



SRC PE Software

SRC XML API Operational Reference

Release

4.6.x



Published: 2013-12-01

Juniper Networks, Inc.
1194 North Mathilda Avenue
Sunnyvale, California 94089
USA
408-745-2000
www.juniper.net

Copyright © 2013, Juniper Networks, Inc. All rights reserved.

Juniper Networks, Junos, Steel-Belted Radius, NetScreen, and ScreenOS are registered trademarks of Juniper Networks, Inc. in the United States and other countries. The Juniper Networks Logo, the Junos logo, and JunosE are trademarks of Juniper Networks, Inc. All other trademarks, service marks, registered trademarks, or registered service marks are the property of their respective owners.

Juniper Networks assumes no responsibility for any inaccuracies in this document. Juniper Networks reserves the right to change, modify, transfer, or otherwise revise this publication without notice.

SRC PE Software SRC XML API Operational Reference

Release 4.6.x

Copyright © 2013, Juniper Networks, Inc.

All rights reserved.

Revision History

December 2013—Revision 1

The information in this document is current as of the date on the title page.

YEAR 2000 NOTICE

Juniper Networks hardware and software products are Year 2000 compliant. Junos OS has no known time-related limitations through the year 2038. However, the NTP application is known to have some difficulty in the year 2036.

SOFTWARE LICENSE

The terms and conditions for using this software are described in the software license contained in the acknowledgment to your purchase order or, to the extent applicable, to any reseller agreement or end-user purchase agreement executed between you and Juniper Networks. By using this software, you indicate that you understand and agree to be bound by those terms and conditions.

Generally speaking, the software license restricts the manner in which you are permitted to use the software and may contain prohibitions against certain uses. The software license may state conditions under which the license is automatically terminated. You should consult the license for further details.

For complete product documentation, please see the Juniper Networks Web site at www.juniper.net/techpubs.

END USER LICENSE AGREEMENT

The Juniper Networks product that is the subject of this technical documentation consists of (or is intended for use with) Juniper Networks software. Use of such software is subject to the terms and conditions of the End User License Agreement ("EULA") posted at <http://www.juniper.net/support/eula.html>. By downloading, installing or using such software, you agree to the terms and conditions of that EULA.

About the Documentation

- SRC Documentation and Release Notes on page iii
- Audience on page iii
- Documentation Conventions on page iii
- Documentation Feedback on page v
- Requesting Technical Support on page v

SRC Documentation and Release Notes

For a list of related SRC documentation, see <http://www.juniper.net/techpubs/>.

If the information in the latest *SRC Release Notes* differs from the information in the SRC guides, follow the *SRC Release Notes*.

Audience

This documentation is intended for experienced system and network specialists working with routers running Junos OS and JunosE software in an Internet access environment. We assume that readers know how to use the routers, directories, and RADIUS servers that they will deploy in their SRC networks. If you are using the SRC software in a cable network environment, we assume that you are familiar with the PacketCable Multimedia Specification (PCMM) as defined by Cable Television Laboratories, Inc. (CableLabs) and with the Data-over-Cable Service Interface Specifications (DOCSIS) 1.1 protocol. We also assume that you are familiar with operating a multiple service operator (MSO) multimedia-managed IP network.

Documentation Conventions

[Table 1 on page iv](#) defines the notice icons used in this guide. [Table 2 on page iv](#) defines text conventions used throughout this documentation.

Table 1: Notice Icons

Icon	Meaning	Description
	Informational note	Indicates important features or instructions.
	Caution	Indicates a situation that might result in loss of data or hardware damage.
	Warning	Alerts you to the risk of personal injury or death.
	Laser warning	Alerts you to the risk of personal injury from a laser.

Table 2: Text Conventions

Convention	Description	Examples
Bold text like this	<ul style="list-style-type: none"> Represents keywords, scripts, and tools in text. Represents a GUI element that the user selects, clicks, checks, or clears. 	<ul style="list-style-type: none"> Specify the keyword exp-msg. Run the install.sh script. Use the pkgadd tool. To cancel the configuration, click Cancel.
Bold text like this	Represents text that the user must type.	user@host# set cache-entry-age cache-entry-age
Fixed-width text like this	Represents information as displayed on your terminal's screen, such as CLI commands in output displays.	<pre>nic-locators { login { resolution { resolver-name /realms/ login/A1; key-type LoginName; value-type SaeId; } } }</pre>
Regular sans serif typeface	<ul style="list-style-type: none"> Represents configuration statements. Indicates SRC CLI commands and options in text. Represents examples in procedures. Represents URLs. 	<ul style="list-style-type: none"> system ldap server{ stand-alone; Use the request sae modify device failover command with the force option user@host# ... http://www.juniper.net/techpubs/software/management/src/api-index.html
<i>Italic sans serif typeface</i>	Represents variables in SRC CLI commands.	user@host# set local-address local-address
Angle brackets	In text descriptions, indicate optional keywords or variables.	Another runtime variable is <gfwif>.
Key name	Indicates the name of a key on the keyboard.	Press Enter.

Table 2: Text Conventions (*continued*)

Key names linked with a plus sign (+)	Indicates that you must press two or more keys simultaneously.	Press Ctrl + b.
<i>Italic typeface</i>	<ul style="list-style-type: none"> Emphasizes words. Identifies book names. Identifies distinguished names. Identifies files, directories, and paths in text but not in command examples. 	<ul style="list-style-type: none"> There are two levels of access: <i>user</i> and <i>privileged</i>. <i>SRC PE Getting Started Guide</i> <i>o=Users, o=UMC</i> The <i>/etc/default.properties</i> file.
Backslash	At the end of a line, indicates that the text wraps to the next line.	Plugin.radiusAcct-1.class=\net.juniper.smgmt.sae.plugin\RadiusTrackingPluginEvent
Words separated by the symbol	Represent a choice to select one keyword or variable to the left or right of this symbol. (The keyword or variable may be either optional or required.)	diagnostic line

Documentation Feedback

We encourage you to provide feedback, comments, and suggestions so that we can improve the documentation. You can send your comments to techpubs-comments@juniper.net, or fill out the documentation feedback form at <https://www.juniper.net/cgi-bin/docbugreport/>. If you are using e-mail, be sure to include the following information with your comments:

- Document or topic name
- URL or page number
- Software release version (if applicable)

Requesting Technical Support

Technical product support is available through the Juniper Networks Technical Assistance Center (JTAC). If you are a customer with an active J-Care or JNASC support contract, or are covered under warranty, and need post-sales technical support, you can access our tools and resources online or open a case with JTAC.

- JTAC policies—For a complete understanding of our JTAC procedures and policies, review the *JTAC User Guide* located at <http://www.juniper.net/us/en/local/pdf/resource-guides/7100059-en.pdf>.
- Product warranties—For product warranty information, visit <http://www.juniper.net/support/warranty/>.
- JTAC hours of operation—The JTAC centers have resources available 24 hours a day, 7 days a week, 365 days a year.

Self-Help Online Tools and Resources

For quick and easy problem resolution, Juniper Networks has designed an online self-service portal called the Customer Support Center (CSC) that provides you with the following features:

- Find CSC offerings: <http://www.juniper.net/customers/support/>
- Search for known bugs: <http://www2.juniper.net/kb/>
- Find product documentation: <http://www.juniper.net/techpubs/>
- Find solutions and answer questions using our Knowledge Base: <http://kb.juniper.net/>
- Download the latest versions of software and review release notes: <http://www.juniper.net/customers/csc/software/>
- Search technical bulletins for relevant hardware and software notifications: <https://www.juniper.net/alerts/>
- Join and participate in the Juniper Networks Community Forum: <http://www.juniper.net/company/communities/>
- Open a case online in the CSC Case Management tool: <http://www.juniper.net/cm/>

To verify service entitlement by product serial number, use our Serial Number Entitlement (SNE) Tool: <https://tools.juniper.net/SerialNumberEntitlementSearch/>

Opening a Case with JTAC

You can open a case with JTAC on the Web or by telephone.

- Use the Case Management tool in the CSC at <http://www.juniper.net/cm/>.
- Call 1-888-314-JTAC (1-888-314-5822 toll-free in the USA, Canada, and Mexico).

For international or direct-dial options in countries without toll-free numbers, see <http://www.juniper.net/support/requesting-support.html>.

Summary of SRC XML API Operational Tag Elements

This document lists the SRC Extensible Markup Language (XML) API tag elements that are equivalent to operational commands in the SRC command-line interface (SRC CLI). A client of the NETCONF server uses the tag elements to request operational information. For information about the notation used in this document, see Table 2 on page viii. For information about the tag elements that client applications use to request, change, and commit configuration information, see the *SRC PE NETCONF API Guide*.

Tag elements are listed in alphabetical order for the following components:

- CLI and System
- Juniper Networks Database
- SAE
- Network Information Collector (NIC)
- Session State Registrar (SSR)
- Subscriber Information Collector (SIC)
- SRC Admission Control Plug-In (SRC ACP)
- Redirect Server
- External Subscriber Monitor
- Dynamic Service Activator
- Sessions Database
- IP Multimedia Subsystem (IMS)
- Diameter Application
- SRC License Management
- COS Naming Service
- Juniper Policy Server (JPS)
- Application Server
- Volume Tracking Application (VTA)

CLI and System Operational Tag Elements

[Table 3](#) lists the SRC CLI operational mode commands that have corresponding SRC XML request tag elements in the current version of the SRC software, and maps each command to its request tag element. CLI configuration commands and statements are listed in alphabetical order.

For a list of mappings organized alphabetically by request tag element name, see [Table 4](#). For more information about CLI commands, see the *SRC PE CLI Command Reference*.

For a list of response tag elements, see [Table 5](#).

Table 3: Mapping of CLI Commands to Operational Tag Elements

CLI Command	Request Tag Element
show component	get-component-all
show cli level	get-level
	get-lifecycles
	get-node-information
show system information	get-system-info
request system halt	request-halt
request system reboot	request-reboot
request system restore	request-restore
request system snapshot	request-snapshot
set cli level	set-level
clear security certificate	clear-security-certificate
clear security certificate request	clear-security-certificate-request
clear security ssh	clear-security-ssh
disable	disable
enable	enable
file compare	file-compare
file create	file-create
file list	file-list
file show	file-show
request disk disable	request-disk-disable
request disk enable	request-disk-enable
request disk identify	request-disk-identify

request disk initialize	request-disk-initialize
request network discovery	request-network-discovery
request security enroll	request-security-enroll
request security generate certificate request	request-security-generate-certificate-request
request security get ca certificate	request-security-get-ca-certificate
request security import certificate	request-security-import-certificate
request support information	request-support-information
request system generate ssh key	request-system-generate-ssh-key
request system install	request-system-install
request system prepare partitions	request-system-prepare-partitions
request system remove ssh key	request-system-remove-ssh-key
request system uninstall	request-system-uninstall
request system upgrade	request-system-upgrade
restart	restart
set date	set-date
set date ntp	set-date-ntp
show cli	get-cli
show cli authorization	get-cli-authorization
show date	get-date
show disk status	get-disk-status
show interfaces	get-interfaces
show iptables	get-iptables
show ntp associations	get-ntp-associations
show ntp statistics	get-ntp-statistics
show ntp status	get-ntp-status
show route	get-route
show security certificate	get-security-certificate
show system boot messages	get-system-boot-messages
show system generated keys	get-system-generated-keys
show system snapshot	get-system-snapshot
show system users	get-system-users

[Table 4](#) maps SRC XML operational request tag elements to SRC CLI commands. Tag elements are listed in alphabetical order.

Table 4: Mapping of CLI Operational Tag Elements to CLI Commands

Request Tag Element	CLI Command
clear-security-certificate	clear security certificate
clear-security-certificate-request	clear security certificate request
clear-security-ssh	clear security ssh
disable	disable
enable	enable
file-compare	file compare
file-create	file create
file-list	file list
file-show	file show
get-cli	show cli
get-cli-authorization	show cli authorization
get-completions	
get-component-all	show component
get-date	show date
get-disk-status	show disk status
get-interfaces	show interfaces
get-iptables	show iptables
get-level	show cli level
get-lifecycles	
get-node-information	
get-ntp-associations	show ntp associations
get-ntp-statistics	show ntp statistics
get-ntp-status	show ntp status
get-route	show route
get-security-certificate	show security certificate
get-system-boot-messages	show system boot messages
get-system-generated-keys	show system generated keys

get-system-info	show system information
get-system-snapshot	show system snapshot
get-system-users	show system users
request-disk-disable	request disk disable
request-disk-enable	request disk enable
request-disk-identify	request disk identify
request-disk-initialize	request disk initialize
request-halt	request system halt
request-network-discovery	request network discovery
request-reboot	request system reboot
request-restore	request system restore
request-security-enroll	request security enroll
request-security-generate-certificate-request	request security generate certificate request
request-security-get-ca-certificate	request security get ca certificate
request-security-import-certificate	request security import certificate
request-snapshot	request system snapshot
request-support-information	request support information
request-system-generate-ssh-key	request system generate ssh key
request-system-install	request system install
request-system-prepare-partitions	request system prepare partitions
request-system-remove-ssh-key	request system remove ssh key
request-system-uninstall	request system uninstall
request-system-upgrade	request system upgrade
restart	restart
set-date	set date
set-date-ntp	set date ntp
set-level	set cli level

[Table 5](#) lists the SRC XML operational response tag elements. Tag elements are listed in alphabetical order.

Table 5: Operational Response Tag Elements

Response Tag Element

sdx-component
sdx-component-list

<clear-security-certificate>

Usage

```
<rpc>  
  <clear-security-certificate>  
    <identifier> identifier </identifier>  
  </clear-security-certificate>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Delete a digital certificate from the system.

Contents

<identifier>— (Optional) Name of a local digital certificate.

Value— *Certificate name*

Required Privilege Level

security

<clear-security-certificate-request>

Usage

```
<rpc>
  <clear-security-certificate-request>
    <file-name> file-name </file-name>
  </clear-security-certificate-request>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Delete a certificate request on the system.

Contents

<file-name>— (Optional) Name of certificate signing request file. This file is stored in the /tmp directory and has the file-extension .csr.

Value— *filename*

Default—certreq

Required Privilege Level

security

<clear-security-ssh>

Usage

```
<rpc>  
  <clear-security-ssh>  
    <known-host> known-host </known-host>  
  </clear-security-ssh>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Clear (delete) cached SSH data.

Contents

<known-host>— Name of known host to remove

Value— Hostname

Required Privilege Level

security

<disable>

Usage

```
<rpc>  
  <disable>  
    <component> component </component>  
  </disable>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Stop an SRC component that is running on the system.

Contents

<component>— Name of SRC component to stop.

To see a list of installed components, use the `show component` command.

Value— Component name

Required Privilege Level

reset

<enable>

Usage

```
<rpc>  
  <enable>  
    <component> component </component>  
  </enable>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Start a specified SRC component that is installed on the system.

Contents

<component>— Name of SRC component to start.

Value— Component name

Required Privilege Level

reset

<file-compare>

Usage

```
<rpc>
  <file-compare>
    <style> style-choice </style>
    <ignore-white-space/>
    <from-file> from-file </from-file>
    <to-file> to-file </to-file>
  </file-compare>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Compare files on a C Series Controller.

Contents

<style>— (Optional) Format for displaying differences between files.

Value

- context— Output shows the context for differences between the files. It shows which line was changed in one line listing, then the change for the line in a second line listing.
- unified— Output shows the differences between files in a unified format. A single listing of line numbers shows the line on which a change occurred, then the changed text.

<ignore-white-space>— (Optional) Differences in amount of white space ignored.

<from-file>—File to compare

Value— Filename

<to-file>—File to compare

Value— Filename

Required Privilege Level

maintenance

<file-create>

Usage

```
<rpc>
  <file-create>
    <filename> filename </filename>
    <encoding> encoding-choice </encoding>
    <content> content </content>
  </file-create>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Create a file with the provided content.

Contents

<filename>— The filename must be created in an existing directory that is writable by the logged in user. If the name of an existing file is selected, the existing file will be overwritten.

Value—Text

<encoding>— (Optional) Type of content encoding.

Value

- **base64**— Content is base64 encoded and will be decoded before content is written to file.

<content>— When using the CLI, the content can be provided in a "here-document" using "<<EOF". The here-document ends when *EOF* is entered on a line by itself. *EOF* is an arbitrary string.

Value—Text

Required Privilege Level

maintenance

<file-list>

Usage

```
<rpc>
  <file-list>
    <recursive/>
    <detail/>
    <path> path </path>
  </file-list>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

List files in a directory on a C Series Controller.

Contents

<recursive>— (Optional) Create recursive listing of files.

<detail>— (Optional) Provide information about the files in a listing of files, such as modification date and file size.

<path>— (Optional) Path to the directory in which you list files.

Value— Pathname

Required Privilege Level

maintenance

<file-show>

Usage

```
<rpc>
  <file-show>
    <encoding> encoding-choice </encoding>
    <filename> filename </filename>
  </file-show>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display content of a file.

Contents

<encoding>— (Optional) Type of file encoding.

Value

- base64— File has base64 encoding.

<filename>— Name of file for which to display content.

Value— Filename

Required Privilege Level

maintenance

<get-cli>

Usage

```
<rpc>  
  <get-cli>  
  </get-cli>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display properties that have been set to control the CLI environment.

Required Privilege Level

No specific privilege required.

<get-cli-authorization>

Usage

```
<rpc>  
  <get-cli-authorization>  
  </get-cli-authorization>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Identify the user logged in to the CLI session, and display the user's privilege level, the user's permissions to run specified operational and configuration commands, and the user's authorization to run commands.

Required Privilege Level

No specific privilege required.

<get-completions>

Usage

```
<rpc>
  <get-completions>
    <path> path </path>
    <prefix> prefix </prefix>
  </get-completions>
</rpc>
```

Release Information

Command introduced in SRC Release 2.0.0

Description

Returns completions for arguments of an operational command or attributes and children of a configuration object.

Contents

<path>— Start with configuration to access a configuration node or operation to access a command node.

Value—Text

<prefix>— (Optional) When a prefix is defined, only the completion options that start with the specified prefix should be retrieved.

Value—Text

Required Privilege Level

No specific privilege required.

<get-component-all>

Usage

```
<rpc>  
  <get-component-all>  
  </get-component-all>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display information and status for SRC components installed.

Required Privilege Level

maintenance

Output Tag

[sdx-component-list](#)

<get-date>

Usage

```
<rpc>  
  <get-date>  
  </get-date>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display the time and date set on the system.

Required Privilege Level

No specific privilege required.

<get-disk-status>

Usage

```
<rpc>  
  <get-disk-status>  
    <brief/>  
  </get-disk-status>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display status information.

Contents

<brief>— (Optional) Display summary information.

Required Privilege Level

view

<get-interfaces>

Usage

```
<rpc>  
  <get-interfaces>  
    <interface-name> interface-name </interface-name>  
  </get-interfaces>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display information about interfaces configured on a C Series Controller, including but not limited to interface address, information about packets sent, and information about packets received.

Contents

<interface-name>— (Optional) Name of an interface

Value— Interface name; for example eth0. If you do not specify an interface name, the command displays information for all interfaces.

Default— No value

Required Privilege Level

network

<get-iptables>

Usage

```
<rpc>
  <get-iptables>
    <table> table-choice </table>
    <reset-counters/>
  </get-iptables>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display information about the iptables Linux tool.

Contents

`<table>`— (Optional) Type of information to display.

Value

- `nat`— Display information for the nat table for the iptables tool. The nat table provides rules for rewriting packet addresses.
- `filter`— Display information for the filter table for the iptables tool. The filter table provides rules for defining packet filters.
- `mangle`— Display information for the mangle table for the iptables tool. The mangle table provides rules for adjusting packet options, such as quality of service.

`<reset-counters>`— (Optional) Reset counters of the items in output.

Required Privilege Level

view

<get-level>

Usage

```
<rpc>  
  <get-level>  
  </get-level>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display the current access level.

Required Privilege Level

No specific privilege required.

<get-lifecycles>

Usage

```
<rpc>  
  <get-lifecycles>  
    <paths> paths </paths>  
  </get-lifecycles>  
</rpc>
```

Release Information

Command introduced in SRC Release 2.0.0

Description

Returns error messages from beforeCreate and beforeDelete lifecycle methods for the specified configuration nodes and all of their attributes.

Contents

<paths>— Paths to the nodes whose lifecycle methods should be invoked.

Value—Text

Required Privilege Level

No specific privilege required.

<get-node-information>

Usage

```
<rpc>
  <get-node-information>
    <path> path </path>
    <object-info> object-info </object-info>
    <embedded-object-info> embedded-object-info </embedded-object-info>
    <dynamic-info> dynamic-info </dynamic-info>
    <children-level> children-level </children-level>
  </get-node-information>
</rpc>
```

Release Information

Command introduced in SRC Release 2.0.0

Description

Returns meta information about a specific node.

Contents

<path>— Start with configuration to access a configuration node or operation to access a command node.

Value—Text

<object-info>— (Optional) Provide a comma separated list of strings. Provide no value or use '*' for all and '[]' for none.

Value—Text

Default—*

<embedded-object-info>— (Optional) Provide a comma separated list of strings. Provide no value or use '*' for all and '[]' for none.

Value—Text

Default—*

<dynamic-info>— (Optional) Dynamic attributes are accessed by calling a getter method on the meta object representing the node. For example, if 'compName' is requested, the method getCompName() will be called on the meta object. If no method exists or the method doesn't return a value, the information will not be included.

Value—Text

`<children-level>`— (Optional) Use 0 for no children; a large number for all desendents

Value—Integer in the range -2147483648–2147483647

Default—0

Required Privilege Level

No specific privilege required.

<get-ntp-associations>

Usage

```
<rpc>  
  <get-ntp-associations>  
    <no-resolve/>  
  </get-ntp-associations>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display NTP peers and their state.

Contents

<no-resolve>— (Optional) Suppress symbolic addressing.

Required Privilege Level

view

<get-ntp-statistics>

Usage

```
<rpc>  
  <get-ntp-statistics>  
    <no-resolve/>  
  </get-ntp-statistics>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display information about NTP.

Contents

`<no-resolve>`— (Optional) Suppress symbolic addressing.

Required Privilege Level

view

<get-ntp-status>

Usage

```
<rpc>  
  <get-ntp-status>  
    <no-resolve/>  
  </get-ntp-status>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display the values of internal variables returned by NTP peers.

Contents

<no-resolve>— (Optional) Suppress symbolic addressing.

Required Privilege Level

view

<get-route>

Usage

```
<rpc>  
  <get-route>  
    <no-resolve/>  
    <detail/>  
  </get-route>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display information from the routing table.

Contents

<no-resolve>— (Optional) Do not display symbolic addresses in command output.

<detail>— (Optional) Display detailed output.

Required Privilege Level

network

<get-security-certificate>

Usage

```
<rpc>  
  <get-security-certificate>  
    <trusted/>  
  </get-security-certificate>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display information about the certificates stored on the local system.

Contents

<trusted>— (Optional) Display information about certificate authority (CA) certificates.

Required Privilege Level

security

<get-system-boot-messages>

Usage

```
<rpc>  
  <get-system-boot-messages>  
  </get-system-boot-messages>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display system messages generated during system startup.

Required Privilege Level

view

<get-system-generated-keys>

Usage

```
<rpc>  
  <get-system-generated-keys>  
    <ssh-key-name> ssh-key-name </ssh-key-name>  
  </get-system-generated-keys>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Show CLI generated key information

Contents

<ssh-key-name>— SSH key file name

Value—Text

Required Privilege Level

view

<get-system-info>

Usage

```
<rpc>  
  <get-system-info>  
  </get-system-info>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display information about the system. The command output includes the system hostname, information about the system hardware, the version of the SRC software installed on the system.

Required Privilege Level

No specific privilege required.

Output Tag

[system-info](#)

<get-system-snapshot>

Usage

```
<rpc>  
  <get-system-snapshot>  
  </get-system-snapshot>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Show information of existing system snapshot

Required Privilege Level

view

<get-system-users>

Usage

```
<rpc>  
  <get-system-users>  
    <brief/>  
    <no-from/>  
  </get-system-users>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Show users who are currently logged in

Contents

<brief>— (Optional) Use the short format

<no-from>— (Optional) Do not show the FROM field

Required Privilege Level

view

<request-disk-disable>

Usage

```
<rpc>  
  <request-disk-disable>  
    <device> device </device>  
  </request-disk-disable>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Disable a specified disk in the disk mount.

Contents

<device>— (Optional) Number assigned to the disk to be disabled, 0 or 1.

Value—Integer in the range 0–3

Default—0

Required Privilege Level

maintenance

<request-disk-enable>

Usage

```
<rpc>  
  <request-disk-enable>  
    <device> device </device>  
  </request-disk-enable>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Enable a specified disk in the disk mount.

Contents

<device>— (Optional) Number assigned to the disk to be enabled, 0 or 1.

Value—Integer in the range 0–3

Default—0

Required Privilege Level

maintenance

<request-disk-identify>

Usage

```
<rpc>  
  <request-disk-identify>  
    <device> device </device>  
  </request-disk-identify>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Turn on LED blinking for a specified disk on a C Series Controller to identify which disk is disk 0 and which is disk 1.

Contents

<device>— (Optional) Number assigned to a disk, 0 or 1.

Value—Integer in the range 0–3
Default—0

Required Privilege Level

maintenance

<request-disk-initialize>

Usage

```
<rpc>  
  <request-disk-initialize>  
    <device> device </device>  
  </request-disk-initialize>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Initialize a specified disk in the disk mount.

Contents

<device>— (Optional) Number assigned to the disk to be initialized, 0 or 1.

Value—Integer in the range 0–3

Default—0

Required Privilege Level

maintenance

<request-halt>

Usage

```
<rpc>  
  <request-halt>  
  </request-halt>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Stop system processes and halt the operating system.

Required Privilege Level

maintenance

<request-network-discovery>

Usage

```
<rpc>
  <request-network-discovery>
    <network> network </network>
    <community> community </community>
  </request-network-discovery>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Discover all manageable network elements in an IP subnet. The devices must be online and respond to SNMP queries.

Contents

<network>— Address of the network to discover

Value— Address in dotted decimal notation

- Individual host—#. #. #. #
- Complete network—#. #. #. #/##

<community>— (Optional) Name of SNMP community

Value— SNMP community name

Default—public

Required Privilege Level

network

<request-reboot>

Usage

```
<rpc>  
  <request-reboot>  
  </request-reboot>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Shut down then restart the C Series Controller.

Required Privilege Level

maintenance

<request-restore>

Usage

```
<rpc>  
  <request-restore>  
  </request-restore>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Restore the root file system from a previously taken snapshot.

Note: The system will reboot twice while the snapshot is being restored.

Required Privilege Level

maintenance

<request-security-enroll>

Usage

```
<rpc>
  <request-security-enroll>
    <subject> subject </subject>
    <password> password </password>
    <url> url </url>
    <ca-identifier> ca-identifier </ca-identifier>
    <identifier> identifier </identifier>
  </request-security-enroll>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Request that the certificate authority (CA) automatically sign the certificate request for the specified subject and challenge password and enroll the certificate through the Simple Certificate Enrollment Protocol (SCEP). Use the `request security get-ca-certificate` command to generate the certificate request.

Contents

<subject>— (Optional) Name (as defined in the X.509 standard for public key infrastructure) used in the certificate name field. If you do not specify a value for `subject`, the SRC software uses the unqualified hostname of the system in the format `cn=hostname`. You can specify one subject for a certificate.

Value— Distinguished name in the format: `cn=name`.

Example—`cn=src1,ou=pop,o=Juniper,l=kanata,st=ontario,c=Canada`

<password>— (Optional) Password on the CA for the specified subject. If you do not enter a password, the system prompts you for one.

Value— `password`

<url>— URL of certificate authority (which is the SCEP server).

Value— `URL`

`<ca-identifier>`— Identifier that designates the certificate authority. Use the value provided by the CA.

Value— *CA identifier*

`<identifier>`— Local name of a digital certificate.

Value— *Certificate name*

Required Privilege Level

security

<request-security-generate-certificate-request>

Usage

```
<rpc>
  <request-security-generate-certificate-request>
    <subject> subject </subject>
    <password> password </password>
    <file-name> file-name </file-name>
    <encoding> encoding-choice </encoding>
  </request-security-generate-certificate-request>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Create a self-signed certificate and a certificate signing request. You send the certificate signing request file to a certificate authority (CA) for signing. Use the `request security import-certificate` command to import the issued certificate.

Contents

<subject>— (Optional) Name (as defined in the X.509 standard for public key infrastructure) used in the certificate name field. If you do not specify a value for `subject`, the SRC software uses the unqualified hostname of the system in the format `cn=hostname`. You can specify one subject for a certificate.

Value— Distinguished name in the format: `cn=name`.

Example—`cn=src1,ou=pop,o=Juniper,l=kanata,st=ontario,c=Canada`

<password>— (Optional) Password on the CA for the specified subject. If you do not enter a password, the system prompts you for one.

Value— `password`

<file-name>— (Optional) Name of certificate signing request file. This file is stored in the `/tmp` directory with the file-extension `.csr`.

Value— `filename`

Default—`certreq`

<encoding>— (Optional) Type of encoding used by the certificate signing request.

Value

- `binary`— Binary encoding
- `pem`— Privacy enhanced mail encoding

Default—`pem`

Required Privilege Level

security

<request-security-get-ca-certificate>

Usage

```
<rpc>
  <request-security-get-ca-certificate>
    <url> url </url>
    <ca-identifier> ca-identifier </ca-identifier>
  </request-security-get-ca-certificate>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Request a certificate authority (CA) certificate through the Simple Certificate Enrollment Protocol (SCEP). After you request the certificate, use the `request security enroll` command to request digital certificates from this CA.

Contents

`<url>`— URL of certificate authority (which is the SCEP server).

Value— *URL*

`<ca-identifier>`— Identifier that designates the certificate authority. The identifier is not the name of the certificate authority.

Value— *Identifier*

Required Privilege Level

security

<request-security-import-certificate>

Usage

```
<rpc>
  <request-security-import-certificate>
    <file-name> file-name </file-name>
    <identifier> identifier </identifier>
    <trusted/>
  </request-security-import-certificate>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Import a digital certificate from a file. Run the `request security generate-certificate-request` command first to create a certificate signing request that you manually submit to the CA for signing.

Contents

<file-name>— Name of the certificate file.

Value— *filename*

<identifier>— Name of a local digital certificate.

Value— *Certificate name*

<trusted>— (Optional) Trusted certificates are used by Certificate Authorities to sign certificates.

Required Privilege Level

security

<request-snapshot>

Usage

```
<rpc>  
  <request-snapshot>  
  </request-snapshot>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Create a backup copy of the root file system.

After you issue the command, you cannot return to the previous version of the software because the running and backup copies of the software are identical.

Required Privilege Level

maintenance

<request-support-information>

Usage

```
<rpc>
  <request-support-information>
    <days> days </days>
    <components> components-choice </components>
  </request-support-information>
</rpc>
```

Release Information

Command introduced in SRC Release 3.1.0

Description

Collects information about components.

Contents

<days>— (Optional) Range of days for which information is collected. Files modified before this range are ignored.

Value—Integer in the range 1–36500

Default—7

<components>— (Optional) Components from which diagnostic information will be collected.

Value

- **acp**— Collects information from SRC ACP
- **activity**— Collects information from Activity Monitor
- **agent**— Collects information from the SNMP Agent
- **cli**— Collects information from the CLI
- **appsvr**— Collects information from the Application Server
- **diameter**— Collects information from Diameter application
- **dsa**— Collects information from Dynamic Service Activator
- **extsubmon**— Collects information from External Subscriber Monitor
- **ims**— Collects information from IP Multimedia Subsystem (IMS)
- **jdb**— Collects information from Juniper Networks Database
- **jps**— Collects information from Juniper Policy Server (JPS)
- **licSvr**— Collects information from the license server
- **nic**— Collects information from the Network Information Collector (NIC)
- **redir**— Collects information from the Redirect Server
- **sae**— Collects information from the SAE
- **sic**— Collects information from the SIC

- `webadm`— Collects information from the C-Web interface
- `vta`— Collects information from the VTA

Required Privilege Level

`view`

<request-system-generate-ssh-key>

Usage

```
<rpc>  
  <request-system-generate-ssh-key>  
    <ssh-key-name> ssh-key-name </ssh-key-name>  
  </request-system-generate-ssh-key>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Generates a public and private key file in /opt/UMC/cli/ssh_keys/ location

Contents

<ssh-key-name>— SSH key file creation name

Value—Text

Required Privilege Level

maintenance

<request-system-install>

Usage

```
<rpc>
  <request-system-install>
    <url> url </url>
    <package> package </package>
  </request-system-install>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Install a specified SRC component.

Contents

<url>— URL of an SRC installable image. The URL can be one of the following:

- usb:—Local USB disk
- ftp://*host/path*—Path on an FTP site or on the local system

Value— URL

<package>— Name of the SRC package to install.

Value— Package name

Required Privilege Level

maintenance

<request-system-prepare-partitions>

Usage

```
<rpc>  
  <request-system-prepare-partitions>  
  </request-system-prepare-partitions>  
</rpc>
```

Description

If you upgrade the system software to SRC Release 3.2.0 or later from earlier releases, you need to change the size of the disk partitions to make room for additional components and the Juniper Networks database. This command only needs to be run once.

Required Privilege Level

No specific privilege required.

<request-system-remove-ssh-key>

Usage

```
<rpc>
  <request-system-remove-ssh-key>
    <ssh-key-name> ssh-key-name </ssh-key-name>
  </request-system-remove-ssh-key>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Removes public and private key files in /opt/UMC/cli/ssh_keys/ location

Contents

<ssh-key-name>— SSH key file name

Value—Text

Required Privilege Level

maintenance

<request-system-uninstall>

Usage

```
<rpc>  
  <request-system-uninstall>  
    <package> package </package>  
  </request-system-uninstall>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Remove an SRC package that is installed on the system.

Contents

<package>— Name of the SRC package to remove.

Value— Package name

Required Privilege Level

maintenance

<request-system-upgrade>

Usage

```
<rpc>
  <request-system-upgrade>
    <url> url </url>
    <no-reboot/>
  </request-system-upgrade>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Upgrade the SRC software.

Contents

<url>— URL of an SRC installable image. The URL can be one of the following:

- **usb:**—Local USB disk
- **ftp://host/path**—Path on an FTP site or on the local system

Value— URL

<no-reboot>— (Optional) Do not reboot after upgrade

Required Privilege Level

maintenance

<restart>

Usage

```
<rpc>
  <restart>
    <component> component </component>
    <flag> flag-choice </flag>
  </restart>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Restart an SRC component that is running on the system.

Contents

<component>— Name of SRC component to restart.

Value— Name of component

<flag>— (Optional) Method to use to restart component.

Value

- *gracefully*— Shutdown the component, then start it again.
- *immediately*— Send a signal kill (SIGKILL) signal to immediately stop the component, then start it again.
- *soft*— Send a signal hangup (SIGHUP) signal to the process for the component to restart the component.

Default—*gracefully*

Required Privilege Level

reset

<set-date>

Usage

```
<rpc>
  <set-date>
    <time> time </time>
  </set-date>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Set the system date and time.

Contents

<time>— System date and time.

Value— System date and time in the format YYYYMMDDhhmm.ss in which:

- YYYY—Year. Contains 4 digits.
- mm—Month. A number 1–12.
- DD—Day. A number 1–31
- mm—Minute. A number 0–59.
- ss—Second. A number 0–59.

For example, to enter the time 12:15 and 30 seconds on October 30, 2006 enter 200610301215.30.

Required Privilege Level

maintenance

<set-date-ntp>

Usage

```
<rpc>  
  <set-date-ntp>  
    <servers> servers </servers>  
  </set-date-ntp>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Use NTP to set the date and time for the C Series Controller.

Note: For normal operation, we strongly recommended that you configure NTP to maintain local time. For additional information, see the **system ntp** configuration statement.

If NTP is enabled, it is not possible to set the time manually.

Contents

<servers>— List of the IP addresses of NTP servers to use.

Value— IP address(es)

Required Privilege Level

maintenance

<set-level>

Usage

```
<rpc>  
  <set-level>  
    <level> level-choice </level>  
  </set-level>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Set the access level for the CLI commands. The access level controls the number of commands and configuration statements accessible to the user.

Contents

<level>—Editing level

Value

- **basic**— Minimal set of configuration statements and commands. Only the statements that must be configured are visible.
- **normal**— Normal set of configuration statements and commands. The common and basic statements are visible.
- **advanced**— All configuration statements and commands, including the common and basic ones, are visible.
- **expert**— All configuration statements, including common, basic, and internal statements and commands used for debugging are visible.

Required Privilege Level

No specific privilege required.

<sdx-component>

Usage

```
<sdx-component xmlns="http://xml.juniper.net/sdx/sdx-component">
  <name> name </name>
  <status> status </status>
  <version> version </version>
</sdx-component>
```

Contents

<name>

Name of the component

Value—Text

<status>

Runtime status of the component

Value—Text

<version>

Release version of the component

Value—Text

Style

brief

<name>

<status>

<version>

status

<name>

<status>

version

<name>

<version>

<sdx-component-list>

Usage

```
<sdx-component-list xmlns="http://xml.juniper.net/sdx/sdx-component-list">  
  <sdx-component xmlns="http://xml.juniper.net/sdx/sdx-component"> ... </sdx-component>  
</sdx-component-list>
```

Contents

<sdx-component>

Multiple tag: can occur zero or more times.

[sdx-component](#)

Style

brief

<sdx-component>

Juniper Networks Database Operational Tag Elements

[Table 6](#) lists the SRC CLI operational mode commands that have corresponding SRC XML request tag elements in the current version of the SRC software, and maps each command to its request tag element. CLI configuration commands and statements are listed in alphabetical order.

For a list of mappings organized alphabetically by request tag element name, see [Table 7](#). For more information about CLI commands, see the *SRC PE CLI Command Reference*.

For a list of response tag elements, see [Table 8](#).

Table 6: Mapping of Juniper Networks Database CLI Commands to Operational Tag Elements

| CLI Command | Request Tag Element |
|---|---|
| show system ldap community | get-jdb-community-data |
| show system ldap statistics | get-jdb-counter-data |
| request system ldap change admin password | request-system-ldap-change-admin-password |
| request system ldap change component password | request-system-ldap-change-component-password |
| request system ldap community force update | request-system-ldap-community-force-update |
| request system ldap community initialize | request-system-ldap-community-initialize |
| request system ldap factory default | request-system-ldap-factory-default |
| request system ldap load | request-system-ldap-load |

[Table 7](#) maps SRC XML operational request tag elements to SRC CLI commands. Tag elements are listed in alphabetical order.

Table 7: Mapping of Juniper Networks Database Operational Tag Elements to CLI Commands

| Request Tag Element | CLI Command |
|---|---|
| get-jdb-community-data | show system ldap community |
| get-jdb-counter-data | show system ldap statistics |
| request-system-ldap-change-admin-password | request system ldap change admin password |
| request-system-ldap-change-component-password | request system ldap change component password |
| request-system-ldap-community-force-update | request system ldap community force update |
| request-system-ldap-community-initialize | request system ldap community initialize |
| request-system-ldap-factory-default | request system ldap factory default |
| request-system-ldap-load | request system ldap load |

[Table 8](#) lists the SRC XML operational response tag elements. Tag elements are listed in alphabetical order.

Table 8: Operational Response Tag Elements

| Response Tag Element |
|------------------------------------|
| community-data |
| local-counter-data |
| neighbor-data |

<get-jdb-community-data>

Usage

```
<rpc>  
  <get-jdb-community-data>  
  </get-jdb-community-data>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display statistics for a community of Juniper Networks databases.

Required Privilege Level

view

Output Tag

[community-data](#)

<get-jdb-counter-data>

Usage

```
<rpc>  
  <get-jdb-counter-data>  
  </get-jdb-counter-data>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display local operation statistics for the Juniper Networks database.

Required Privilege Level

view

Output Tag

[local-counter-data](#)

<request-system-ldap-change-admin-password>

Usage

```
<rpc>  
  <request-system-ldap-change-admin-password>  
    <new-password> new-password </new-password>  
  </request-system-ldap-change-admin-password>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Change the administrative password for the Juniper Networks database.

Contents

<new-password>— New administrative password for the Juniper Networks database.

Value— *password*

Required Privilege Level

maintenance

<request-system-ldap-change-component-password>

Usage

```
<rpc>
  <request-system-ldap-change-component-password>
    <component> component-choice </component>
    <new-password> new-password </new-password>
  </request-system-ldap-change-component-password>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Change the password that a specified SRC component uses to communicate with the Juniper Networks database.

Contents

<component>— Name of an SRC component.

Value

- `cli`— Password that the SRC CLI uses to communicate with the Juniper Networks database.
- `licenseReader`— Password that the SRC license server uses to obtain licensing information from the Juniper Networks database.
- `licenseWriter`— Password that the SRC license server uses to provide licensing information to the Juniper Networks database.
- `nic`— Password that the Network Information Collector (NIC) uses to communicate with the Juniper Networks database.
- `sae`— Password that the SAE uses to communicate with the Juniper Networks database for changes to the following repositories in the database: Users, Services, Policies, and Networks.
- `conf`— Password used to communicate configuration information with the Juniper Networks database.

<new-password>— New password SRC component

Value— *password*

Required Privilege Level

maintenance

<request-system-ldap-community-force-update>

Usage

```
<rpc>
  <request-system-ldap-community-force-update>
    <neighbor> neighbor </neighbor>
  </request-system-ldap-community-force-update>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

For a specified neighbor, update data that has changed since the neighbor database was last active.

Contents

<neighbor>— Name of neighbor to be updated.

Value— Neighbor name

Required Privilege Level

maintenance

<request-system-ldap-community-initialize>

Usage

```
<rpc>  
  <request-system-ldap-community-initialize>  
    <neighbor> neighbor </neighbor>  
  </request-system-ldap-community-initialize>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Initialize data for a specified neighbor in a community of Juniper Networks databases.

Contents

<neighbor>— Name of the neighbor to initialize.

Value— Neighbor name

Required Privilege Level

maintenance

<request-system-ldap-factory-default>

Usage

```
<rpc>  
  <request-system-ldap-factory-default>  
  </request-system-ldap-factory-default>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Creates the factory-default SRC instance for the Juniper Networks database. The current data will be lost!

Required Privilege Level

maintenance

<request-system-ldap-load>

Usage

```
<rpc>
  <request-system-ldap-load>
    <data> data-choice </data>
    <replace-flag> replace-flag-choice </replace-flag>
  </request-system-ldap-load>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Load sample data supplied with the SRC software.

Contents

<data>— Type of data to be loaded.

Value

- `equipment-registration`— Sample data for the sample residential portal to demonstrate an application that provides an association between a subscriber and the equipment being used to make the DHCP connection.
- `isp-service-portal`— Sample data for the sample residential portal to demonstrate an application that provides a means for subscribers to directly log in to a subscriber session for their ISP.
- `enterprise-portal`— Sample data for the Enterprise Manager Portal and the sample enterprise service portal.
- `snmp-agent`— Sample data for SNMP traps for SNMP agent.
- `dsa-configuration`— Sample data for the Dynamic Service Activator.
- `hostchecker-configuration`— Sample data Instant Virtual Extremity (IVE) Host Checker integration application.
- `idp-configuration`— Sample data for the Intrusion Detection and Prevention (IDP) integration application.
- `tm-configuration`— Sample data for the traffic mirroring application.
- `vta-configuration`— Sample data for the SRC Volume Tracking Application.
- `3gpp-gw-configuration`— Sample data for the SRC 3GPP-GW Application.

<replace-flag>— (Optional) Replace all existing entries or only new entries. If it is first

time to load one specific ldap sample data, the choice of replace or merge would make no difference.

Value

- `replace`— Replace all existing entries or adding new entries from a given ldif file
- `merge`— Replace only deleted entries or adding new entries from a given ldif file

Default— `merge`

Required Privilege Level

`maintenance`

<community-data>

Usage

```
<community-data xmlns="http://xml.juniper.net/sdx/community-data">  
  <neighbor-data xmlns="http://xml.juniper.net/sdx/neighbor-data"> ... </neighbor-data>  
</community-data>
```

Contents

<neighbor-data>

Multiple tag: can occur zero or more times.

[neighbor-data](#)

<local-counter-data>

Usage

```
<local-counter-data xmlns="http://xml.juniper.net/sdx/local-counter-data">
  <add-operations> add-operations </add-operations>
  <anonymous-bind-operations> anonymous-bind-operations </anonymous-bind-operations>
  <bind-errors> bind-errors </bind-errors>
  <bind-operations> bind-operations </bind-operations>
  <compare-operations> compare-operations </compare-operations>
  <connections> connections </connections>
  <current-connections> current-connections </current-connections>
  <delete-operations> delete-operations </delete-operations>
  <list-operations> list-operations </list-operations>
  <modify-operations> modify-operations </modify-operations>
  <read-operations> read-operations </read-operations>
  <rename-operations> rename-operations </rename-operations>
  <subtree-search-operations> subtree-search-operations </subtree-search-operations>
  <up-time> up-time </up-time>
</local-counter-data>
```

Contents

<add-operations> —Number of Add operations since startup

Value—Integer in the range -2147483648–2147483647

<anonymous-bind-operations> —Number of Anonymous Bind operations since startup

Value—Integer in the range -2147483648–2147483647

<bind-errors> —Number of bind errors since startup

Value—Integer in the range -2147483648–2147483647

<bind-operations> —Number of Bind operations

Value—Integer in the range -2147483648–2147483647

<compare-operations> —Number of Compare operations since startup

Value—Integer in the range -2147483648–2147483647

<connections> —Number of all connections since startup

Value—Integer in the range -2147483648–2147483647

<current-connections> —Number of current connections

Value—Integer in the range -2147483648–2147483647

<delete-operations> —Number of Delete operations since startup

Value—Integer in the range -2147483648–2147483647

<list-operations> —Number of List operations since startup

Value—Integer in the range -2147483648–2147483647

<modify-operations> —Number of Modify operations since startup

Value—Integer in the range -2147483648–2147483647

<read-operations> —Number of Read operations since startup

Value—Integer in the range -2147483648–2147483647

<rename-operations> —Number of Rename operations since startup

Value—Integer in the range -2147483648–2147483647

<subtree-search-operations> —Number of Subtree Search operations since startup

Value—Integer in the range -2147483648–2147483647

<up-time> —JDB up time

Value—Text

<neighbor-data>

Usage

```
<neighbor-data xmlns="http://xml.juniper.net/sdx/neighbor-data">
  <changes-sent-since-last-startup> changes-sent-since-last-startup </changes-sent-since-last-startup>
  <last-update-detailed-status> last-update-detailed-status </last-update-detailed-status>
  <last-update-end-time> last-update-end-time </last-update-end-time>
  <last-update-start-time> last-update-start-time </last-update-start-time>
  <last-update-status> last-update-status </last-update-status>
  <name> name </name>
  <role> role </role>
</neighbor-data>
```

Contents

<changes-sent-since-last-startup> —Changes since last startup

Value—Integer in the range -2147483648–2147483647

<last-update-detailed-status> —Detailed status of last update

Value—Text

<last-update-end-time> —End time of last update

Value—Text

<last-update-start-time> —Start time of last update

Value—Text

<last-update-status> —Status of last update

Value—Text

<name> —Community neighbor

Value—Text

<role> —Role of neighbor

Value—Text

Service Activation Engine (SAE) Operational Tag Elements

[Table 9](#) lists the SRC CLI operational mode commands that have corresponding SRC XML request tag elements in the current version of the SRC software, and maps each command to its request tag element. CLI configuration commands and statements are listed in alphabetical order.

For a list of mappings organized alphabetically by request tag element name, see [Table 10](#). For more information about CLI commands, see the *SRC PE CLI Command Reference*.

For a list of response tag elements, see [Table 11](#).

Table 9: Mapping of Service Activation Engine CLI Commands to Operational Tag Elements

| CLI Command | Request Tag Element |
|--|---|
| show sae statistics diretory | get-sae-statistics-diretory |
| show sae statistics device | get-sae-statistics-router |
| show sae statistics device common | get-sae-statistics-router-common |
| show sae statistics subscribers accounting user-id | get-sae-statistics-subscribers-accounting-user-id |
| show sae subscribers dn | get-sae-statistics-subscribers-dn |
| show sae subscribers ip | get-sae-statistics-subscribers-ip |
| show sae subscribers login-name | get-sae-statistics-subscribers-login-name |
| show sae subscribers service-name | get-sae-statistics-subscribers-service-name |
| show sae subscribers session-id | get-sae-statistics-subscribers-session-id |
| show sae threads | get-sae-statistics-threads |
| clear sae directory blacklist | clear-sae-directory-blacklist |
| clear sae registered equipment | clear-sae-registered-equipment |
| clear sae registered login | clear-sae-registered-login |
| request sae load configuration | request-sae-load-configuration |
| request sae load domain map | request-sae-load-domain-map |
| request sae load interface classification | request-sae-load-interface-classification |
| request sae load services | request-sae-load-services |
| request sae load subscriptions | request-sae-load-subscriptions |
| request sae login ip authenticated dhcp | request-sae-login-ip-authenticated-dhcp |
| request sae login ip authenticated interface | request-sae-login-ip-authenticated-interface |
| request sae login ip unauthenticated dhcp | request-sae-login-ip-unauthenticated-dhcp |

| | |
|--|--|
| request sae login ip unauthenticated interface | request-sae-login-ip-unauthenticated-interface |
| request sae logout dn | request-sae-logout-dn |
| request sae logout ip | request-sae-logout-ip |
| request sae logout login name | request-sae-logout-login-name |
| request sae logout session id | request-sae-logout-session-id |
| request sae modify device failover | request-sae-modify-device-failover |
| request sae shutdown device | request-sae-shutdown-device |
| request sae update ip pools | request-sae-update-ip-pools |
| request sae update qos profiles | request-sae-update-qos-profiles |
| show sae directory blacklist | get-sae-directory-blacklist |
| show sae drivers | get-sae-drivers |
| show sae interfaces | get-sae-interfaces |
| show sae licenses | get-sae-licenses |
| show sae number service sessions | get-sae-number-service-sessions |
| show sae policies | get-sae-policies |
| show sae registered equipment | get-sae-registered-equipment |
| show sae registered login | get-sae-registered-login |
| show sae services | get-sae-services |
| show sae sessionstore stats | get-sae-sessionstore-stats |
| show sae statistics directory connections | get-sae-statistics-directory-connections |
| show sae statistics license client | get-sae-statistics-license-client |
| show sae statistics license device | get-sae-statistics-license-device |
| show sae statistics license local | get-sae-statistics-license-local |
| show sae statistics policy management | get-sae-statistics-policy-management |
| show sae statistics process | get-sae-statistics-process |
| show sae statistics radius | get-sae-statistics-radius |
| show sae statistics radius client | get-sae-statistics-radius-client |
| show sae statistics sessions | get-sae-statistics-sessions |
| show sae subscribers | get-sae-subscribers |

Table 10 maps SRC XML operational request tag elements to SRC CLI commands. Tag elements are listed in alphabetical order.

Table 10: Mapping of Service Activation Engine Operational Tag Elements to CLI Commands

| Request Tag Element | CLI Command |
|---|---|
| clear-sae-directory-blacklist | clear sae directory blacklist |
| clear-sae-registered-equipment | clear sae registered equipment |
| clear-sae-registered-login | clear sae registered login |
| get-sae-directory-blacklist | show sae directory blacklist |
| get-sae-drivers | show sae drivers |
| get-sae-interfaces | show sae interfaces |
| get-sae-licenses | show sae licenses |
| get-sae-number-service-sessions | show sae number service sessions |
| get-sae-policies | show sae policies |
| get-sae-registered-equipment | show sae registered equipment |
| get-sae-registered-login | show sae registered login |
| get-sae-services | show sae services |
| get-sae-sessionstore-stats | show sae sessionstore stats |
| get-sae-statistics-directory-connections | show sae statistics directory connections |
| get-sae-statistics-diretory | show sae statistics diretory |
| get-sae-statistics-license-client | show sae statistics license client |
| get-sae-statistics-license-device | show sae statistics license device |
| get-sae-statistics-license-local | show sae statistics license local |
| get-sae-statistics-policy-management | show sae statistics policy management |
| get-sae-statistics-process | show sae statistics process |
| get-sae-statistics-radius | show sae statistics radius |
| get-sae-statistics-radius-client | show sae statistics radius client |
| get-sae-statistics-router | show sae tatistics device |
| get-sae-statistics-router-common | show sae statistics device common |
| get-sae-statistics-sessions | show sae statistics sessions |
| get-sae-statistics-subscribers-accounting-user-id | show sae subscribers accounting user-id |
| get-sae-statistics-subscribers-dn | show sae subscribers dn |
| get-sae-statistics-subscribers-ip | show sae subscribers ip |
| get-sae-statistics-subscribers-login-name | show sae subscribers login-name |

| | |
|--|--|
| get-sae-statistics-subscribers-service-name | show sae subscribers service-name |
| get-sae-statistics-subscribers-session-id | show sae subscribers session-id |
| get-sae-statistics-threads | show sae threads |
| get-sae-subscribers | show sae subscribers |
| request-sae-load-configuration | request sae load configuration |
| request-sae-load-domain-map | request sae load domain map |
| request-sae-load-interface-classification | request sae load interface classification |
| request-sae-load-services | request sae load services |
| request-sae-load-subscriptions | request sae load subscriptions |
| request-sae-login-ip-authenticated-dhcp | request sae login ip authenticated dhcp |
| request-sae-login-ip-authenticated-interface | request sae login ip authenticated interface |
| request-sae-login-ip-unauthenticated-dhcp | request sae login ip unauthenticated dhcp |
| request-sae-login-ip-unauthenticated-interface | request sae login ip unauthenticated interface |
| request-sae-logout-dn | request sae logout dn |
| request-sae-logout-ip | request sae logout ip |
| request-sae-logout-login-name | request sae logout login name |
| request-sae-logout-session-id | request sae logout session id |
| request-sae-modify-device-failover | request sae modify device failover |
| request-sae-shutdown-device | request sae shutdown device |
| request-sae-update-ip-pools | request sae update ip pools |
| request-sae-update-qos-profiles | request sae update qos profiles |

Table 11 lists the SRC XML operational response tag elements. Tag elements are listed in alphabetical order.

Table 11: Operational Response Tag Elements

| Response Tag Element |
|--|
| AAA-router-driver |
| ISE-router-driver |
| SAE-license |
| SS-file-details |
| XDR-state-synchronizer |
| accounting-data |

| |
|--|
| auth-profile |
| default-ICC |
| dhcp-option |
| dhcp-packet |
| directory-statistics |
| dmi-router-driver |
| floating-context |
| generic |
| hotstandby-info |
| interface-classification-context |
| interfaces |
| job-queue |
| junos-e-XDR-router-driver |
| junos-e-base-driver |
| junos-e-router-driver |
| junos-e-sap |
| junos-router-driver |
| junos-service-activation-point |
| license-client-statistics |
| license-manager |
| licenses |
| mac-cache-data |
| message-queue |
| pcmm-SAP |
| pcmm-router-driver |
| persistent-login-profile |
| policy-management-statistics |
| policy-shared-ctx |
| primary-hotstandby-info |
| process-statistics |
| radius-client-statistics |
| |

| |
|---|
| radius-statistics |
| registrations |
| replicator |
| router-common-statistics |
| router-driver |
| router-statistics |
| routers |
| secondary-hotstandby-info |
| service |
| service-activation-point |
| service-profile |
| service-session |
| service-session-attributes |
| services |
| session-factory |
| session-store-details |
| session-store-stats |
| sessions-statistics |
| sim-SAP |
| sim-router-driver |
| state-synchronizer |
| statistics |
| statistics-set |
| thread-group-wrapper |
| thread-wrapper |
| transaction-manager |
| user-classification-context |
| user-profile |
| user-session |
| user-sessions |
| user-type |

<clear-sae-directory-blacklist>

Usage

```
<rpc>  
  <clear-sae-directory-blacklist>  
  </clear-sae-directory-blacklist>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Delete directory blacklist or remove a server from the directory blacklist. A server is added to the blacklist if it repeatedly fails to respond while the server is running and accepting requests.

Required Privilege Level

clear

<clear-sae-registered-equipment>

Usage

```
<rpc>  
  <clear-sae-registered-equipment>  
    <mac-address> mac-address </mac-address>  
    <persistent/>  
  </clear-sae-registered-equipment>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Delete entries in the equipment registration cache.

Contents

<mac-address>— (Optional) MAC address of equipment registrations.

Value— MAC address in the format xx:xx:xx:xx:xx:x

Default— No value

<persistent>— (Optional) Flag indicating that equipment registration is also removed from the directory. If you do not set this flag, the equipment registration is removed only from the memory. Disabled

Default—false

Required Privilege Level

clear

<clear-sae-registered-login>

Usage

```
<rpc>
  <clear-sae-registered-login>
    <mac-address> mac-address </mac-address>
    <persistent/>
  </clear-sae-registered-login>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Delete entries in the login registration cache.

Contents

<mac-address>— (Optional) MAC address of login registrations.

Value— MAC address in the format xx:xx:xx:xx:xx:xx

Default— No value

<persistent>— (Optional) Flag indicating that login registration is also removed from the directory. If you do not set this flag, the login registration is removed only from the memory.

Default— Disabled

Required Privilege Level

clear

<get-sae-directory-blacklist>

Usage

```
<rpc>  
  <get-sae-directory-blacklist>  
  </get-sae-directory-blacklist>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display the directory blacklist.

Required Privilege Level

view

Output Tag

[directory-black-list](#)

<get-sae-drivers>

Usage

```
<rpc>
  <get-sae-drivers>
    <device-name> device-name </device-name>
    <style> style-choice </style>
    <maximum-results> maximum-results </maximum-results>
  </get-sae-drivers>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display the state of SAE device drivers. Each device driver manages one logical router instance. For example, a JUNOS routing platform, a JUNOSe virtual router, a PCMM device, or another third-party device.

Contents

<device-name>— (Optional) Name of a device.

Value— All or part of the device name.

- For JUNOSe router drivers, use the format `virtualRouterName@routerName`.
- For JUNOS router drivers and PCMM drivers, use the format `default@routerName`.

Default— No value

<style>— (Optional) Output style

Value

- `brief`— Display virtual router names and sessionstore details

Default— Detail

<maximum-results>— (Optional) Number of results to be displayed.

Value— Integer in the range 1–200

Default— 25

Required Privilege Level

view

Output Tag

[routers](#)

<get-sae-interfaces>

Usage

```
<rpc>
  <get-sae-interfaces>
    <interface-name> interface-name </interface-name>
    <virtual-router> virtual-router </virtual-router>
    <style> style-choice </style>
    <maximum-results> maximum-results </maximum-results>
  </get-sae-interfaces>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display information about router interfaces that the SAE is managing.

Contents

<interface-name>— (Optional) Name of router interface.

Value— All or part of the interface name

Default— No value

<virtual-router>— (Optional) Name of virtual router.

Value— All or part of the virtual router name

Default— No value

<style>— (Optional) Output style.

Value

- **brief**— Display only interface names.

Default— Detail

<maximum-results>— (Optional) Number of results to be displayed.

Value— Integer in the range 1–200

Default— 25

Required Privilege Level

view

Output Tag

[interfaces](#)

<get-sae-licenses>

Usage

```
<rpc>  
  <get-sae-licenses>  
  </get-sae-licenses>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display licenses and the status of licenses running on the SAE.

Required Privilege Level

view

<get-sae-number-service-sessions>

Usage

```
<rpc>  
  <get-sae-number-service-sessions>  
    <service-name> service-name </service-name>  
    <service-attribute-name> service-attribute-name </service-attribute-name>  
    <scope> scope </scope>  
    <virtual-router> virtual-router </virtual-router>  
  </get-sae-number-service-sessions>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display number of service sessions.

Contents

<service-name>— Name of a service.

Value— Text

Default— No value

<service-attribute-name>— Name of a service attribute.

Value— Text

Default— No value

<scope>— Name of a service scope.

Value— Text

Default— No value

<virtual-router>— Name of a virtual router.

Value— Text

Default— No value

Required Privilege Level

view

<get-sae-policies>

Usage

```
<rpc>
  <get-sae-policies>
    <group> group </group>
    <style> style-choice </style>
    <maximum-results> maximum-results </maximum-results>
  </get-sae-policies>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display policy groups.

Contents

<group>— (Optional) Name of a policy group.

Value— All or part of the policy group name

Default— No value

<style>— (Optional) Output style.

Value

- **brief**— Display only policy group names.

Default—detail

<maximum-results>— (Optional) Number of results to be displayed.

Value—Integer in the range 1–200

Default— 25

Required Privilege Level

view

Output Tag

[policies](#)

<get-sae-registered-equipment>

Usage

```
<rpc>
  <get-sae-registered-equipment>
    <mac-address> mac-address </mac-address>
    <style> style-choice </style>
    <maximum-results> maximum-results </maximum-results>
  </get-sae-registered-equipment>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display equipment registrations.

Contents

<mac-address>— (Optional) MAC address of equipment registrations.

Value— MAC address in the format xx:xx:xx:xx:xx:xx

Default— No value

<style>— (Optional) Output style.

Value

- **brief**— Display only the MAC address of registered equipment.

Default— Detail

<maximum-results>— (Optional) Number of results to be displayed.

Value— Integer in the range 1–200

Default— 25

Required Privilege Level

view

<get-sae-registered-login>

Usage

```
<rpc>
  <get-sae-registered-login>
    <mac-address> mac-address </mac-address>
    <style> style-choice </style>
    <maximum-results> maximum-results </maximum-results>
  </get-sae-registered-login>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display login registrations.

Contents

<mac-address>— (Optional) MAC address of login registrations.

Value— MAC address in the format xx:xx:xx:xx:xx:xx

Default— No value

<style>— (Optional) Output style

Value

- **brief**— Display only the MAC address of login registrations.

Default— Detail

<maximum-results>— (Optional) Number of results to be displayed.

Value— Integer in the range 1–200

Default— 25

Required Privilege Level

view

<get-sae-services>

Usage

```
<rpc>
  <get-sae-services>
    <name> name </name>
    <secret/>
    <style> style-choice </style>
    <maximum-results> maximum-results </maximum-results>
    <sort> sort-choice </sort>
  </get-sae-services>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display the state of services running on the SAE.

Contents

<name>— (Optional) Name of service.

Value— All or part of the service name

Default— No value

<secret>— (Optional) Display subscriber sessions and service sessions for hidden services.

Default— Disabled

<style>— (Optional) Output style

Value

- **brief**— Display only service names.

Default— Detail

<maximum-results>— (Optional) Number of results to be displayed.

Value— Integer in the range 1–200

Default— 25

<sort>— (Optional) How to sort output results

Value

- `by-active-sessions`— Sort by number of active sessions.

Default— By service name

Introduced in—4.1.0

Required Privilege Level

view

Output Tag

[services](#)

<get-sae-sessionstore-stats>

Usage

```
<rpc>  
  <get-sae-sessionstore-stats>  
  </get-sae-sessionstore-stats>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display the sessionstore's stats class details

Required Privilege Level

view

Output Tag

[session-store-stats](#)

<get-sae-statistics-directory-connections>

Usage

```
<rpc>
  <get-sae-statistics-directory-connections>
    <id> id </id>
    <style> style-choice </style>
  </get-sae-statistics-directory-connections>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display SNMP statistics for directory connections.

Contents

<id>— (Optional) Directory connection ID.

Value— All or part of the connection ID

Default— No value

<style>— (Optional) Output style

Value

- **brief**— Display only directory connection IDs.

Default— Detail

Required Privilege Level

view

Output Tag

[connections](#)

<get-sae-statistics-diretory>

Usage

```
<rpc>  
  <get-sae-statistics-diretory>  
  </get-sae-statistics-diretory>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display SNMP statistics about the directory.

Required Privilege Level

view

Output Tag

[directory-statistics](#)

<get-sae-statistics-license-client>

Usage

```
<rpc>  
  <get-sae-statistics-license-client>  
  </get-sae-statistics-license-client>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display SNMP information about the state of client licenses.

Required Privilege Level

view

Output Tag

[license-client-statistics](#)

<get-sae-statistics-license-device>

Usage

```
<rpc>
  <get-sae-statistics-license-device>
    <name> name </name>
    <style> style-choice </style>
  </get-sae-statistics-license-device>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display SNMP information about the state of licenses on specified devices.

Contents

<name>— (Optional) Name of a device.

Value— All or part of the device name.

- For JUNOSe router drivers, use the format virtualRouterName@routerName.
- For JUNOS router drivers and PCMM drivers, use the format default@routerName.

Default— No value

<style>— (Optional) Output style

Value

- brief— Display only device names.

Default— Detail

Required Privilege Level

view

Output Tag

[licenses](#)

<get-sae-statistics-license-local>

Usage

```
<rpc>  
  <get-sae-statistics-license-local>  
  </get-sae-statistics-license-local>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display SNMP information about the state of local licenses.

Required Privilege Level

view

Output Tag

[license-manager](#)

<get-sae-statistics-policy-management>

Usage

```
<rpc>  
  <get-sae-statistics-policy-management>  
  </get-sae-statistics-policy-management>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display SNMP information about the policy engine, policy decision point, and the shared object repository where the policy objects are stored.

Required Privilege Level

view

Output Tag

[policy-management-statistics](#)

<get-sae-statistics-process>

Usage

```
<rpc>  
  <get-sae-statistics-process>  
  </get-sae-statistics-process>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display SNMP information about the SAE server process.

Required Privilege Level

view

Output Tag

[process-statistics](#)

<get-sae-statistics-radius>

Usage

```
<rpc>  
  <get-sae-statistics-radius>  
  </get-sae-statistics-radius>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display SNMP RADIUS information. Display SNMP statistics for RADIUS clients.

Required Privilege Level

view

Output Tag

[radius-statistics](#)

<get-sae-statistics-radius-client>

Usage

```
<rpc>
  <get-sae-statistics-radius-client>
    <client-type> client-type-choice </client-type>
    <ip-address> ip-address </ip-address>
    <udp-port> udp-port </udp-port>
    <style> style-choice </style>
  </get-sae-statistics-radius-client>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display SNMP information about RADIUS clients.

Contents

<client-type>— Display SNMP information for either RADIUS accounting clients or RADIUS authentication clients.

Value

- **accounting**— Display SNMP information for RADIUS accounting clients.
- **authentication**— Display SNMP information for RADIUS authentication clients.

Default— No value

<ip-address>— (Optional) IP address or addresses of RADIUS clients.

Value— All or part of the client IP address

Default— No value

<udp-port>— (Optional) Port number for RADIUS clients.

Value— All or part of the client port number

Default— No value

<style>

— (Optional) Output style.

Value

- `brief`— Display only a list of the clients that are accessible by IP address and port number.

Default— Detail

Required Privilege Level

view

Output Tag

[statistics-set](#)

<get-sae-statistics-router>

Usage

```
<rpc>
  <get-sae-statistics-router>
    <name> name </name>
    <style> style-choice </style>
  </get-sae-statistics-router>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display SNMP information for routers and other devices that the SAE is managing. For example, Juniper Networks routers, PCMM devices, and other third-party devices.

Contents

<name>— (Optional) Name of a device.

Value— All or part of the device name.

- For JUNOSe router drivers, use the format `virtualRouterName@routerName`.
- For JUNOS router drivers and PCMM drivers, use the format `default@routerName`.

Default— No value

<style>— (Optional) Output style

Value

- `brief`— Display only device names.
- `terse`— Display device name, device type, number of managed and unmanaged interfaces.

Default— Detail

Required Privilege Level

view

Output Tag

[statistics-set](#)

<get-sae-statistics-router-common>

Usage

```
<rpc>  
  <get-sae-statistics-router-common>  
    <type> type-choice </type>  
  </get-sae-statistics-router-common>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display SNMP statistics for all device drivers of a particular type.

Contents

<type>— (Optional) Display SNMP statistics for a specified device driver type.

Value

- junos— JUNOS router drivers.
- junose— JUNOSe router drivers.
- packetcable-cops— PCMM device drivers.
- proxy— Third-party device drivers.
- aaa— AAA device drivers.
- junos-ise— ISE device drivers.
- junos-ptsp— PTSP device drivers.
- junos-dmi— DMI device drivers.

Default— No value

Required Privilege Level

view

<get-sae-statistics-sessions>

Usage

```
<rpc>  
  <get-sae-statistics-sessions>  
  </get-sae-statistics-sessions>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display SNMP statistics for subscriber sessions and service sessions.

Required Privilege Level

view

Output Tag

[sessions-statistics](#)

<get-sae-statistics-subscribers-accounting-user-id>

Usage

```
<rpc>  
  <get-sae-statistics-subscribers-accounting-user-id>  
    <filter> filter </filter>  
  </get-sae-statistics-subscribers-accounting-user-id>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display subscriber sessions accessible by accounting-user-id. All authenticated subscribers are accessible by accounting-user-id.

Contents

<filter>— (Optional) Accounting-user-id of subscriber sessions.

Value— All or part of the subscriber accounting-user-id

Default— No value

Required Privilege Level

view

<get-sae-statistics-subscribers-dn>

Usage

```
<rpc>  
  <get-sae-statistics-subscribers-dn>  
    <filter> filter </filter>  
  </get-sae-statistics-subscribers-dn>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display subscriber sessions accessible by DN. All subscribers who have a subscriber profile in the directory are accessible by DN.

Contents

<filter>— (Optional) DN of the subscribers.

Value— All or part of the subscriber DN

Default— No value

Required Privilege Level

view

<get-sae-statistics-subscribers-ip>

Usage

```
<rpc>  
  <get-sae-statistics-subscribers-ip>  
    <address> address </address>  
    <vpnid> vpnid </vpnid>  
  </get-sae-statistics-subscribers-ip>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display subscriber sessions that are accessible by IP address. The following subscribers are accessible by IP address: DHCP subscribers, authenticated PPP subscribers, and static IP subscribers who have logged in through a portal.

Contents

<address>— (Optional) IP address of subscriber sessions.

Value— All or part of the subscriber IP address

Default— No value

<vpnid>— (Optional) IP address of subscriber sessions.

Value— All or part of the subscriber IP address with VPN ID

Default— No value

Required Privilege Level

view

<get-sae-statistics-subscribers-login-name>

Usage

```
<rpc>  
  <get-sae-statistics-subscribers-login-name>  
    <filter> filter </filter>  
  </get-sae-statistics-subscribers-login-name>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display subscriber sessions accessible by login name. All authenticated subscribers are accessible by login name.

Contents

<filter>— (Optional) Login name of subscriber sessions.

Value— All or part of the subscriber login name

Default— No value

Required Privilege Level

view

<get-sae-statistics-subscribers-service-name>

Usage

```
<rpc>  
  <get-sae-statistics-subscribers-service-name>  
    <filter> filter </filter>  
  </get-sae-statistics-subscribers-service-name>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display all active subscriber sessions activated from a subscription to the specified service name.

Contents

<filter>— (Optional) Service name of subscriber sessions.

Value— All or part of the service name

Default— No value

Required Privilege Level

view

<get-sae-statistics-subscribers-session-id>

Usage

```
<rpc>  
  <get-sae-statistics-subscribers-session-id>  
    <filter> filter </filter>  
  </get-sae-statistics-subscribers-session-id>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display subscriber sessions by session ID.

Contents

`<filter>`— (Optional) ID of subscriber sessions.

Value— All or part of the subscriber session ID

Default— No value

Required Privilege Level

view

<get-sae-statistics-threads>

Usage

```
<rpc>  
  <get-sae-statistics-threads>  
  </get-sae-statistics-threads>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display information about threads and their priority on the SAE.

Required Privilege Level

view

Output Tag

[thread-group-wrapper](#)

<get-sae-subscribers>

Usage

```
<rpc>
  <get-sae-subscribers>
    <maximum-results> maximum-results </maximum-results>
    <secret/>
    <style> style-choice </style>
  </get-sae-subscribers>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display information about subscriber sessions.

Contents

<maximum-results>— (Optional) Number of results to be displayed.

Value—Integer in the range 1–200

Default— 25

<secret>— (Optional) Display subscriber sessions and service sessions for hidden services.

Default— Disabled

<style>— (Optional) Output style

Value

- **brief**— Display subscriber session information. Service sessions are not displayed.
- **terse**— Display subscriber session ID, login name, and IP address.

Default— Detail

Required Privilege Level

view

Output Tag

[user-sessions](#)

<request-sae-load-configuration>

Usage

```
<rpc>  
  <request-sae-load-configuration>  
  </request-sae-load-configuration>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Reload SAE configuration data from the directory. The new configuration takes effect immediately.

Required Privilege Level

maintenance

<request-sae-load-domain-map>

Usage

```
<rpc>  
  <request-sae-load-domain-map>  
  </request-sae-load-domain-map>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Reload the mapping of domain names to retailer entries. This mapping is made available to the SAE's subscriber classification script.

Required Privilege Level

maintenance

<request-sae-load-interface-classification>

Usage

```
<rpc>  
  <request-sae-load-interface-classification>  
  </request-sae-load-interface-classification>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Reload the interface classification scripts from the directory, and apply the result of the interface classification changes to the router as follows:

- For every unmanaged interface that becomes managed, new default policies are downloaded to the router.
- For every managed interface whose default policy group has changed, the old default policies are replaced by the new ones.
- For every managed interface that becomes unmanaged, an error message in the error log is displayed and no changes are applied until the interface goes down.

Required Privilege Level

maintenance

<request-sae-load-services>

Usage

```
<rpc>  
  <request-sae-load-services>  
  </request-sae-load-services>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Reload the following objects from the directory: services, scopes, virtual routers, policies, service mutex groups, and service schedules. Related service sessions are activated, deactivated, or reactivated, as needed.

Required Privilege Level

maintenance

<request-sae-load-subscriptions>

Usage

```
<rpc>  
  <request-sae-load-subscriptions>  
  </request-sae-load-subscriptions>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Reload all subscriptions from the directory. Related service sessions are activated, deactivated, or reactivated as needed.

Required Privilege Level

maintenance

<request-sae-login-ip-authenticated-dhcp>

Usage

```
<rpc>
  <request-sae-login-ip-authenticated-dhcp>
    <virtual-router> virtual-router </virtual-router>
    <address> address </address>
    <login-name> login-name </login-name>
    <mac-address> mac-address </mac-address>
    <interface-type> interface-type-choice </interface-type>
    <service-bundle> service-bundle </service-bundle>
    <radius-class> radius-class </radius-class>
    <interface-name> interface-name </interface-name>
    <interface-alias> interface-alias </interface-alias>
    <interface-description> interface-description </interface-description>
    <nas-port-id> nas-port-id </nas-port-id>
  </request-sae-login-ip-authenticated-dhcp>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Log in a simulated subscriber that is an authenticated DHCP subscriber. Logging in simulated subscribers allows you to test your SRC application without the need for a router or other device.

Contents

<virtual-router>— Name of a simulated virtual router that you want to appear in the simulated subscriber session.

Value— Text

Default— No value

<address>— IP address from which you log in simulated subscribers.

Value— IP address

Default— No value

<login-name>— Fully qualified name used to log in simulated subscribers.

Value— Fully qualified name

Default— No value

<mac-address>— MAC address used to log in simulated subscribers.

Value— MAC address in the format xx:xx:xx:xx:xx:xx

Default— 00:00:00:00:00:01

`<interface-type>`— Selects between IPv4 or IPv6 subscribers

Value

- `ipv4`—IPv4
- `ipv6`—IPv6

`<service-bundle>`— (Optional) Service bundle used when logging in simulated subscribers.

Value— Service bundle name

Default— No value

`<radius-class>`— (Optional) RADIUS class used when logging in simulated subscribers.

Value— RADIUS class

Default— No value

`<interface-name>`— (Optional) Virtual interface used when logging in simulated subscribers.

Value— Virtual router name

Default— No value

`<interface-alias>`— (Optional) Interface description used when logging in simulated subscribers. If you are simulating JUNOSe routers, interface alias is the description that is configured on JUNOSe routers with the **interface description** command.

Value— Text

Default— No value

`<interface-description>`— (Optional) Alternate interface name used when logging in simulated subscribers. This is the interface name that is used by SNMP.

Value— If you are simulating a:

- JUNOSe router, the format of the description is `ip<slot>/<port>`.

<subinterface>

- JUNOS routing platform, ifDesc is the same as interfaceName.

Default— No value

<nas-port-id>— (Optional) Port identifier of an interface used when logging in simulated subscribers.

Value— Includes interface name and additional layer 2 information. For example, fastEthernet 3/1.

Default— No value

Required Privilege Level

maintenance

<request-sae-login-ip-authenticated-interface>

Usage

```
<rpc>
  <request-sae-login-ip-authenticated-interface>
    <virtual-router> virtual-router </virtual-router>
    <address> address </address>
    <login-name> login-name </login-name>
    <interface-type> interface-type-choice </interface-type>
    <service-bundle> service-bundle </service-bundle>
    <radius-class> radius-class </radius-class>
    <interface-name> interface-name </interface-name>
    <interface-alias> interface-alias </interface-alias>
    <interface-description> interface-description </interface-description>
    <nas-port-id> nas-port-id </nas-port-id>
  </request-sae-login-ip-authenticated-interface>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Log in a simulated subscriber that is an authenticated interface subscriber. Logging in simulated subscribers allows you to test your SRC application without the need for a router or other device.

Contents

<virtual-router>— Name of a simulated virtual router that you want to appear in the simulated subscriber session.

Value— Text

Default— No value

<address>— IP address from which you log in simulated subscribers.

Value— IP address

Default— No value

<login-name>— Fully qualified name used to log in simulated subscribers.

Value— Fully qualified name

Default— No value

<interface-type>— Selects between IPv4 or IPv6 subscribers

Value

- ipv4—IPv4
- ipv6—IPv6

<service-bundle>— (Optional) Service bundle used when logging in simulated subscribers.

Value— Service bundle name

Default— No value

<radius-class>— (Optional) RADIUS class used when logging in simulated subscribers.

Value— RADIUS class

Default— No value

<interface-name>— (Optional) Virtual interface used when logging in simulated subscribers.

Value— Virtual router name

Default— No value

<interface-alias>— (Optional) Interface description used when logging in simulated subscribers. If you are simulating JUNOSe routers, interface alias is the description that is configured on JUNOSe routers with the **interface description** command.

Value— Text

Default— No value

<interface-description>— (Optional) Alternate interface name used when logging in simulated subscribers. This is the interface name that is used by SNMP.

Value— If you are simulating a:

- JUNOSe router, the format of the description is ip<slot>/<port>.
 <subinterface>
- JUNOS routing platform, ifDesc is the same as interfaceName.

Default— No value

`<nas-port-id>`— (Optional) Port identifier of an interface used when logging in simulated subscribers.

Value— Includes interface name and additional layer 2 information. For example, fastEthernet 3/1.

Default— No value

Required Privilege Level

maintenance

<request-sae-login-ip-unauthenticated-dhcp>

Usage

```
<rpc>
  <request-sae-login-ip-unauthenticated-dhcp>
    <virtual-router> virtual-router </virtual-router>
    <address> address </address>
    <mac-address> mac-address </mac-address>
    <interface-type> interface-type-choice </interface-type>
    <login-name> login-name </login-name>
    <service-bundle> service-bundle </service-bundle>
    <radius-class> radius-class </radius-class>
    <interface-name> interface-name </interface-name>
    <interface-alias> interface-alias </interface-alias>
    <interface-description> interface-description </interface-description>
    <nas-port-id> nas-port-id </nas-port-id>
  </request-sae-login-ip-unauthenticated-dhcp>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Log in a simulated subscriber that is an unauthenticated DHCP subscriber. Logging in simulated subscribers allows you to test your SRC application without the need for a router or other device.

Contents

<virtual-router>— Name of a simulated virtual router that you want to appear in the simulated subscriber session.

Value— Text

Default— No value

<address>— IP address from which you log in simulated subscribers.

Value— IP address

Default— No value

<mac-address>— MAC address used to log in simulated subscribers.

Value— MAC address in the format xx:xx:xx:xx:xx:xx

Default— 00:00:00:00:00:01

<interface-type>— Selects between IPv4 or IPv6 subscribers

Value

- ipv4—IPv4
- ipv6—IPv6

`<login-name>`— (Optional) Fully qualified name used to log in simulated subscribers.

Value— Fully qualified name

Default— No value

`<service-bundle>`— (Optional) Service bundle used when logging in simulated subscribers.

Value— Service bundle name

Default— No value

`<radius-class>`— (Optional) RADIUS class used when logging in simulated subscribers.

Value— RADIUS class

Default— No value

`<interface-name>`— (Optional) Virtual interface used when logging in simulated subscribers.

Value— Virtual router name

Default— No value

`<interface-alias>`— (Optional) Interface description used when logging in simulated subscribers. If you are simulating JUNOSe routers, interface alias is the description that is configured on JUNOSe routers with the **interface description** command.

Value— Text

Default— No value

`<interface-description>`— (Optional) Alternate interface name used when logging in simulated subscribers. This is the interface name that is used by SNMP.

Value— If you are simulating a:

- JUNOSe router, the format of the description is ip<slot>/<port>.

<subinterface>

- JUNOS routing platform, ifDesc is the same as interfaceName.

Default— No value

<nas-port-id>— (Optional) Port identifier of an interface used when logging in simulated subscribers.

Value— Includes interface name and additional layer 2 information. For example, fastEthernet 3/1.

Default— No value

Required Privilege Level

maintenance

<request-sae-login-ip-unauthenticated-interface>

Usage

```
<rpc>
  <request-sae-login-ip-unauthenticated-interface>
    <virtual-router> virtual-router </virtual-router>
    <interface-name> interface-name </interface-name>
    <interface-type> interface-type-choice </interface-type>
    <address> address </address>
    <login-name> login-name </login-name>
    <service-bundle> service-bundle </service-bundle>
    <radius-class> radius-class </radius-class>
    <interface-alias> interface-alias </interface-alias>
    <interface-description> interface-description </interface-description>
    <nas-port-id> nas-port-id </nas-port-id>
  </request-sae-login-ip-unauthenticated-interface>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Log in a simulated subscriber that is an unauthenticated interface subscriber. Logging in simulated subscribers allows you to test your SRC application without the need for a router or other device.

Contents

<virtual-router>— Name of a simulated virtual router that you want to appear in the simulated subscriber session.

Value— Text

Default— No value

<interface-name>— Virtual interface used when logging in simulated subscribers.

Value— Virtual interface name

Default— No value

<interface-type>— Selects between IPv4 or IPv6 subscribers

Value

- *ipv4*—IPv4
- *ipv6*—IPv6

<address>— (Optional) IP address from which you log in simulated subscribers.

Value— IP address

Default— No value

<login-name>— (Optional) Fully qualified name used to log in simulated subscribers.

Value— Fully qualified name

Default— No value

<service-bundle>— (Optional) Service bundle used when logging in simulated subscribers.

Value— Service bundle name

Default— No value

<radius-class>— (Optional) RADIUS class used when logging in simulated subscribers.

Value— RADIUS class

Default— No value

<interface-alias>— (Optional) Interface description used when logging in simulated subscribers. If you are simulating JUNOSe routers, interface alias is the description that is configured on JUNOSe routers with the **interface description** command.

Value— Text

Default— No value

<interface-description>— (Optional) Alternate interface name used when logging in simulated subscribers. This is the interface name that is used by SNMP.

Value— If you are simulating a:

- JUNOSe router, the format of the description is ip<slot>/<port>.
 <subinterface>
- JUNOS routing platform, ifDesc is the same as interfaceName.

Default— No value

<nas-port-id>— (Optional) Port identifier of an interface used when logging in simulated

subscribers.

Value— Includes interface name and additional layer 2 information. For example, fastEthernet 3/1.

Default— No value

Required Privilege Level

maintenance

<request-sae-logout-dn>

Usage

```
<rpc>  
  <request-sae-logout-dn>  
    <filter> filter </filter>  
  </request-sae-logout-dn>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Log out subscribers who are accessible by DN. All subscribers who have a subscriber profile in the directory are accessible by DN.

Contents

<filter>— (Optional) DN or DN's of subscribers that you want to log out.

Value— All or part of the subscriber DN

Default— No value

Required Privilege Level

clear

<request-sae-logout-ip>

Usage

```
<rpc>  
  <request-sae-logout-ip>  
    <filter> filter </filter>  
  </request-sae-logout-ip>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Log out subscribers who are accessible by IP address. The following types of subscribers are accessible by IP address: DHCP subscribers, authenticated PPP subscribers, and static IP subscribers who have logged in through a portal.

Contents

<filter>— (Optional) IP address or addresses of subscribers that you want to log out.

Value— All or part of the subscriber IP address

Default— No value

Required Privilege Level

clear

<request-sae-logout-login-name>

Usage

```
<rpc>  
  <request-sae-logout-login-name>  
    <filter> filter </filter>  
  </request-sae-logout-login-name>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Log out subscribers who are accessible by login name. All authenticated subscribers are accessible by login name.

Contents

<filter>— (Optional) Login name or names of subscribers that you want to log out.

Value— All or part of the login name

Default— No value

Required Privilege Level

clear

<request-sae-logout-session-id>

Usage

```
<rpc>
  <request-sae-logout-session-id>
    <filter> filter </filter>
  </request-sae-logout-session-id>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Log out subscribers who are accessible by session ID. All subscribers are accessible by session ID.

Contents

<filter>— (Optional) Session ID or IDs of subscribers that you want to log out.

Value— All or part of the subscriber session ID

Default— No value

Required Privilege Level

clear

<request-sae-modify-device-failover>

Usage

```
<rpc>
  <request-sae-modify-device-failover>
    <ip-address> ip-address </ip-address>
    <tcp-port> tcp-port </tcp-port>
    <use-failover-server/>
    <virtual-router> virtual-router </virtual-router>
  </request-sae-modify-device-failover>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Modify failover server parameters.

Contents

<ip-address>— (Optional) IP address of an alternate SAE server to which a router or other device can reconnect when the device driver closes its connection. If the driver is configured to use this failover IP address, it sends this IP address to the router or other device when it closes its connection. The device then attempts to open a new connection to the failover IP address. This address is not applicable to the PCMM driver.

Value— IP address

Default— 0.0.0.0

<tcp-port>— (Optional) Port of an alternate SAE server to which a router or other device can reconnect when the device driver closes its connection. If the driver is configured to use this failover port, it sends this failover port to the router or other device when it closes its connection. The device then attempts to open a new connection to this failover port. This TCP port is not applicable to the PCMM driver.

Value— Port number

Default— 0

<use-failover-server>— (Optional) If you set this flag, then the device driver sends its own failover IP address and port to the router or other device when it closes its connection. The device then attempts to open a new connection to the failover IP address and port. This flag is not applicable to the PCMM router driver.

Default— Disabled

`<virtual-router>`— Virtual router name.

Value— Name of the virtual router.

- For JUNOSe router drivers, use the format `virtualRouterName@routerName`.
- For JUNOS router drivers and PCMM drivers, use the format `default@routerName`.

Default— No value

Required Privilege Level

reset

<request-sae-shutdown-device>

Usage

```
<rpc>  
  <request-sae-shutdown-device>  
    <name> name </name>  
  </request-sae-shutdown-device>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Shut down the specified device driver.

Contents

<name>— (Optional) Device name or names that are managing the drivers that you want to shut down.

Value— All or part of the device name.

- For JUNOSe router drivers, use the format `virtualRouterName@routerName`.
- For JUNOS router drivers and PCMM drivers, use the format `default@routerName`.

Default— No value

Required Privilege Level

maintenance

<request-sae-update-ip-pools>

Usage

```
<rpc>
  <request-sae-update-ip-pools>
    <virtual-router> virtual-router </virtual-router>
    <management-address> management-address </management-address>
    <SNMP-community> SNMP-community </SNMP-community>
    <server> server </server>
    <base-dn> base-dn </base-dn>
    <principal> principal </principal>
    <credentials> credentials </credentials>
  </request-sae-update-ip-pools>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Contents

<virtual-router>— Name of the virtual router in the format virtualRouterName@deviceName.

Value— Text

Default— No value

<management-address>— (Optional) The IP address of the virtual router.

Value— IP address

Default— -

<SNMP-community>— (Optional) SNMP community for a given virtual router.

Value— Text

Default— -

<server>— (Optional) IP address or name of the host that supports the directory.

Value— IP address or name of the host

Default— 127.0.0.1

<base-dn>— (Optional) The base DN for the root of the tree to be used.

Value— DN

Default— o=Network,o=UMC

<principal>— (Optional) DN that defines the username with which an SRC component accesses the directory.

Value— DN

Default— No Value

<credentials>— (Optional) Password used for authentication with the directory server.

Value— Text

Default— No value

Required Privilege Level

maintenance

<request-sae-update-qos-profiles>

Usage

```
<rpc>
  <request-sae-update-qos-profiles>
    <virtual-router> virtual-router </virtual-router>
    <management-address> management-address </management-address>
    <SNMP-community> SNMP-community </SNMP-community>
    <server> server </server>
    <base-dn> base-dn </base-dn>
    <principal> principal </principal>
    <credentials> credentials </credentials>
  </request-sae-update-qos-profiles>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Contents

<virtual-router>— Name of the virtual router in the format virtualRouterName@deviceName.

Value— Text

Default— No value

<management-address>— (Optional) The IP address of the virtual router.

Value— IP address

Default— -

<SNMP-community>— (Optional) SNMP community for a given virtual router.

Value— Text

Default— public

<server>— (Optional) IP address or name of the host that supports the directory.

Value— IP address or name of the host

Default— 127.0.0.1

<base-dn>— (Optional) The base DN for the root of the tree to be used.

Value— DN

Default— o=Network,o=UMC

<principal>— (Optional) DN that defines the username with which an SRC component accesses the directory.

Value— DN

Default— No Value

<credentials>— (Optional) Password used for authentication with the directory server.

Value— Text

Default— No value

Required Privilege Level

maintenance

<AAA-router-driver>

Usage

```

<AAA-router-driver xmlns="http://xml.juniper.net/sdx/AAA-router-driver">
  <active-peers> active-peers </active-peers>
  <last-connection-update-time> last-connection-update-time </last-connection-update-time>
  <length-of-job-queue> length-of-job-queue </length-of-job-queue>
  <local-ip> local-ip </local-ip>
  <number-active-service-session> number-active-service-session </number-active-service-session>
  <number-active-user-session> number-active-user-session </number-active-user-session>
  <number-of-AAR> number-of-AAR </number-of-AAR>
  <number-of-ACR> number-of-ACR </number-of-ACR>
  <number-of-ASR-attempt> number-of-ASR-attempt </number-of-ASR-attempt>
  <number-of-STR> number-of-STR </number-of-STR>
  <number-of-device-timeout-ASA> number-of-device-timeout-ASA </number-of-device-timeout-ASA>
  <number-of-device-timeout-PPA> number-of-device-timeout-PPA </number-of-device-timeout-PPA>
  <number-of-initial-AAR> number-of-initial-AAR </number-of-initial-AAR>
  <number-of-policy-add-PPR-attempt> number-of-policy-add-PPR-attempt </number-of-policy-add-PPR-attempt>
  <number-of-policy-modify-PPR-attempt> number-of-policy-modify-PPR-attempt </number-of-policy-modify-PPR-attempt>
  <number-of-policy-remove-PPR-attempt> number-of-policy-remove-PPR-attempt </number-of-policy-remove-PPR-attempt>
  <number-of-route-config-PPR-attempt> number-of-route-config-PPR-attempt </number-of-route-config-PPR-attempt>
  <number-of-sap> number-of-sap </number-of-sap>
  <number-of-secondary-AAR> number-of-secondary-AAR </number-of-secondary-AAR>
  <number-of-send-failed-ASR> number-of-send-failed-ASR </number-of-send-failed-ASR>
  <number-of-send-failed-PPR> number-of-send-failed-PPR </number-of-send-failed-PPR>
  <number-of-sent-ASR> number-of-sent-ASR </number-of-sent-ASR>
  <number-of-sent-PPR> number-of-sent-PPR </number-of-sent-PPR>
  <number-of-service-download-AAR> number-of-service-download-AAR </number-of-service-download-AAR>
  <number-of-service-interim-ACR> number-of-service-interim-ACR </number-of-service-interim-ACR>
  <number-of-service-start-ACR> number-of-service-start-ACR </number-of-service-start-ACR>
  <number-of-service-stop-ACR> number-of-service-stop-ACR </number-of-service-stop-ACR>
  <number-of-user-interim-ACR> number-of-user-interim-ACR </number-of-user-interim-ACR>
  <number-of-user-start-ACR> number-of-user-start-ACR </number-of-user-start-ACR>
  <number-of-user-stop-ACR> number-of-user-stop-ACR </number-of-user-stop-ACR>
  <router-name> router-name </router-name>
  <router-type> router-type </router-type>
  <session-factory xmlns="http://xml.juniper.net/sdx/session-factory"> ... </session-factory>
  <session-store-details xmlns="http://xml.juniper.net/sdx/session-store-details"> ... </session-store-details>
  <state> state </state>
</AAA-router-driver>

```

Contents

<active-peers> —Active Peers

Value—Text

<last-connection-update-time> —Last Connection Update Time

Value—Text

<length-of-job-queue> —Length of job queue

Value—Integer in the range -2147483648–2147483647

<local-ip> —Local IP

Value—Text

<number-active-service-session> —Number of active service sessions

Value—Integer in the range -2147483648–2147483647

<number-active-user-session> —Number of active user sessions

Value—Integer in the range -2147483648–2147483647

<number-of-AAR> —AAR messages received

Value—Integer in the range -2147483648–2147483647

<number-of-ACR> —ACR messages received

Value—Integer in the range -2147483648–2147483647

<number-of-ASR-attempt> —ASR messages attempted

Value—Integer in the range -2147483648–2147483647

<number-of-STR> —STR messages received

Value—Integer in the range -2147483648–2147483647

<number-of-device-timeout-ASA> —Device-Timeout ASA messages received

Value—Integer in the range -2147483648–2147483647

<number-of-device-timeout-PPA> —Device-Timeout PPA messages received

Value—Integer in the range -2147483648–2147483647

<number-of-initial-AAR> —Initial AAR messages received

Value—Integer in the range -2147483648–2147483647

<number-of-policy-add-PPR-attempt> —Policy-Add PPR messages attempted

Value—Integer in the range -2147483648–2147483647

<number-of-policy-modify-PPR-attempt> —Policy-Modify PPR messages attempted

Value—Integer in the range -2147483648–2147483647

<number-of-policy-remove-PPR-attempt> —Policy-Remove PPR messages attempted

Value—Integer in the range -2147483648–2147483647

<number-of-route-config-PPR-attempt> —Route-Config PPR messages attempted

Value—Integer in the range -2147483648–2147483647

<number-of-sap> —Number of SAP

Value—Integer in the range -2147483648–2147483647

<number-of-secondary-AAR> —Secondary AAR messages received

Value—Integer in the range -2147483648–2147483647

<number-of-send-failed-ASR> —Failure-Notified ASR messages sent

Value—Integer in the range -2147483648–2147483647

<number-of-send-failed-PPR> —Failure-Notified PPR messages sent

Value—Integer in the range -2147483648–2147483647

<number-of-sent-ASR> —ASR messages sent

Value—Integer in the range -2147483648–2147483647

<number-of-sent-PPR> —PPR messages sent

Value—Integer in the range -2147483648–2147483647

<number-of-service-download-AAR> —Service-Download AAR messages received

Value—Integer in the range -2147483648–2147483647

<number-of-service-interim-ACR> —Service-Interim ACR messages received

Value—Integer in the range -2147483648–2147483647

<number-of-service-start-ACR> —Service-Start ACR messages received

Value—Integer in the range -2147483648–2147483647

<number-of-service-stop-ACR> —Service-Stop ACR messages received

Value—Integer in the range -2147483648–2147483647

<number-of-user-interim-ACR> —User-Interim ACR messages received

Value—Integer in the range -2147483648–2147483647

<number-of-user-start-ACR> —User-Start ACR messages received

Value—Integer in the range -2147483648–2147483647

<number-of-user-stop-ACR> —User-Stop ACR messages received

Value—Integer in the range -2147483648–2147483647

<router-name> —Device name

Value—Text

<router-type> —Device type

Value—Text

<session-factory> —SessionFactory

[session-factory](#)

<session-store-details> —SessionStoreDetails

[session-store-details](#)

<state> —State

Value—Text

Style

brief

<router-name>

detail

<active-peers>
 <last-connection-update-time>
 <length-of-job-queue>
 <local-ip>
 <number-active-service-session>
 <number-active-user-session>
 <number-of-AAR>
 <number-of-ACR>
 <number-of-ASR-attempt>
 <number-of-STR>
 <number-of-device-timeout-ASA>
 <number-of-device-timeout-PPA>
 <number-of-initial-AAR>
 <number-of-policy-add-PPR-attempt>
 <number-of-policy-modify-PPR-attempt>
 <number-of-policy-remove-PPR-attempt>
 <number-of-route-config-PPR-attempt>
 <number-of-sap>
 <number-of-secondary-AAR>
 <number-of-send-failed-ASR>
 <number-of-send-failed-PPR>
 <number-of-sent-ASR>
 <number-of-sent-PPR>
 <number-of-service-download-AAR>
 <number-of-service-interim-ACR>
 <number-of-service-start-ACR>
 <number-of-service-stop-ACR>
 <number-of-user-interim-ACR>
 <number-of-user-start-ACR>
 <number-of-user-stop-ACR>
 <router-name>
 <router-type>

<session-factory>
<session-store-details>
<state>

<ISE-router-driver>

Usage

```
<ISE-router-driver xmlns="http://xml.juniper.net/sdx/ISE-router-driver">
  <active-peers> active-peers </active-peers>
  <last-connection-update-time> last-connection-update-time </last-connection-update-time>
  <length-of-job-queue> length-of-job-queue </length-of-job-queue>
  <local-ip> local-ip </local-ip>
  <number-active-service-session> number-active-service-session </number-active-service-session>
  <number-active-user-session> number-active-user-session </number-active-user-session>
  <number-of-AAR> number-of-AAR </number-of-AAR>
  <number-of-ACR> number-of-ACR </number-of-ACR>
  <number-of-ASR-attempt> number-of-ASR-attempt </number-of-ASR-attempt>
  <number-of-SRQ-attempt> number-of-SRQ-attempt </number-of-SRQ-attempt>
  <number-of-SRQ-received> number-of-SRQ-received </number-of-SRQ-received>
  <number-of-STR> number-of-STR </number-of-STR>
  <number-of-address-auth-AAR> number-of-address-auth-AAR </number-of-address-auth-AAR>
  <number-of-initial-AAR> number-of-initial-AAR </number-of-initial-AAR>
  <number-of-policy-add-PPR-attempt> number-of-policy-add-PPR-attempt </number-of-policy-add-PPR-attempt>
  <number-of-policy-remove-PPR-attempt> number-of-policy-remove-PPR-attempt </number-of-policy-remove-PPR-attempt>
  <number-of-sap> number-of-sap </number-of-sap>
  <number-of-secondary-AAR> number-of-secondary-AAR </number-of-secondary-AAR>
  <number-of-send-failed-ASR> number-of-send-failed-ASR </number-of-send-failed-ASR>
  <number-of-send-failed-PPR> number-of-send-failed-PPR </number-of-send-failed-PPR>
  <number-of-send-failed-SRQ> number-of-send-failed-SRQ </number-of-send-failed-SRQ>
  <number-of-sent-ASR> number-of-sent-ASR </number-of-sent-ASR>
  <number-of-sent-PPR> number-of-sent-PPR </number-of-sent-PPR>
  <number-of-sent-SRQ> number-of-sent-SRQ </number-of-sent-SRQ>
  <number-of-service-interim-ACR> number-of-service-interim-ACR </number-of-service-interim-ACR>
  <number-of-service-start-ACR> number-of-service-start-ACR </number-of-service-start-ACR>
  <number-of-service-stop-ACR> number-of-service-stop-ACR </number-of-service-stop-ACR>
  <number-of-sync-AAR> number-of-sync-AAR </number-of-sync-AAR>
  <number-of-user-interim-ACR> number-of-user-interim-ACR </number-of-user-interim-ACR>
  <number-of-user-start-ACR> number-of-user-start-ACR </number-of-user-start-ACR>
  <number-of-user-stop-ACR> number-of-user-stop-ACR </number-of-user-stop-ACR>
  <router-name> router-name </router-name>
  <router-type> router-type </router-type>
  <session-factory xmlns="http://xml.juniper.net/sdx/session-factory"> ... </session-factory>
  <session-store-details xmlns="http://xml.juniper.net/sdx/session-store-details"> ... </session-store-details>
  <state> state </state>
</ISE-router-driver>
```

Contents

<active-peers> —Active Peers

Value—Text

<last-connection-update-time> —Last Connection Update Time

Value—Text

<length-of-job-queue> —Length of job queue

Value—Integer in the range -2147483648–2147483647

<local-ip> —Local IP

Value—Text

<number-active-service-session> —Number of active service sessions

Value—Integer in the range -2147483648–2147483647

<number-active-user-session> —Number of active user sessions

Value—Integer in the range -2147483648–2147483647

<number-of-AAR> —AAR messages received

Value—Integer in the range -2147483648–2147483647

<number-of-ACR> —ACR messages received

Value—Integer in the range -2147483648–2147483647

<number-of-ASR-attempt> —ASR messages attempted

Value—Integer in the range -2147483648–2147483647

<number-of-SRQ-attempt> —SRQ messages attempted

Value—Integer in the range -2147483648–2147483647

<number-of-SRQ-received> —SRQ messages received

Value—Integer in the range -2147483648–2147483647

<number-of-STR> —STR messages received

Value—Integer in the range -2147483648–2147483647

<number-of-address-auth-AAR> —Address authorization AAR messages received

Value—Integer in the range -2147483648–2147483647

<number-of-initial-AAR> —Initial provisioning AAR messages received

Value—Integer in the range -2147483648–2147483647

<number-of-policy-add-PPR-attempt> —Policy-Add PPR messages attempted

Value—Integer in the range -2147483648–2147483647

<number-of-policy-remove-PPR-attempt> —Policy-Remove PPR messages attempted

Value—Integer in the range -2147483648–2147483647

<number-of-sap> —Number of SAP

Value—Integer in the range -2147483648–2147483647

<number-of-secondary-AAR> —Secondary provisioning AAR messages received

Value—Integer in the range -2147483648–2147483647

<number-of-send-failed-ASR> —Failure-Notified ASR messages sent

Value—Integer in the range -2147483648–2147483647

<number-of-send-failed-PPR> —Failure-Notified PPR messages sent

Value—Integer in the range -2147483648–2147483647

<number-of-send-failed-SRQ> —Failure-Notified SRQ messages sent

Value—Integer in the range -2147483648–2147483647

<number-of-sent-ASR> —ASR messages sent

Value—Integer in the range -2147483648–2147483647

<number-of-sent-PPR> —PPR messages sent

Value—Integer in the range -2147483648–2147483647

<number-of-sent-SRQ> —SRQ messages sent

Value—Integer in the range -2147483648–2147483647

<number-of-service-interim-ACR> —Service-Interim ACR messages received

Value—Integer in the range -2147483648–2147483647

<number-of-service-start-ACR> —Service-Start ACR messages received

Value—Integer in the range -2147483648–2147483647

<number-of-service-stop-ACR> —Service-Stop ACR messages received

Value—Integer in the range -2147483648–2147483647

<number-of-sync-AAR> —Synchronization AAR messages received

Value—Integer in the range -2147483648–2147483647

<number-of-user-interim-ACR> —User-Interim ACR messages received

Value—Integer in the range -2147483648–2147483647

<number-of-user-start-ACR> —User-Start ACR messages received

Value—Integer in the range -2147483648–2147483647

<number-of-user-stop-ACR> —User-Stop ACR messages received

Value—Integer in the range -2147483648–2147483647

<router-name> —Device name

Value—Text

<router-type> —Device type

Value—Text

<session-factory> —SessionFactory

[session-factory](#)`<session-store-details>` —SessionStoreDetails[session-store-details](#)`<state>` —State**Value**—Text**Style****brief**`<router-name>`**detail**

`<active-peers>`
`<last-connection-update-time>`
`<length-of-job-queue>`
`<local-ip>`
`<number-active-service-session>`
`<number-active-user-session>`
`<number-of-AAR>`
`<number-of-ACR>`
`<number-of-ASR-attempt>`
`<number-of-SRQ-attempt>`
`<number-of-SRQ-received>`
`<number-of-STR>`
`<number-of-address-auth-AAR>`
`<number-of-initial-AAR>`
`<number-of-policy-add-PPR-attempt>`
`<number-of-policy-remove-PPR-attempt>`
`<number-of-sap>`
`<number-of-secondary-AAR>`
`<number-of-send-failed-ASR>`
`<number-of-send-failed-PPR>`
`<number-of-send-failed-SRQ>`
`<number-of-sent-ASR>`
`<number-of-sent-PPR>`
`<number-of-sent-SRQ>`
`<number-of-service-interim-ACR>`
`<number-of-service-start-ACR>`
`<number-of-service-stop-ACR>`
`<number-of-sync-AAR>`
`<number-of-user-interim-ACR>`
`<number-of-user-start-ACR>`

<number-of-user-stop-ACR>
<router-name>
<router-type>
<session-factory>
<session-store-details>
<state>

<SAE-license>

Usage

```
<SAE-license xmlns="http://xml.juniper.net/sdx/SAE-license">
  <allocate-threshold> allocate-threshold </allocate-threshold>
  <creation-time> creation-time </creation-time>
  <license-limitation> license-limitation </license-limitation>
  <license-type> license-type </license-type>
  <release-threshold> release-threshold </release-threshold>
  <time-next-renew> time-next-renew </time-next-renew>
  <vr-name> vr-name </vr-name>
</SAE-license>
```

Contents

<allocate-threshold> —Allocate threshold

Value—Integer in the range -2147483648–2147483647

<creation-time> —Time stamp of last update

Value—Text

<license-limitation> —Granted amount

Value—Integer in the range -2147483648–2147483647

<license-type> —License type

Value—Text

<release-threshold> —Release threshold

Value—Integer in the range -2147483648–2147483647

<time-next-renew> —Time of next renew

Value—Text

<vr-name> —Device name

Value—Text

Style

brief

<vr-name>

detail

<allocate-threshold>

<creation-time>

<license-limitation>

<license-type>

<release-threshold>

<time-next-renew>

<vr-name>

<SS-file-details>

Usage

```
<SS-file-details xmlns="http://xml.juniper.net/sdx/SS-file-details">
  <get-live-size> get-live-size </get-live-size>
  <get-modified-time> get-modified-time </get-modified-time>
  <get-name> get-name </get-name>
  <get-size> get-size </get-size>
</SS-file-details>
```

Contents

<get-live-size> —LiveSessions Size(KB)

Value—Text

<get-modified-time> —Last Modified Time

Value—Text

<get-name> —Name

Value—Text

<get-size> —Size(KB)

Value—Text

Style

detail

```
<get-live-size>
<get-modified-time>
<get-name>
<get-size>
```


<XDR-state-synchronizer>

Usage

```
<XDR-state-synchronizer xmlns="http://xml.juniper.net/sdx/XDR-state-synchronizer">  
  <end-time> end-time </end-time>  
  <num-post-sync-jobs-created> num-post-sync-jobs-created </num-post-sync-jobs-created>  
  <num-sync-ctxs> num-sync-ctxs </num-sync-ctxs>  
  <router-name> router-name </router-name>  
  <start-time> start-time </start-time>  
</XDR-state-synchronizer>
```

Contents

<end-time> —End time

Value—Text

<num-post-sync-jobs-created> —Number of post-sync jobs

Value—Integer in the range -2147483648–2147483647

<num-sync-ctxs> —Number of synched contexts

Value—Integer in the range -2147483648–2147483647

<router-name> —Device name

Value—Text

<start-time> —Start time

Value—Text

<accounting-data>

Usage

```
<accounting-data xmlns="http://xml.juniper.net/sdx/accounting-data">  
  <bytes-from-user> bytes-from-user </bytes-from-user>  
  <bytes-to-user> bytes-to-user </bytes-to-user>  
  <packets-from-user> packets-from-user </packets-from-user>  
  <packets-to-user> packets-to-user </packets-to-user>  
</accounting-data>
```

Contents

<bytes-from-user> —Bytes from user

Value—Integer in the range -9223372036854775808–9223372036854775807

<bytes-to-user> —Bytes to user

Value—Integer in the range -9223372036854775808–9223372036854775807

<packets-from-user> —Packets from user

Value—Integer in the range -9223372036854775808–9223372036854775807

<packets-to-user> —Packets to user

Value—Integer in the range -9223372036854775808–9223372036854775807

<auth-profile>

Usage

```
<auth-profile xmlns="http://xml.juniper.net/sdx/auth-profile">  
  <login-name> login-name </login-name>  
  <password> password </password>  
  <user-domain-name> user-domain-name </user-domain-name>  
  <user-id> user-id </user-id>  
</auth-profile>
```

Contents

<login-name> —User login name

Value—Text

<password> —User password

Value—Text

<user-domain-name> —User domain name

Value—Text

<user-id> —User ID

Value—Text

<default-ICC>

Usage

```
<default-ICC xmlns="http://xml.juniper.net/sdx/default-ICC">
  <broadcast-address> broadcast-address </broadcast-address>
  <calling-station-id> calling-station-id </calling-station-id>
  <if-alias> if-alias </if-alias>
  <if-desc> if-desc </if-desc>
  <if-index> if-index </if-index>
  <interface-name> interface-name </interface-name>
  <interface-speed> interface-speed </interface-speed>
  <interface-type> interface-type </interface-type>
  <ip-address> ip-address </ip-address>
  <ip-mask> ip-mask </ip-mask>
  <local-qos-profiles> local-qos-profiles </local-qos-profiles>
  <local-tunnel-inet-address> local-tunnel-inet-address </local-tunnel-inet-address>
  <mtu> mtu </mtu>
  <nas-ip> nas-ip </nas-ip>
  <nas-port> nas-port </nas-port>
  <nas-port-id> nas-port-id </nas-port-id>
  <ppp-login-name> ppp-login-name </ppp-login-name>
  <radius-class> radius-class </radius-class>
  <remote-tunnel-inet-address> remote-tunnel-inet-address </remote-tunnel-inet-address>
  <service-bundle> service-bundle </service-bundle>
  <session-id> session-id </session-id>
  <user-ip-address> user-ip-address </user-ip-address>
  <virtual-router-name> virtual-router-name </virtual-router-name>
  <vpn-id> vpn-id </vpn-id>
</default-ICC>
```

Contents

<broadcast-address> —Broadcast address

Value—IP address

<calling-station-id> —Calling Station Id

Value—Text

<if-alias> —Interface alias

Value—Text

<if-desc> —Interface description

Value—Text

<if-index> —Interface index

Value—Integer in the range -2147483648–2147483647

<interface-name> —Interface name

Value—Text

<interface-speed> —Interface speed

Value—Integer in the range -9223372036854775808–9223372036854775807

<interface-type> —Interface type

<ip-address> —Ip address

Value—IP address

<ip-mask> —Ip mask

Value—Integer in the range -2147483648–2147483647

<local-qos-profiles> —Local Qos Profiles

Value—Text

<local-tunnel-inet-address> —Local Tunnel Inet

Value—IP address

<mtu> —MTU

Value—Integer in the range -2147483648–2147483647

<nas-ip> —NAS ip

Value—IP address

<nas-port> —NAS Port

Value—Integer in the range -2147483648–2147483647

<nas-port-id> —NAS port id

Value—Text

<ppp-login-name> —PPP login name

Value—Text

<radius-class> —Radius class

Value—Text

<remote-tunnel-inet-address> —Remote Tunnel Inet

Value—IP address

<service-bundle> —Service bundle

Value—Text

<session-id> —Session id

Value—Text

<user-ip-address> —User ip address

Value—IP address

<virtual-router-name> —Device name

Value—Text

<vpn-id> —VPN Id

Value—Text

Style

brief

<interface-name>

<virtual-router-name>

detail

<broadcast-address>
<calling-station-id>
<if-alias>
<if-desc>
<if-index>
<interface-name>
<interface-speed>
<interface-type>
<ip-address>
<ip-mask>
<local-qos-profiles>
<local-tunnel-inet-address>
<mtu>
<nas-ip>
<nas-port>
<nas-port-id>
<ppp-login-name>
<remote-tunnel-inet-address>
<service-bundle>
<session-id>
<user-ip-address>
<virtual-router-name>
<vpn-id>

<dhcp-option>

Usage

```
<dhcp-option xmlns="http://xml.juniper.net/sdx/dhcp-option">  
  <value> value </value>  
</dhcp-option>
```

Contents

<value> —DHCP option

<dhcp-packet>

Usage

```
<dhcp-packet xmlns="http://xml.juniper.net/sdx/dhcp-packet">  
  <dhcp-option xmlns="http://xml.juniper.net/sdx/dhcp-option"> ... </dhcp-option>  
  <relay-agent-address> relay-agent-address </relay-agent-address>  
</dhcp-packet>
```

Contents

<dhcp-option>

Multiple tag: can occur zero or more times.

[dhcp-option](#)

<relay-agent-address> —Relay Agent address

<directory-statistics>

Usage

```
<directory-statistics xmlns="http://xml.juniper.net/sdx/directory-statistics">
  <number-service-profiles-read> number-service-profiles-read </number-service-profiles-read>
  <number-service-profiles-written> number-service-profiles-written </number-service-profiles-written>
  <number-services-read> number-services-read </number-services-read>
  <number-services-written> number-services-written </number-services-written>
  <number-users-read> number-users-read </number-users-read>
  <number-users-written> number-users-written </number-users-written>
</directory-statistics>
```

Contents

<number-service-profiles-read> —Subscriptions read

Value—Integer in the range -2147483648–2147483647

<number-service-profiles-written> —Subscriptions written

Value—Integer in the range -2147483648–2147483647

<number-services-read> —Services read

Value—Integer in the range -2147483648–2147483647

<number-services-written> —Services written

Value—Integer in the range -2147483648–2147483647

<number-users-read> —Users read

Value—Integer in the range -2147483648–2147483647

<number-users-written> —Users written

Value—Integer in the range -2147483648–2147483647

<dmi-router-driver>

Usage

```
<dmi-router-driver xmlns="http://xml.juniper.net/sdx/dmi-router-driver">
  <class-name> class-name </class-name>
  <driver-role> driver-role </driver-role>
  <job-queue-size> job-queue-size </job-queue-size>
  <local-ip> local-ip </local-ip>
  <number-active-service-session> number-active-service-session </number-active-service-session>
  <number-active-user-session> number-active-user-session </number-active-user-session>
  <number-of-notifications> number-of-notifications </number-of-notifications>
  <number-of-pap> number-of-pap </number-of-pap>
  <number-of-processed-added> number-of-processed-added </number-of-processed-added>
  <number-of-processed-changed> number-of-processed-changed </number-of-processed-changed>
  <number-of-processed-deleted> number-of-processed-deleted </number-of-processed-deleted>
  <number-of-provisioning-attempt> number-of-provisioning-attempt </number-of-provisioning-attempt>
  <number-of-provisioning-attempt-failed> number-of-provisioning-attempt-failed </number-of-provisioning-attempt-failed>
  <number-of-sap> number-of-sap </number-of-sap>
  <router-ip> router-ip </router-ip>
  <router-name> router-name </router-name>
  <router-type> router-type </router-type>
  <router-version> router-version </router-version>
  <session-store-details xmlns="http://xml.juniper.net/sdx/session-store-details"> ... </session-store-details>
  <start-time> start-time </start-time>
  <transport-router> transport-router </transport-router>
</dmi-router-driver>
```

Contents

<class-name> —Device driver

Value—Text

<driver-role> —Device role

Value—Text

<job-queue-size> —Job queue size

Value—Integer in the range -2147483648–2147483647

<local-ip> —Local IP

Value—Text

<number-active-service-session> —Number of active service sessions

Value—Integer in the range -2147483648–2147483647

<number-active-user-session> —Number of active user sessions

Value—Integer in the range -2147483648–2147483647

<number-of-notifications> —Number of notifications

Value—Integer in the range -2147483648–2147483647

<number-of-pap> —Number of PAP

Value—Integer in the range -2147483648–2147483647

<number-of-processed-added> —Number of processed added

Value—Integer in the range -2147483648–2147483647

<number-of-processed-changed> —Number of processed changed

Value—Integer in the range -2147483648–2147483647

<number-of-processed-deleted> —Number of processed deleted

Value—Integer in the range -2147483648–2147483647

<number-of-provisioning-attempt> —Number of provisioning attempt

Value—Integer in the range -2147483648–2147483647

<number-of-provisioning-attempt-failed> —Number of provisioning attempt failed

Value—Integer in the range -2147483648–2147483647

<number-of-sap> —Number of SAP

Value—Integer in the range -2147483648–2147483647

<router-ip> —Device IP

Value—Text

<router-name> —Device name

Value—Text

<router-type> —Device type

Value—Text

<router-version> —Device version

Value—Text

<session-store-details> —SessionStoreDetails

[session-store-details](#)

<start-time> —Start time

Value—Text

<transport-router> —TransportRouter

Value—Text

Style

brief

<router-name>

detail

<class-name>
<driver-role>
<job-queue-size>
<local-ip>
<number-active-service-session>
<number-active-user-session>
<number-of-notifications>
<number-of-pap>
<number-of-processed-added>
<number-of-processed-changed>
<number-of-processed-deleted>
<number-of-provisioning-attempt>
<number-of-provisioning-attempt-failed>

<number-of-sap>
<router-ip>
<router-name>
<router-type>
<router-version>
<session-store-details>
<start-time>
<transport-router>

<floating-context>

Usage

```
<floating-context xmlns="http://xml.juniper.net/sdx/floating-context">  
  <num-provisioning-objects-left-to-collect> num-provisioning-objects-left-to-collect </num-provisioning-objects-  
left-to-collect>  
  <session-factory xmlns="http://xml.juniper.net/sdx/session-factory"> ... </session-factory>  
  <total-num-provisioning-objects-to-collect> total-num-provisioning-objects-to-collect </total-num-provisioning-  
objects-to-collect>  
</floating-context>
```

Contents

<num-provisioning-objects-left-to-collect> —Number of provisioning objects left to collect

Value—Integer in the range -2147483648–2147483647

<session-factory> —SessionFactory

[session-factory](#)

<total-num-provisioning-objects-to-collect> —Total number of provisioning objects to collect

Value—Integer in the range -2147483648–2147483647

<generic>

Usage

```
<generic xmlns="http://xml.juniper.net/sdx/generic">  
  <generic-class> generic-class </generic-class>  
</generic>
```

Contents

<generic-class>

<hotstandby-info>

Usage

```
<hotstandby-info xmlns="http://xml.juniper.net/sdx/hotstandby-info">  
  <primary-hotstandby-info xmlns="http://xml.juniper.net/sdx/primary-hotstandby-info"> ... </primary-hotstandby-  
info>  
    <role> role </role>  
    <secondary-hotstandby-info xmlns="http://xml.juniper.net/sdx/secondary-hotstandby-info"> ... </secondary-  
hotstandby-info>  
</hotstandby-info>
```

Contents

<primary-hotstandby-info>

[primary-hotstandby-info](#)

<role> —Device role

<secondary-hotstandby-info>

[secondary-hotstandby-info](#)

<interface-classification-context>

Usage

```
<interface-classification-context xmlns="http://xml.juniper.net/sdx/interface-classification-context">  
  <default-ICC xmlns="http://xml.juniper.net/sdx/default-ICC"> ... </default-ICC>  
</interface-classification-context>
```

Contents

<default-ICC>

[default-ICC](#)

<interfaces>

Usage

```
<interfaces xmlns="http://xml.juniper.net/sdx/interfaces">  
  <service-activation-point xmlns="http://xml.juniper.net/sdx/service-activation-point"> ... </service-activation-point>  
</interfaces>
```

Contents

<service-activation-point>

Multiple tag: can occur zero or more times.
[service-activation-point](#)

Style

brief

<service-activation-point>

detail

<service-activation-point>

<job-queue>

Usage

```
<job-queue xmlns="http://xml.juniper.net/sdx/job-queue">
  <age> age </age>
  <avg-job-time> avg-job-time </avg-job-time>
  <number-jobs-dequeued> number-jobs-dequeued </number-jobs-dequeued>
  <number-jobs-queued> number-jobs-queued </number-jobs-queued>
  <size> size </size>
</job-queue>
```

Contents

<age> —Age (ms)

Value—Integer in the range -9223372036854775808–9223372036854775807

<avg-job-time> —Average job time (ms)

Value—Integer in the range -9223372036854775808–9223372036854775807

<number-jobs-dequeued> —Total dequeued

Value—Integer in the range -2147483648–2147483647

<number-jobs-queued> —Total enqueued

Value—Integer in the range -2147483648–2147483647

<size> —Size

Value—Integer in the range -2147483648–2147483647

<junos-e-XDR-router-driver>

Usage

```
<junos-e-XDR-router-driver xmlns="http://xml.juniper.net/sdx/junos-e-XDR-router-driver">
  <XDR-state-synchronizer xmlns="http://xml.juniper.net/sdx/XDR-state-synchronizer"> ... </XDR-state-synchronizer>
  <floating-context xmlns="http://xml.juniper.net/sdx/floating-context"> ... </floating-context>
  <number-active-service-session> number-active-service-session </number-active-service-session>
  <number-active-user-session> number-active-user-session </number-active-user-session>
</junos-e-XDR-router-driver>
```

Contents

<XDR-state-synchronizer>

[XDR-state-synchronizer](#)

<floating-context>

[floating-context](#)

<number-active-service-session> —Number of active service sessions

Value—Integer in the range -2147483648–2147483647

<number-active-user-session> —Number of active user sessions

Value—Integer in the range -2147483648–2147483647

<junos-e-base-driver>

Usage

```
<junos-e-base-driver xmlns="http://xml.juniper.net/sdx/junos-e-base-driver">
  <dormant-device-timeout> dormant-device-timeout </dormant-device-timeout>
  <is-dormant> is-dormant </is-dormant>
  <job-queue xmlns="http://xml.juniper.net/sdx/job-queue"> ... </job-queue>
  <junos-e-XDR-router-driver xmlns="http://xml.juniper.net/sdx/junos-e-XDR-router-driver"> ... </junos-e-XDR-
router-driver>
  <junos-e-router-driver xmlns="http://xml.juniper.net/sdx/junos-e-router-driver"> ... </junos-e-router-driver>
  <local-ip> local-ip </local-ip>
  <number-active-service-session> number-active-service-session </number-active-service-session>
  <number-active-user-session> number-active-user-session </number-active-user-session>
  <number-of-interface-added> number-of-interface-added </number-of-interface-added>
  <number-of-interface-changed> number-of-interface-changed </number-of-interface-changed>
  <number-of-interface-deleted> number-of-interface-deleted </number-of-interface-deleted>
  <number-of-notifications> number-of-notifications </number-of-notifications>
  <number-of-outstanding-decisions> number-of-outstanding-decisions </number-of-outstanding-decisions>
  <number-of-pap> number-of-pap </number-of-pap>
  <number-of-provisioning-attempt> number-of-provisioning-attempt </number-of-provisioning-attempt>
  <number-of-provisioning-attempt-failed> number-of-provisioning-attempt-failed </number-of-provisioning-
attempt-failed>
  <number-of-sap> number-of-sap </number-of-sap>
  <router-ip> router-ip </router-ip>
  <router-name> router-name </router-name>
  <router-type> router-type </router-type>
  <router-version> router-version </router-version>
  <session-store-details xmlns="http://xml.juniper.net/sdx/session-store-details"> ... </session-store-details>
  <start-time> start-time </start-time>
  <transport-router> transport-router </transport-router>
</junos-e-base-driver>
```

Contents

<dormant-device-timeout> —Cached driver expiration

Value—Integer in the range -2147483648–2147483647

<is-dormant> —Device is dormant

Value—Boolean

<job-queue> —Job Queue

[job-queue](#)

<junos-e-XDR-router-driver>

[junos-e-XDR-router-driver](#)

<junos-e-router-driver>

[junos-e-router-driver](#)

<local-ip> —Local IP

Value—Text

<number-active-service-session> —Number of active service sessions

Value—Integer in the range -2147483648–2147483647

<number-active-user-session> —Number of active user sessions

Value—Integer in the range -2147483648–2147483647

<number-of-interface-added> —Number of processed added

Value—Integer in the range -2147483648–2147483647

<number-of-interface-changed> —Number of processed changed

Value—Integer in the range -2147483648–2147483647

<number-of-interface-deleted> —Number of processed deleted

Value—Integer in the range -2147483648–2147483647

<number-of-notifications> —Number of notifications

Value—Integer in the range -2147483648–2147483647

<number-of-outstanding-decisions> —Number of outstanding decisions

Value—Integer in the range -2147483648–2147483647

<number-of-pap> —Number of PAP

Value—Integer in the range -2147483648–2147483647

<number-of-provisioning-attempt> —Number of provisioning attempt

Value—Integer in the range -2147483648–2147483647

<number-of-provisioning-attempt-failed> —Number of provisioning attempt failed

Value—Integer in the range -2147483648–2147483647

<number-of-sap> —Number of SAP

Value—Integer in the range -2147483648–2147483647

<router-ip> —Device IP

Value—Text

<router-name> —Device name

Value—Text

<router-type> —Device type

Value—Text

<router-version> —Device version

Value—Text

<session-store-details> —SessionStoreDetails

[session-store-details](#)

<start-time> —Start time

Value—Text

<transport-router> —TransportRouter

Value—Text

Style

brief

<router-name>

detail

<dormant-device-timeout>
<is-dormant>
<job-queue>
<junos-e-XDR-router-driver>
<junos-e-router-driver>
<local-ip>
<number-active-service-session>
<number-active-user-session>
<number-of-interface-added>
<number-of-interface-changed>
<number-of-interface-deleted>
<number-of-notifications>
<number-of-outstanding-decisions>
<number-of-pap>
<number-of-provisioning-attempt>
<number-of-provisioning-attempt-failed>
<number-of-sap>
<router-ip>
<router-name>
<router-type>
<router-version>
<session-store-details>
<start-time>
<transport-router>

<junos-e-router-driver>

Usage

```
<junos-e-router-driver xmlns="http://xml.juniper.net/sdx/junos-e-router-driver">  
  <hotstandby-info xmlns="http://xml.juniper.net/sdx/hotstandby-info"> ... </hotstandby-info>  
  <policy-shared-ctx xmlns="http://xml.juniper.net/sdx/policy-shared-ctx"> ... </policy-shared-ctx>  
  <state-synchronizer xmlns="http://xml.juniper.net/sdx/state-synchronizer"> ... </state-synchronizer>  
</junos-e-router-driver>
```

Contents

<hotstandby-info>

[hotstandby-info](#)

<policy-shared-ctx>

[policy-shared-ctx](#)

<state-synchronizer>

[state-synchronizer](#)

<junos-e-sap>

Usage

```
<junos-e-sap xmlns="http://xml.juniper.net/sdx/junos-e-sap">
  <interface-classification-context xmlns="http://xml.juniper.net/sdx/interface-classification-context"> ...
</interface-classification-context>
  <provisioning-set xmlns="http://xml.juniper.net/sdx/provisioning-set"> ... </provisioning-set>
  <router-name> router-name </router-name>
  <user-session xmlns="http://xml.juniper.net/sdx/user-session"> ... </user-session>
</junos-e-sap>
```

Contents

<interface-classification-context>

[interface-classification-context](#)

<provisioning-set>

Multiple tag: can occur zero or more times.

[provisioning-set](#)

<router-name> —Device name

Value—Text

<user-session>

Multiple tag: can occur zero or more times.

[user-session](#)

Style

brief

<interface-classification-context>

detail

<interface-classification-context>

<provisioning-set>

<user-session>

<junos-router-driver>

Usage

```
<junos-router-driver xmlns="http://xml.juniper.net/sdx/junos-router-driver">
  <class-name> class-name </class-name>
  <job-queue-size> job-queue-size </job-queue-size>
  <local-ip> local-ip </local-ip>
  <number-active-service-session> number-active-service-session </number-active-service-session>
  <number-active-user-session> number-active-user-session </number-active-user-session>
  <number-of-notifications> number-of-notifications </number-of-notifications>
  <number-of-pap> number-of-pap </number-of-pap>
  <number-of-processed-added> number-of-processed-added </number-of-processed-added>
  <number-of-processed-changed> number-of-processed-changed </number-of-processed-changed>
  <number-of-processed-deleted> number-of-processed-deleted </number-of-processed-deleted>
  <number-of-provisioning-attempt> number-of-provisioning-attempt </number-of-provisioning-attempt>
  <number-of-provisioning-attempt-failed> number-of-provisioning-attempt-failed </number-of-provisioning-attempt-failed>
  <number-of-sap> number-of-sap </number-of-sap>
  <router-ip> router-ip </router-ip>
  <router-name> router-name </router-name>
  <router-type> router-type </router-type>
  <router-version> router-version </router-version>
  <session-store-details xmlns="http://xml.juniper.net/sdx/session-store-details"> ... </session-store-details>
  <start-time> start-time </start-time>
  <state-synchronizer xmlns="http://xml.juniper.net/sdx/state-synchronizer"> ... </state-synchronizer>
  <transaction-manager xmlns="http://xml.juniper.net/sdx/transaction-manager"> ... </transaction-manager>
  <transport-router> transport-router </transport-router>
</junos-router-driver>
```

Contents

<class-name> —Device type

Value—Text

<job-queue-size> —Job queue size

Value—Integer in the range -2147483648–2147483647

<local-ip> —Local IP

Value—Text

<number-active-service-session> —Number of active service sessions

Value—Integer in the range -2147483648–2147483647

<number-active-user-session> —Number of active user sessions

Value—Integer in the range -2147483648–2147483647

<number-of-notifications> —Number of notifications

Value—Integer in the range -2147483648–2147483647

<number-of-pap> —Number of PAP

Value—Integer in the range -2147483648–2147483647

<number-of-processed-added> —Number of processed added

Value—Integer in the range -2147483648–2147483647

<number-of-processed-changed> —Number of processed changed

Value—Integer in the range -2147483648–2147483647

<number-of-processed-deleted> —Number of processed deleted

Value—Integer in the range -2147483648–2147483647

<number-of-provisioning-attempt> —Number of provisioning attempt

Value—Integer in the range -2147483648–2147483647

<number-of-provisioning-attempt-failed> —Number of provisioning attempt failed

Value—Integer in the range -2147483648–2147483647

<number-of-sap> —Number of SAP

Value—Integer in the range -2147483648–2147483647

<router-ip> —Device IP

Value—Text

<router-name> —Device name

Value—Text

<router-type> —Device type

Value—Text

<router-version> —Device version

Value—Text

<session-store-details> —SessionStoreDetails

[session-store-details](#)

<start-time> —Start time

Value—Text

<state-synchronizer>

[state-synchronizer](#)

<transaction-manager>

[transaction-manager](#)

<transport-router> —TransportRouter

Value—Text

Style

brief

<router-name>

detail

<class-name>

<job-queue-size>

<local-ip>

<number-active-service-session>

<number-active-user-session>

<number-of-notifications>

<number-of-pap>

<number-of-processed-added>
<number-of-processed-changed>
<number-of-processed-deleted>
<number-of-provisioning-attempt>
<number-of-provisioning-attempt-failed>
<number-of-sap>
<router-ip>
<router-name>
<router-type>
<router-version>
<session-store-details>
<start-time>
<state-synchronizer>
<transaction-manager>
<transport-router>

<junos-service-activation-point>

Usage

```
<junos-service-activation-point xmlns="http://xml.juniper.net/sdx/junos-service-activation-point">
  <interface-classification-context xmlns="http://xml.juniper.net/sdx/interface-classification-context"> ...
</interface-classification-context>
  <provisioning-set xmlns="http://xml.juniper.net/sdx/provisioning-set"> ... </provisioning-set>
  <router-name> router-name </router-name>
  <user-session xmlns="http://xml.juniper.net/sdx/user-session"> ... </user-session>
</junos-service-activation-point>
```

Contents

<interface-classification-context>

[interface-classification-context](#)

<provisioning-set>

[provisioning-set](#)

<router-name> —Device name

Value—Text

<user-session>

Multiple tag: can occur zero or more times.

[user-session](#)

Style

brief

<interface-classification-context>

detail

<interface-classification-context>

<provisioning-set>

<user-session>

<license-client-statistics>

Usage

```
<license-client-statistics xmlns="http://xml.juniper.net/sdx/license-client-statistics">
  <application-type> application-type </application-type>
  <id> id </id>
  <last-request-time> last-request-time </last-request-time>
  <lease-expire-time> lease-expire-time </lease-expire-time>
  <licenses> licenses </licenses>
  <requests> requests </requests>
  <requests-denied> requests-denied </requests-denied>
  <server> server </server>
  <status> status </status>
</license-client-statistics>
```

Contents

<application-type> —Application type

Value—Integer in the range -9223372036854775808–9223372036854775807

<id> —Application ID

Value—Integer in the range -9223372036854775808–9223372036854775807

<last-request-time> —Last request time

Value—Text

<lease-expire-time> —Lease expire time

Value—Text

<licenses> —Licenses

Value—Integer in the range -9223372036854775808–9223372036854775807

<requests> —Number of requests

Value—Integer in the range -9223372036854775808–9223372036854775807

<requests-denied> —Number of request denied

Value—Integer in the range -9223372036854775808–9223372036854775807

<server> —Server

<status> —Status

<license-manager>

Usage

```
<license-manager xmlns="http://xml.juniper.net/sdx/license-manager">
  <expiry-date> expiry-date </expiry-date>
  <lic-mode-str> lic-mode-str </lic-mode-str>
  <license-server-state> license-server-state </license-server-state>
  <num-licensed-service-session> num-licensed-service-session </num-licensed-service-session>
  <number-current-users> number-current-users </number-current-users>
  <number-licensed-users> number-licensed-users </number-licensed-users>
</license-manager>
```

Contents

<expiry-date> —Expiry

Value—Text

<lic-mode-str> —Mode

Value—Text

<license-server-state> —License server is available

Value—Boolean

<num-licensed-service-session> —Number of licensed service session

Value—Integer in the range -9223372036854775808–9223372036854775807

<number-current-users> —Number of current users

Value—Integer in the range -9223372036854775808–9223372036854775807

<number-licensed-users> —Number of licensed users

Value—Integer in the range -9223372036854775808–9223372036854775807

Style

client

<lic-mode-str>
<license-server-state>
<num-licensed-service-session>

obsolete

<lic-mode-str>

pilot

<expiry-date>
<lic-mode-str>
<number-current-users>
<number-licensed-users>

<licenses>

Usage

```
<licenses xmlns="http://xml.juniper.net/sdx/licenses">  
  <SAE-license xmlns="http://xml.juniper.net/sdx/SAE-license"> ... </SAE-license>  
</licenses>
```

Contents

<SAE-license>

Multiple tag: can occur zero or more times.

[SAE-license](#)

Style

brief

<SAE-license>

detail

<SAE-license>

<mac-cache-data>

Usage

```
<mac-cache-data xmlns="http://xml.juniper.net/sdx/mac-cache-data">
  <auth-profile xmlns="http://xml.juniper.net/sdx/auth-profile"> ... </auth-profile>
  <intf-name> intf-name </intf-name>
  <mac-address> mac-address </mac-address>
  <persistent-login-profile xmlns="http://xml.juniper.net/sdx/persistent-login-profile"> ... </persistent-login-profile>
  <vr-name> vr-name </vr-name>
</mac-cache-data>
```

Contents

<auth-profile>

[auth-profile](#)

<intf-name> —Interface name

Value—Text

<mac-address> —Mac address

Value—Text

<persistent-login-profile>

[persistent-login-profile](#)

<vr-name> —Vr name

Value—Text

Style

brief

<mac-address>

detail

<auth-profile>

<intf-name>

<mac-address>
<persistent-login-profile>
<vr-name>

<message-queue>

Usage

```
<message-queue xmlns="http://xml.juniper.net/sdx/message-queue">  
  <number-replicated-messages> number-replicated-messages </number-replicated-messages>  
  <size> size </size>  
</message-queue>
```

Contents

<number-replicated-messages> —Number of replicated messages

Value—Integer in the range -2147483648–2147483647

<size> —Number of messages in send queue

Value—Integer in the range -2147483648–2147483647

<pcmm-SAP>

Usage

```
<pcmm-SAP xmlns="http://xml.juniper.net/sdx/pcmm-SAP">
  <interface-classification-context xmlns="http://xml.juniper.net/sdx/interface-classification-context"> ...
</interface-classification-context>
  <provisioning-set xmlns="http://xml.juniper.net/sdx/provisioning-set"> ... </provisioning-set>
  <router-name> router-name </router-name>
  <user-session xmlns="http://xml.juniper.net/sdx/user-session"> ... </user-session>
</pcmm-SAP>
```

Contents

<interface-classification-context>

[interface-classification-context](#)

<provisioning-set>

[provisioning-set](#)

<router-name> —Device name

Value—Text

<user-session>

Multiple tag: can occur zero or more times.

[user-session](#)

Style

brief

<interface-classification-context>

detail

<interface-classification-context>

<provisioning-set>

<user-session>

<pcmm-router-driver>

Usage

```
<pcmm-router-driver xmlns="http://xml.juniper.net/sdx/pcmm-router-driver">
  <cmts-name> cmts-name </cmts-name>
  <local-ip> local-ip </local-ip>
  <number-active-service-session> number-active-service-session </number-active-service-session>
  <number-active-user-session> number-active-user-session </number-active-user-session>
  <number-of-pap> number-of-pap </number-of-pap>
  <number-of-sap> number-of-sap </number-of-sap>
  <pdp-group-name> pdp-group-name </pdp-group-name>
  <pdp-ip> pdp-ip </pdp-ip>
  <router-ip> router-ip </router-ip>
  <router-type> router-type </router-type>
  <router-version> router-version </router-version>
  <session-store-details xmlns="http://xml.juniper.net/sdx/session-store-details"> ... </session-store-details>
  <start-time> start-time </start-time>
  <transport-router> transport-router </transport-router>
</pcmm-router-driver>
```

Contents

<cmts-name> —CMTS name

Value—Text

<local-ip> —Local IP

Value—Text

<number-active-service-session> —Number of active service sessions

Value—Integer in the range -2147483648–2147483647

<number-active-user-session> —Number of active user sessions

Value—Integer in the range -2147483648–2147483647

<number-of-pap> —Number of PAP

Value—Integer in the range -2147483648–2147483647

<number-of-sap> —Number of SAP

Value—Integer in the range -2147483648–2147483647

<pdp-group-name> —PDP Group name

Value—Text

<pdp-ip> —Policy Decision Point IP

Value—Text

<router-ip> —Device IP

Value—Text

<router-type> —Device type

Value—Text

<router-version> —Device version

Value—Text

<session-store-details> —SessionStoreDetails

[session-store-details](#)

<start-time> —Start time

Value—Text

<transport-router> —TransportRouter

Value—Text

Style

brief

<pdp-group-name>

detail

<cmts-name>

<local-ip>

<number-active-service-session>
<number-active-user-session>
<number-of-pap>
<number-of-sap>
<pdp-group-name>
<pdp-ip>
<router-ip>
<router-type>
<router-version>
<session-store-details>
<start-time>
<transport-router>

<persistent-login-profile>

Usage

```
<persistent-login-profile xmlns="http://xml.juniper.net/sdx/persistent-login-profile">  
  <auto-subscriptions> auto-subscriptions </auto-subscriptions>  
  <descr> descr </descr>  
  <load-subscriptions> load-subscriptions </load-subscriptions>  
  <login-name> login-name </login-name>  
  <user-dn> user-dn </user-dn>  
  <user-password> user-password </user-password>  
</persistent-login-profile>
```

Contents

<auto-subscriptions> —AutoSubscriptions

Value—Text

<descr> —Description

Value—Text

<load-subscriptions> —LoadSubscriptions

Value—Text

<login-name> —User login name

Value—Text

<user-dn> —User DN

Value—Text

<user-password> —User password

Value—Text

<policy-management-statistics>

Usage

```
<policy-management-statistics xmlns="http://xml.juniper.net/sdx/policy-management-statistics">
  <average-time-interface-classifier-modifications> average-time-interface-classifier-modifications </average-time-
interface-classifier-modifications>
  <average-time-policy-group-modifications> average-time-policy-group-modifications </average-time-policy-
group-modifications>
  <number-default-policy-decisions> number-default-policy-decisions </number-default-policy-decisions>
  <number-errors> number-errors </number-errors>
  <number-interface-classifier-modifications> number-interface-classifier-modifications </number-interface-
classifier-modifications>
  <number-policy-group-modifications> number-policy-group-modifications </number-policy-group-modifications>
  <number-policy-groups-loaded> number-policy-groups-loaded </number-policy-groups-loaded>
  <number-service-policy-decisions> number-service-policy-decisions </number-service-policy-decisions>
  <pdp-label> pdp-label </pdp-label>
  <pe-label> pe-label </pe-label>
  <sor-label> sor-label </sor-label>
</policy-management-statistics>
```

Contents

<average-time-interface-classifier-modifications> —Average time for processing interface classifier modification

Value—Integer in the range -2147483648–2147483647

<average-time-policy-group-modifications> —Average time for processing policy group modification

Value—Integer in the range -2147483648–2147483647

<number-default-policy-decisions> —Total number of default policy decisions

Value—Integer in the range -2147483648–2147483647

<number-errors> —Total number of errors

Value—Integer in the range -2147483648–2147483647

<number-interface-classifier-modifications> —Total number of interface classifier modifications

Value—Integer in the range -2147483648–2147483647

<number-policy-group-modifications> —Total number of policy group modifications

Value—Integer in the range -2147483648–2147483647

<number-policy-groups-loaded> —Current total number of policy groups loaded

Value—Integer in the range -2147483648–2147483647

<number-service-policy-decisions> —Total number of service policy decisions

Value—Integer in the range -2147483648–2147483647

<pdp-label> —Policy Management Type

<pe-label> —Policy Management Type

<sor-label> —Policy Management Type

<policy-shared-ctx>

Usage

```
<policy-shared-ctx xmlns="http://xml.juniper.net/sdx/policy-shared-ctx">  
  <num-provisioning-objects-left-to-collect> num-provisioning-objects-left-to-collect </num-provisioning-objects-left-to-collect>  
  <session-factory xmlns="http://xml.juniper.net/sdx/session-factory"> ... </session-factory>  
  <total-num-provisioning-objects-to-collect> total-num-provisioning-objects-to-collect </total-num-provisioning-objects-to-collect>  
</policy-shared-ctx>
```

Contents

<num-provisioning-objects-left-to-collect> —Number of provisioning objects left to collect

Value—Integer in the range -2147483648–2147483647

<session-factory> —SessionFactory

[session-factory](#)

<total-num-provisioning-objects-to-collect> —Total number of provisioning objects to collect

Value—Integer in the range -2147483648–2147483647

<primary-hotstandby-info>

Usage

```
<primary-hotstandby-info xmlns="http://xml.juniper.net/sdx/primary-hotstandby-info">  
  <connection-time> connection-time </connection-time>  
  <replicator xmlns="http://xml.juniper.net/sdx/replicator"> ... </replicator>  
  <secondary-address> secondary-address </secondary-address>  
  <secondary-state> secondary-state </secondary-state>  
</primary-hotstandby-info>
```

Contents

<connection-time> —Hot-standby connection time

Value—Text

<replicator>

[replicator](#)

<secondary-address> —Hot-standby secondary address

<secondary-state> —Hot-standby secondary state

<process-statistics>

Usage

```
<process-statistics xmlns="http://xml.juniper.net/sdx/process-statistics">  
  <heap> heap </heap>  
  <heap-limit> heap-limit </heap-limit>  
  <number-threads> number-threads </number-threads>  
  <up-time> up-time </up-time>  
</process-statistics>
```

Contents

<heap> —Heap in use

<heap-limit> —Heap limit

<number-threads> —Threads

Value—Integer in the range -2147483648–2147483647

<up-time> —Up time

<radius-client-statistics>

Usage

```
<radius-client-statistics xmlns="http://xml.juniper.net/sdx/radius-client-statistics">
  <acc-client-bad-authenticators> acc-client-bad-authenticators </acc-client-bad-authenticators>
  <acc-client-malformed-responses> acc-client-malformed-responses </acc-client-malformed-responses>
  <acc-client-packets-dropped> acc-client-packets-dropped </acc-client-packets-dropped>
  <acc-client-pending-requests> acc-client-pending-requests </acc-client-pending-requests>
  <acc-client-requests> acc-client-requests </acc-client-requests>
  <acc-client-responses> acc-client-responses </acc-client-responses>
  <acc-client-retransmissions> acc-client-retransmissions </acc-client-retransmissions>
  <acc-client-round-trip-time> acc-client-round-trip-time </acc-client-round-trip-time>
  <acc-client-timeouts> acc-client-timeouts </acc-client-timeouts>
  <acc-client-unknown-types> acc-client-unknown-types </acc-client-unknown-types>
  <acc-ip-and-port> acc-ip-and-port </acc-ip-and-port>
  <auth-client-access-accepts> auth-client-access-accepts </auth-client-access-accepts>
  <auth-client-access-challenges> auth-client-access-challenges </auth-client-access-challenges>
  <auth-client-access-rejects> auth-client-access-rejects </auth-client-access-rejects>
  <auth-client-access-requests> auth-client-access-requests </auth-client-access-requests>
  <auth-client-access-retransmissions> auth-client-access-retransmissions </auth-client-access-retransmissions>
  <auth-client-bad-authenticators> auth-client-bad-authenticators </auth-client-bad-authenticators>
  <auth-client-malformed-access-responses> auth-client-malformed-access-responses </auth-client-malformed-
access-responses>
  <auth-client-packets-dropped> auth-client-packets-dropped </auth-client-packets-dropped>
  <auth-client-pending-requests> auth-client-pending-requests </auth-client-pending-requests>
  <auth-client-round-trip-time> auth-client-round-trip-time </auth-client-round-trip-time>
  <auth-client-timeouts> auth-client-timeouts </auth-client-timeouts>
  <auth-client-unknown-types> auth-client-unknown-types </auth-client-unknown-types>
  <auth-ip-and-port> auth-ip-and-port </auth-ip-and-port>
</radius-client-statistics>
```

Contents

<acc-client-bad-authenticators> —Bad authenticator responses

<acc-client-malformed-responses> —Malformed responses

<acc-client-packets-dropped> —Dropped responses

<acc-client-pending-requests> —Pending requests

<acc-client-requests> —Requests

<acc-client-responses> —Responses

<acc-client-retransmissions> —Retransmissions

<acc-client-round-trip-time> —Round trip time (rolling average)

<acc-client-timeouts> —Timeouts

<acc-client-unknown-types> —Unknown type responses

<acc-ip-and-port> —Server IP and port

<auth-client-access-accepts> —Accept responses

<auth-client-access-challenges> —Challenge responses

<auth-client-access-rejects> —Reject responses

<auth-client-access-requests> —Access requests

<auth-client-access-retransmissions> —Retransmissions

<auth-client-bad-authenticators> —Bad authenticator responses

<auth-client-malformed-access-responses> —Malformed responses

<auth-client-packets-dropped> —Dropped responses

<auth-client-pending-requests> —Pending requests

<auth-client-round-trip-time> —Round trip time (rolling average)

<auth-client-timeouts> —Timeouts

<auth-client-unknown-types> —Unknown type responses

<auth-ip-and-port> —Server IP and port

Style

brief

<acc-ip-and-port>
<auth-ip-and-port>

detail

<acc-client-bad-authenticators>
<acc-client-malformed-responses>
<acc-client-packets-dropped>
<acc-client-pending-requests>
<acc-client-requests>
<acc-client-responses>
<acc-client-retransmissions>
<acc-client-round-trip-time>
<acc-client-timeouts>
<acc-client-unknown-types>
<acc-ip-and-port>
<auth-client-access-accepts>
<auth-client-access-challenges>
<auth-client-access-rejects>
<auth-client-access-requests>
<auth-client-access-retransmissions>
<auth-client-bad-authenticators>
<auth-client-malformed-access-responses>
<auth-client-packets-dropped>
<auth-client-pending-requests>
<auth-client-round-trip-time>
<auth-client-timeouts>
<auth-client-unknown-types>
<auth-ip-and-port>

<radius-statistics>

Usage

```
<radius-statistics xmlns="http://xml.juniper.net/sdx/radius-statistics">  
  <radius-acc-client-invalid-server-addresses> radius-acc-client-invalid-server-addresses </radius-acc-client-  
invalid-server-addresses>  
  <radius-auth-client-invalid-server-addresses> radius-auth-client-invalid-server-addresses </radius-auth-client-  
invalid-server-addresses>  
  <radius-client-identifier> radius-client-identifier </radius-client-identifier>  
</radius-statistics>
```

Contents

<radius-acc-client-invalid-server-addresses> —Accounting ACKs from unrecognized IP

Value—Integer in the range -2147483648–2147483647

<radius-auth-client-invalid-server-addresses> —Authentication ACKs from unrecognized IP

Value—Integer in the range -2147483648–2147483647

<radius-client-identifier> —Radius client ID

<registrations>

Usage

```
<registrations xmlns="http://xml.juniper.net/sdx/registrations">  
  <mac-cache-data xmlns="http://xml.juniper.net/sdx/mac-cache-data"> ... </mac-cache-data>  
</registrations>
```

Contents

<mac-cache-data>

Multiple tag: can occur zero or more times.

[mac-cache-data](#)

Style

brief

<mac-cache-data>

detail

<mac-cache-data>

<replicator>

Usage

```
<replicator xmlns="http://xml.juniper.net/sdx/replicator">  
  <is-reliable-replication> is-reliable-replication </is-reliable-replication>  
  <message-queue xmlns="http://xml.juniper.net/sdx/message-queue"> ... </message-queue>  
</replicator>
```

Contents

<is-reliable-replication> —Reliable replication mode

Value—Boolean

<message-queue>

[message-queue](#)

<router-common-statistics>

Usage

```
<router-common-statistics xmlns="http://xml.juniper.net/sdx/router-common-statistics">
  <number-close-requests> number-close-requests </number-close-requests>
  <number-connections-accepted> number-connections-accepted </number-connections-accepted>
  <number-current-connections> number-current-connections </number-current-connections>
  <number-open-requests> number-open-requests </number-open-requests>
  <server-address> server-address </server-address>
  <server-port> server-port </server-port>
  <time-since-last-redirect> time-since-last-redirect </time-since-last-redirect>
  <type-str> type-str </type-str>
</router-common-statistics>
```

Contents

<number-close-requests> —Number of close requests

Value—Integer in the range -2147483648–2147483647

<number-connections-accepted> —Number of connections accepted

Value—Integer in the range -2147483648–2147483647

<number-current-connections> —Number of current connections

Value—Integer in the range -2147483648–2147483647

<number-open-requests> —Number of open requests

Value—Integer in the range -2147483648–2147483647

<server-address> —Server address

<server-port> —Server port

Value—Integer in the range -2147483648–2147483647

<time-since-last-redirect> —Time since last redirect

Value—Integer in the range -2147483648–2147483647

<type-str> —Driver type

<router-driver>

Usage

```
<router-driver xmlns="http://xml.juniper.net/sdx/router-driver">
  <AAA-router-driver xmlns="http://xml.juniper.net/sdx/AAA-router-driver"> ... </AAA-router-driver>
  <ISE-router-driver xmlns="http://xml.juniper.net/sdx/ISE-router-driver"> ... </ISE-router-driver>
  <dmi-router-driver xmlns="http://xml.juniper.net/sdx/dmi-router-driver"> ... </dmi-router-driver>
  <junos-e-base-driver xmlns="http://xml.juniper.net/sdx/junos-e-base-driver"> ... </junos-e-base-driver>
  <junos-router-driver xmlns="http://xml.juniper.net/sdx/junos-router-driver"> ... </junos-router-driver>
  <pcmm-router-driver xmlns="http://xml.juniper.net/sdx/pcmm-router-driver"> ... </pcmm-router-driver>
  <role> role </role>
  <router-name> router-name </router-name>
  <router-type> router-type </router-type>
  <session-store-details xmlns="http://xml.juniper.net/sdx/session-store-details"> ... </session-store-details>
  <sim-router-driver xmlns="http://xml.juniper.net/sdx/sim-router-driver"> ... </sim-router-driver>
  <status> status </status>
</router-driver>
```

Contents

<AAA-router-driver>

[AAA-router-driver](#)

<ISE-router-driver>

[ISE-router-driver](#)

<dmi-router-driver>

[dmi-router-driver](#)

<junos-e-base-driver>

[junos-e-base-driver](#)

<junos-router-driver>

[junos-router-driver](#)

<pcmm-router-driver>

[pcmm-router-driver](#)

<role> —Device role

Value—Text

<router-name> —Device name

Value—Text

<router-type> —Device type

Value—Text

<session-store-details> —SessionStoreDetails

[session-store-details](#)

<sim-router-driver>

[sim-router-driver](#)

<status> —Device status

Value—Text

Style

brief

```
<role>
<router-name>
<router-type>
<session-store-details>
<status>
```

detail

```
<AAA-router-driver>
<ISE-router-driver>
<dmi-router-driver>
<junos-e-base-driver>
<junos-router-driver>
<pcmm-router-driver>
<sim-router-driver>
```

<router-statistics>

Usage

```
<router-statistics xmlns="http://xml.juniper.net/sdx/router-statistics">
  <add-notification-handle-time> add-notification-handle-time </add-notification-handle-time>
  <chg-notification-handle-time> chg-notification-handle-time </chg-notification-handle-time>
  <del-notification-handle-time> del-notification-handle-time </del-notification-handle-time>
  <fail-over-ip> fail-over-ip </fail-over-ip>
  <fail-over-port> fail-over-port </fail-over-port>
  <job-queue-age> job-queue-age </job-queue-age>
  <job-queue-time> job-queue-time </job-queue-time>
  <msg-handle-time> msg-handle-time </msg-handle-time>
  <name> name </name>
  <number-active-service-session> number-active-service-session </number-active-service-session>
  <number-active-user-session> number-active-user-session </number-active-user-session>
  <number-add-notification-recv> number-add-notification-recv </number-add-notification-recv>
  <number-chg-notification-recv> number-chg-notification-recv </number-chg-notification-recv>
  <number-del-notification-recv> number-del-notification-recv </number-del-notification-recv>
  <number-jobs-added> number-jobs-added </number-jobs-added>
  <number-jobs-removed> number-jobs-removed </number-jobs-removed>
  <number-managed-interfaces> number-managed-interfaces </number-managed-interfaces>
  <number-msg-errors> number-msg-errors </number-msg-errors>
  <number-msg-sent> number-msg-sent </number-msg-sent>
  <number-msg-timeouts> number-msg-timeouts </number-msg-timeouts>
  <number-unmanaged-interfaces> number-unmanaged-interfaces </number-unmanaged-interfaces>
  <number-user-sessions-established> number-user-sessions-established </number-user-sessions-established>
  <number-user-sessions-removed> number-user-sessions-removed </number-user-sessions-removed>
  <router-type> router-type </router-type>
  <up-time> up-time </up-time>
  <use-failover-server> use-failover-server </use-failover-server>
</router-statistics>
```

Contents

<add-notification-handle-time> —Add notification handle time

Value—Integer in the range -2147483648–2147483647

<chg-notification-handle-time> —Change notification handle time

Value—Integer in the range -2147483648–2147483647

<del-notification-handle-time> —Delete notification handle time

Value—Integer in the range -2147483648–2147483647

<fail-over-ip> —Failover IP

<fail-over-port> —Failover port

Value—Integer in the range -2147483648–2147483647

<job-queue-age> —Job queue age

Value—Integer in the range -2147483648–2147483647

<job-queue-time> —Job queue time

Value—Integer in the range -2147483648–2147483647

<msg-handle-time> —Handle message time

Value—Integer in the range -2147483648–2147483647

<name> —Client ID

<number-active-service-session> —Number of active service sessions

Value—Integer in the range -2147483648–2147483647

<number-active-user-session> —Number of active user sessions

Value—Integer in the range -2147483648–2147483647

<number-add-notification-recv> —Number of add notifications

Value—Integer in the range -2147483648–2147483647

<number-chg-notification-recv> —Number of change notifications

Value—Integer in the range -2147483648–2147483647

<number-del-notification-recv> —Number of delete notifications

Value—Integer in the range -2147483648–2147483647

<number-jobs-added> —Number of added jobs

Value—Integer in the range -2147483648–2147483647

<number-jobs-removed> —Number of removed jobs

Value—Integer in the range -2147483648–2147483647

<number-managed-interfaces> —Number of managed interfaces

Value—Integer in the range -2147483648–2147483647

<number-msg-errors> —Number of message errors

Value—Integer in the range -2147483648–2147483647

<number-msg-sent> —Number message send

Value—Integer in the range -2147483648–2147483647

<number-msg-timeouts> —Number of message timeouts

Value—Integer in the range -2147483648–2147483647

<number-unmanaged-interfaces> —Number of unmanaged interfaces

Value—Integer in the range -2147483648–2147483647

<number-user-sessions-established> —Number of user session established

Value—Integer in the range -2147483648–2147483647

<number-user-sessions-removed> —Number of user session removed

Value—Integer in the range -2147483648–2147483647

<router-type> —Device type

<up-time> —Up time

Value—Integer in the range -2147483648–2147483647

<use-failover-server> —Using failover server

Value—Boolean

Style

brief

<name>

detail

<add-notification-handle-time>
 <chg-notification-handle-time>
 <del-notification-handle-time>
 <fail-over-ip>
 <fail-over-port>
 <job-queue-age>
 <job-queue-time>
 <msg-handle-time>
 <name>
 <number-active-service-session>
 <number-active-user-session>
 <number-add-notification-recv>
 <number-chg-notification-recv>
 <number-del-notification-recv>
 <number-jobs-added>
 <number-jobs-removed>
 <number-managed-interfaces>
 <number-msg-errors>
 <number-msg-sent>
 <number-msg-timeouts>
 <number-unmanaged-interfaces>
 <number-user-sessions-established>
 <number-user-sessions-removed>
 <router-type>
 <up-time>
 <use-failover-server>

terse

<name>
 <number-managed-interfaces>
 <number-unmanaged-interfaces>
 <router-type>

<route<rs>

Usage

```
<route<rs xmlns="http://xml.juniper.net/sdx/route<rs">  
  <router-driver xmlns="http://xml.juniper.net/sdx/router-driver"> ... </router-driver>  
</route<rs>
```

Contents

<router-driver>

Multiple tag: can occur zero or more times.
[router-driver](#)

Style

brief

<router-driver>

detail

<router-driver>

<secondary-hotstandby-info>

Usage

```
<secondary-hotstandby-info xmlns="http://xml.juniper.net/sdx/secondary-hotstandby-info">  
  <initial-state-dump> initial-state-dump </initial-state-dump>  
</secondary-hotstandby-info>
```

Contents

<initial-state-dump> —Initial state dump status

<service>

Usage

```
<service xmlns="http://xml.juniper.net/sdx/service">
  <activation-errors> activation-errors </activation-errors>
  <activations> activations </activations>
  <attributes> attributes </attributes>
  <deactivations> deactivations </deactivations>
  <name> name </name>
  <num-currently-active> num-currently-active </num-currently-active>
</service>
```

Contents

<activation-errors> —Number of activation errors

Value—Integer in the range -2147483648–2147483647

<activations> —Number of activations

Value—Integer in the range -2147483648–2147483647

<attributes> —Service attributes

Value—Text

<deactivations> —Number of deactivations

Value—Integer in the range -2147483648–2147483647

<name> —service-name

Value—Text

<num-currently-active> —Number of currently active sessions

Value—Integer in the range -2147483648–2147483647

Style

brief

<name>
<num-currently-active>

detail

<activation-errors>
<activations>
<attributes>
<deactivations>
<name>
<num-currently-active>

<service-activation-point>

Usage

```
<service-activation-point xmlns="http://xml.juniper.net/sdx/service-activation-point">
  <interface-name> interface-name </interface-name>
  <junos-e-sap xmlns="http://xml.juniper.net/sdx/junos-e-sap"> ... </junos-e-sap>
  <junos-service-activation-point xmlns="http://xml.juniper.net/sdx/junos-service-activation-point"> ... </junos-
service-activation-point>
  <pcmm-SAP xmlns="http://xml.juniper.net/sdx/pcmm-SAP"> ... </pcmm-SAP>
  <router-name> router-name </router-name>
  <sim-SAP xmlns="http://xml.juniper.net/sdx/sim-SAP"> ... </sim-SAP>
</service-activation-point>
```

Contents

<interface-name> —Interface name

Value—Text

<junos-e-sap>

[junos-e-sap](#)

<junos-service-activation-point>

[junos-service-activation-point](#)

<pcmm-SAP>

[pcmm-SAP](#)

<router-name> —Device name

Value—Text

<sim-SAP>

[sim-SAP](#)

Style

brief

<interface-name>

<router-name>

detail

<junos-e-sap>

<junos-service-activation-point>

<pcmm-SAP>

<sim-SAP>

<service-profile>

Usage

```
<service-profile xmlns="http://xml.juniper.net/sdx/service-profile">  
  <attributes> attributes </attributes>  
  <subscription-name> subscription-name </subscription-name>  
</service-profile>
```

Contents

<attributes> —Subscription LDAP attributes

Value—Text

<subscription-name> —Subscription name

Value—Text

<service-session>

Usage

```
<service-session xmlns="http://xml.juniper.net/sdx/service-session">
  <accounting-data xmlns="http://xml.juniper.net/sdx/accounting-data"> ... </accounting-data>
  <date-start-time> date-start-time </date-start-time>
  <interim-time> interim-time </interim-time>
  <properties> properties </properties>
  <provisioning-set xmlns="http://xml.juniper.net/sdx/provisioning-set"> ... </provisioning-set>
  <radius-session-id> radius-session-id </radius-session-id>
  <reply-messages> reply-messages </reply-messages>
  <service-name> service-name </service-name>
  <service-session-attributes xmlns="http://xml.juniper.net/sdx/service-session-attributes"> ... </service-session-attributes>
  <session-name> session-name </session-name>
  <subscription-name> subscription-name </subscription-name>
  <version> version </version>
</service-session>
```

Contents

<accounting-data> —Accounting info

[accounting-data](#)

<date-start-time> —Start time

<interim-time> —Interim Time

Value—Integer in the range -9223372036854775808–9223372036854775807

<properties> —Session Properties

Value—Text

<provisioning-set>

Multiple tag: can occur zero or more times.

[provisioning-set](#)

<radius-session-id> —RADIUS session ID

Value—Text

<reply-messages> —Reply Messages

Value—Text

<service-name> —Service name

Value—Text

<service-session-attributes> —Service Session Attributes

[service-session-attributes](#)

<session-name> —Session Name

Value—Text

<subscription-name> —Subscription Name

Value—Text

<version> —Service Session Version

Value—Integer in the range -2147483648–2147483647

<service-session-attributes>

Usage

```
<service-session-attributes xmlns="http://xml.juniper.net/sdx/service-session-attributes">
  <downstream-bandwidth> downstream-bandwidth </downstream-bandwidth>
  <session-tag> session-tag </session-tag>
  <session-timeout> session-timeout </session-timeout>
  <session-volume-quota> session-volume-quota </session-volume-quota>
  <subscription-username> subscription-username </subscription-username>
  <substitutions> substitutions </substitutions>
  <upstream-bandwidth> upstream-bandwidth </upstream-bandwidth>
  <version> version </version>
</service-session-attributes>
```

Contents

<downstream-bandwidth> —Downstream Bandwidth

Value—Integer in the range -2147483648–2147483647

<session-tag> —Session Tag

Value—Text

<session-timeout> —Session Timeout

Value—Integer in the range -2147483648–2147483647

<session-volume-quota> —Session volume quota

Value—Text

<subscription-username> —Subscription username

Value—Text

<substitutions> —Substitutions

Value—Text

<upstream-bandwidth> —Upstream Bandwidth

Value—Integer in the range -2147483648–2147483647

<version> —Attributes Version

Value—Integer in the range -2147483648–2147483647

<services>

Usage

```
<services xmlns="http://xml.juniper.net/sdx/services">  
  <service xmlns="http://xml.juniper.net/sdx/service"> ... </service>  
</services>
```

Contents

<service>

Multiple tag: can occur zero or more times.

[service](#)

Style

brief

<service>

detail

<service>

<session-factory>

Usage

```
<session-factory xmlns="http://xml.juniper.net/sdx/session-factory">
  <background-restoration-end-time> background-restoration-end-time </background-restoration-end-time>
  <background-restoration-start-time> background-restoration-start-time </background-restoration-start-time>
  <num-interface-sessions> num-interface-sessions </num-interface-sessions>
  <num-invalid-interface-sessions> num-invalid-interface-sessions </num-invalid-interface-sessions>
  <num-invalid-service-sessions> num-invalid-service-sessions </num-invalid-service-sessions>
  <num-invalid-user-sessions> num-invalid-user-sessions </num-invalid-user-sessions>
  <num-service-sessions> num-service-sessions </num-service-sessions>
  <num-user-sessions> num-user-sessions </num-user-sessions>
  <num-user-sessions-restored-background> num-user-sessions-restored-background </num-user-sessions-restored-
background>
  <router-name> router-name </router-name>
</session-factory>
```

Contents

<background-restoration-end-time> —Background restoration end time

Value—Text

<background-restoration-start-time> —Background restoration start time

Value—Text

<num-interface-sessions> —Number recovered interface sessions

Value—Integer in the range -2147483648–2147483647

<num-invalid-interface-sessions> —Number invalid interface sessions

Value—Integer in the range -2147483648–2147483647

<num-invalid-service-sessions> —Number invalid service sessions

Value—Integer in the range -2147483648–2147483647

<num-invalid-user-sessions> —Number invalid subscriber sessions

Value—Integer in the range -2147483648–2147483647

<num-service-sessions> —Number recovered service sessions

Value—Integer in the range -2147483648–2147483647

<num-user-sessions> —Number recovered subscriber sessions

Value—Integer in the range -2147483648–2147483647

<num-user-sessions-restored-background> —Number subscriber sessions restored in background

Value—Integer in the range -2147483648–2147483647

<router-name> —Device name

Value—Text

<session-store-details>

Usage

```
<session-store-details xmlns="http://xml.juniper.net/sdx/session-store-details">
  <SS-file-details xmlns="http://xml.juniper.net/sdx/SS-file-details"> ... </SS-file-details>
  <current-usage-ratio> current-usage-ratio </current-usage-ratio>
  <session-store-status> session-store-status </session-store-status>
  <status-last-update-time> status-last-update-time </status-last-update-time>
</session-store-details>
```

Contents

<SS-file-details> —SessionStoreFiles

Multiple tag: can occur zero or more times.

[SS-file-details](#)

<current-usage-ratio> —Current Usage Ratio

Value—Text

<session-store-status> —Session Store Status

Value—Text

<status-last-update-time> —Status Last Update Time

Value—Text

Style

brief

```
<session-store-status>
<status-last-update-time>
```

detail

```
<SS-file-details>
<current-usage-ratio>
<session-store-status>
<status-last-update-time>
```

<session-store-stats>

Usage

```
<session-store-stats xmlns="http://xml.juniper.net/sdx/session-store-stats">
  <all-comm-syncs-time> all-comm-syncs-time </all-comm-syncs-time>
  <all-flushs-time> all-flushs-time </all-flushs-time>
  <all-local-syncs-bytes> all-local-syncs-bytes </all-local-syncs-bytes>
  <all-local-syncs-num-files> all-local-syncs-num-files </all-local-syncs-num-files>
  <all-local-syncs-time> all-local-syncs-time </all-local-syncs-time>
  <all-ops-time> all-ops-time </all-ops-time>
  <all-rots-bytes> all-rots-bytes </all-rots-bytes>
  <all-rots-ops> all-rots-ops </all-rots-ops>
  <all-rots-time> all-rots-time </all-rots-time>
  <all-snaps-num-keys> all-snaps-num-keys </all-snaps-num-keys>
  <all-snaps-time> all-snaps-time </all-snaps-time>
  <all-update-remotes-time> all-update-remotes-time </all-update-remotes-time>
  <last-report-time> last-report-time </last-report-time>
  <num-comm-syncs> num-comm-syncs </num-comm-syncs>
  <num-flushs> num-flushs </num-flushs>
  <num-local-syncs> num-local-syncs </num-local-syncs>
  <num-ops> num-ops </num-ops>
  <num-rots> num-rots </num-rots>
  <num-snaps> num-snaps </num-snaps>
  <num-update-remotes> num-update-remotes </num-update-remotes>
  <report-interval> report-interval </report-interval>
  <start-ops-time> start-ops-time </start-ops-time>
</session-store-stats>
```

Contents

<all-comm-syncs-time> —Time for All Community Synchronizations

Value—Text

<all-flushs-time> —Time for All Flushes

Value—Text

<all-local-syncs-bytes> —Bytes for All Local Synchronizations

Value—Text

<all-local-syncs-num-files> —Number of All Local Synchronized Files

Value—Text

<all-local-syncs-time> —Time for All Local Synchronizations

Value—Text

<all-ops-time> —Time for All Operations

Value—Text

<all-rots-bytes> —Bytes for All Rotations

Value—Text

<all-rots-ops> —All Rotated Operations

Value—Text

<all-rots-time> —Time for All Rotations

Value—Text

<all-snaps-num-keys> —Number of Keys for All Snapshots

Value—Text

<all-snaps-time> —Time for All Snapshots

Value—Text

<all-update-remotes-time> —Time for All Remote Updates

Value—Text

<last-report-time> —Last Report Time

Value—Text

<num-comm-syncs> —Number of Community Synchronizations

Value—Text

<num-flushs> —Number of Flushes

Value—Text

<num-local-syncs> —Number of Local Synchronizations

Value—Text

<num-ops> —Number of Operations

Value—Text

<num-rots> —Number of Rotations

Value—Text

<num-snaps> —Number of Snapshots

Value—Text

<num-update-remotes> —Number of Remote Updates

Value—Text

<report-interval> —Report Interval

Value—Text

<start-ops-time> —Operations Start Time

Value—Text

<sessions-statistics>

Usage

```
<sessions-statistics xmlns="http://xml.juniper.net/sdx/sessions-statistics">
  <number-logins> number-logins </number-logins>
  <number-logouts> number-logouts </number-logouts>
  <number-service-activations> number-service-activations </number-service-activations>
  <number-service-deactivations> number-service-deactivations </number-service-deactivations>
  <number-service-idle-timeout> number-service-idle-timeout </number-service-idle-timeout>
  <number-service-session-timeout> number-service-session-timeout </number-service-session-timeout>
  <number-service-sessions> number-service-sessions </number-service-sessions>
  <number-user-sessions> number-user-sessions </number-user-sessions>
</sessions-statistics>
```

Contents

<number-logins> —Logins (includes sync. and static IP portal logins)

Value—Integer in the range -2147483648–2147483647

<number-logouts> —Logouts

Value—Integer in the range -2147483648–2147483647

<number-service-activations> —Service sessions started

Value—Integer in the range -2147483648–2147483647

<number-service-deactivations> —Service sessions stopped

Value—Integer in the range -2147483648–2147483647

<number-service-idle-timeout> —Service session idle timeouts

Value—Integer in the range -2147483648–2147483647

<number-service-session-timeout> —Service session timeouts

Value—Integer in the range -2147483648–2147483647

<number-service-sessions> —Current service sessions

Value—Integer in the range -2147483648–2147483647

<number-user-sessions> —Current user sessions

Value—Integer in the range -2147483648–2147483647

<sim-SAP>

Usage

```
<sim-SAP xmlns="http://xml.juniper.net/sdx/sim-SAP">
  <interface-classification-context xmlns="http://xml.juniper.net/sdx/interface-classification-context"> ...
</interface-classification-context>
  <provisioning-set xmlns="http://xml.juniper.net/sdx/provisioning-set"> ... </provisioning-set>
  <router-name> router-name </router-name>
  <user-session xmlns="http://xml.juniper.net/sdx/user-session"> ... </user-session>
</sim-SAP>
```

Contents

<interface-classification-context>

[interface-classification-context](#)

<provisioning-set>

[provisioning-set](#)

<router-name> —Device name

Value—Text

<user-session>

Multiple tag: can occur zero or more times.

[user-session](#)

Style

brief

<interface-classification-context>

detail

<interface-classification-context>

<provisioning-set>

<user-session>

<sim-router-driver>

Usage

```
<sim-router-driver xmlns="http://xml.juniper.net/sdx/sim-router-driver">
  <local-ip> local-ip </local-ip>
  <number-active-service-session> number-active-service-session </number-active-service-session>
  <number-active-user-session> number-active-user-session </number-active-user-session>
  <number-of-sap> number-of-sap </number-of-sap>
  <router-ip> router-ip </router-ip>
  <router-name> router-name </router-name>
  <router-type> router-type </router-type>
  <router-version> router-version </router-version>
  <session-factory xmlns="http://xml.juniper.net/sdx/session-factory"> ... </session-factory>
  <session-store-details xmlns="http://xml.juniper.net/sdx/session-store-details"> ... </session-store-details>
  <transport-router> transport-router </transport-router>
</sim-router-driver>
```

Contents

<local-ip> —Local IP

Value—Text

<number-active-service-session> —Number of active service sessions

Value—Integer in the range -2147483648–2147483647

<number-active-user-session> —Number of active user sessions

Value—Integer in the range -2147483648–2147483647

<number-of-sap> —Number of SAP

Value—Integer in the range -2147483648–2147483647

<router-ip> —Device IP

Value—Text

<router-name> —Device name

Value—Text

<router-type> —Device type

Value—Text

<router-version> —Device version

Value—Text

<session-factory> —SessionFactory

[session-factory](#)

<session-store-details> —SessionStoreDetails

[session-store-details](#)

<transport-router> —TransportRouter

Value—Text

Style

brief

<router-name>

detail

<local-ip>

<number-active-service-session>

<number-active-user-session>

<number-of-sap>

<router-ip>

<router-name>

<router-type>

<router-version>

<session-factory>

<session-store-details>

<transport-router>

<state-synchronizer>

Usage

```
<state-synchronizer xmlns="http://xml.juniper.net/sdx/state-synchronizer">
  <end-time> end-time </end-time>
  <fast-resync-status> fast-resync-status </fast-resync-status>
  <num-post-sync-jobs-created> num-post-sync-jobs-created </num-post-sync-jobs-created>
  <num-sync-ctxs> num-sync-ctxs </num-sync-ctxs>
  <router-name> router-name </router-name>
  <start-time> start-time </start-time>
</state-synchronizer>
```

Contents

<end-time> —End time

Value—Text

<fast-resync-status> —Fast resync

Value—Text

<num-post-sync-jobs-created> —Number of post-sync jobs

Value—Integer in the range -2147483648–2147483647

<num-sync-ctxs> —Number of synched contexts

Value—Integer in the range -2147483648–2147483647

<router-name> —Device name

Value—Text

<start-time> —Start time

Value—Text

<statistics>

Usage

```
<statistics xmlns="http://xml.juniper.net/sdx/statistics">  
  <data> data </data>  
</statistics>
```

Contents

<data>

Value—Text

Style

brief

<data>

detail

<data>

<statistics-set>

Usage

```
<statistics-set xmlns="http://xml.juniper.net/sdx/statistics-set">
  <radius-client-statistics xmlns="http://xml.juniper.net/sdx/radius-client-statistics"> ... </radius-client-statistics>
  <router-common-statistics xmlns="http://xml.juniper.net/sdx/router-common-statistics"> ... </router-common-statistics>
  <router-statistics xmlns="http://xml.juniper.net/sdx/router-statistics"> ... </router-statistics>
</statistics-set>
```

Contents

<radius-client-statistics>

Multiple tag: can occur zero or more times.

[radius-client-statistics](#)

<router-common-statistics>

Multiple tag: can occur zero or more times.

[router-common-statistics](#)

<router-statistics>

Multiple tag: can occur zero or more times.

[router-statistics](#)

Style

brief

```
<radius-client-statistics>
<router-common-statistics>
<router-statistics>
```

detail

```
<radius-client-statistics>
<router-common-statistics>
<router-statistics>
```

terse

```
<radius-client-statistics>
<router-common-statistics>
```

<router-statistics>

<thread-group-wrapper>

Usage

```
<thread-group-wrapper xmlns="http://xml.juniper.net/sdx/thread-group-wrapper">
  <active-count> active-count </active-count>
  <active-group-count> active-group-count </active-group-count>
  <max-priority> max-priority </max-priority>
  <name> name </name>
  <thread-wrapper xmlns="http://xml.juniper.net/sdx/thread-wrapper"> ... </thread-wrapper>
</thread-group-wrapper>
```

Contents

<active-count> —Active threads

Value—Integer in the range -2147483648–2147483647

<active-group-count> —Active groups

Value—Integer in the range -2147483648–2147483647

<max-priority> —Max priority

Value—Integer in the range -2147483648–2147483647

<name> —Thread group name

Value—Text

<thread-wrapper>

Multiple tag: can occur zero or more times.

[thread-wrapper](#)

<thread-wrapper>

Usage

```
<thread-wrapper xmlns="http://xml.juniper.net/sdx/thread-wrapper">  
  <is-daemon> is-daemon </is-daemon>  
  <name> name </name>  
  <priority> priority </priority>  
</thread-wrapper>
```

Contents

<is-daemon> —Daemon thread

Value—Boolean

<name> —Thread name

Value—Text

<priority> —Priority

Value—Integer in the range -2147483648–2147483647

<transaction-manager>

Usage

```
<transaction-manager xmlns="http://xml.juniper.net/sdx/transaction-manager">  
  <queue-size> queue-size </queue-size>  
  <router-name> router-name </router-name>  
</transaction-manager>
```

Contents

<queue-size> —Transaction queue size

Value—Integer in the range -2147483648–2147483647

<router-name> —Device name

Value—Text

<user-classification-context>

Usage

```
<user-classification-context xmlns="http://xml.juniper.net/sdx/user-classification-context">
  <calling-station-id> calling-station-id </calling-station-id>
  <dhcp-packet xmlns="http://xml.juniper.net/sdx/dhcp-packet"> ... </dhcp-packet>
  <domain-name> domain-name </domain-name>
  <if-alias> if-alias </if-alias>
  <if-desc> if-desc </if-desc>
  <interface-name> interface-name </interface-name>
  <interface-type> interface-type </interface-type>
  <local-tunnel-inet-address> local-tunnel-inet-address </local-tunnel-inet-address>
  <login-name> login-name </login-name>
  <login-type> login-type </login-type>
  <mac-address> mac-address </mac-address>
  <nas-ip> nas-ip </nas-ip>
  <nas-port> nas-port </nas-port>
  <nas-port-id> nas-port-id </nas-port-id>
  <primary-user-name> primary-user-name </primary-user-name>
  <property-set> property-set </property-set>
  <radius-class> radius-class </radius-class>
  <remote-tunnel-inet-address> remote-tunnel-inet-address </remote-tunnel-inet-address>
  <service-bundle> service-bundle </service-bundle>
  <substitution> substitution </substitution>
  <user-name> user-name </user-name>
  <user-type> user-type </user-type>
  <virtual-router-name> virtual-router-name </virtual-router-name>
  <vpn-id> vpn-id </vpn-id>
</user-classification-context>
```

Contents

<calling-station-id> —Calling Station Id

Value—Text

<dhcp-packet>

[dhcp-packet](#)

<domain-name> —Domain Name

Value—Text

<if-alias> —Interface Alias

Value—Text

<if-desc> —Interface Description

Value—Text

<interface-name> —Interface Name

Value—Text

<interface-type> —Interface Type

Value—Text

<local-tunnel-inet-address> —Local Tunnel Inet

Value—IP address

<login-name> —Login Name

Value—Text

<login-type> —Login Type

Value—Text

<mac-address> —MAC Address

Value—Text

<nas-ip> —NAS IP

Value—IP address

<nas-port> —NAS Port

Value—Integer in the range -2147483648–2147483647

<nas-port-id> —NAS Port ID

Value—Text

<primary-user-name> —Primary User Name

Value—Text

<property-set> —Session Properties

Value—Text

<radius-class> —RADIUS class

Value—Text

<remote-tunnel-inet-address> —Remote Tunnel Inet

Value—IP address

<service-bundle> —Service Bundle

Value—Text

<substitution> —Session Substitutions

Value—Text

<user-name> —User Name

Value—Text

<user-type> —User Type

Value—Text

<virtual-router-name> —Device Name

Value—Text

<vpn-id> —VPN Id

Value—Text

Style

brief

<interface-name>
<login-name>
<mac-address>
<virtual-router-name>

detail

<calling-station-id>
<dhcp-packet>
<domain-name>
<if-alias>
<if-desc>
<interface-name>
<interface-type>
<local-tunnel-inet-address>
<login-name>
<login-type>
<mac-address>
<nas-ip>
<nas-port>
<nas-port-id>
<primary-user-name>
<property-set>
<remote-tunnel-inet-address>
<service-bundle>
<substitution>
<user-name>
<user-type>
<virtual-router-name>
<vpn-id>

<user-profile>

Usage

```
<user-profile xmlns="http://xml.juniper.net/sdx/user-profile">
  <attributes> attributes </attributes>
  <is-unauthenticated> is-unauthenticated </is-unauthenticated>
  <number-of-logged-users> number-of-logged-users </number-of-logged-users>
  <number-of-users> number-of-users </number-of-users>
  <service-profile xmlns="http://xml.juniper.net/sdx/service-profile"> ... </service-profile>
  <user-dn> user-dn </user-dn>
  <user-profile xmlns="http://xml.juniper.net/sdx/user-profile"> ... </user-profile>
</user-profile>
```

Contents

<attributes> —User LDAP attributes

Value—Text

<is-unauthenticated> —Unauthenticated

Value—Boolean

<number-of-logged-users> —Logins with this user profile

Value—Integer in the range -2147483648–2147483647

<number-of-users> —Current logins

Value—Integer in the range -2147483648–2147483647

<service-profile> —User subscription

Multiple tag: can occur zero or more times.

[service-profile](#)

<user-dn> —User Dn

Value—Text

<user-profile>

[user-profile](#)

<user-session>

Usage

```
<user-session xmlns="http://xml.juniper.net/sdx/user-session">
  <auto-subscriptions> auto-subscriptions </auto-subscriptions>
  <date-login-time> date-login-time </date-login-time>
  <load-subscriptions> load-subscriptions </load-subscriptions>
  <login-name> login-name </login-name>
  <radius-session-id> radius-session-id </radius-session-id>
  <service-session xmlns="http://xml.juniper.net/sdx/service-session"> ... </service-session>
  <session-timeout> session-timeout </session-timeout>
  <user-classification-context xmlns="http://xml.juniper.net/sdx/user-classification-context"> ... </user-
classification-context>
  <user-dn> user-dn </user-dn>
  <user-ip> user-ip </user-ip>
  <user-ipv4-with-prefix> user-ipv4-with-prefix </user-ipv4-with-prefix>
  <user-ipv6-with-prefix> user-ipv6-with-prefix </user-ipv6-with-prefix>
  <user-other-addresses> user-other-addresses </user-other-addresses>
  <user-profile xmlns="http://xml.juniper.net/sdx/user-profile"> ... </user-profile>
</user-session>
```

Release Information

Tag introduced in Release src 1.0.0

Description

User Session Information

Contents

<auto-subscriptions> —Automatic subscriptions

Automatic subscriptions set by RADIUS auth plug-in
Value—Text

<date-login-time> —Login time

<load-subscriptions> —Filter for subscriptions

Filter for subscriptions set by RADIUS auth plug-in
Value—Text

<login-name> —Login name

<radius-session-id> —RADIUS session ID

Value—Text

<service-session>

Multiple tag: can occur zero or more times.

[service-session](#)

<session-timeout> —Session Timeout

Value—Integer in the range 0–9223372036854775807

Units—second

<user-classification-context>

Mandatory tag: must occur at least one time.

[user-classification-context](#)

<user-dn> —User DN

Value—Text

<user-ip> —User IP

Value—IP address

<user-ipv4-with-prefix> —User IPv4

Value—Text

<user-ipv6-with-prefix> —User IPv6

Value—Text

<user-other-addresses> —Other IP Addresses

Value—Text

Multiple tag: can occur zero or more times.

<user-profile>

Mandatory tag: must occur at least one time.

[user-profile](#)

Style

brief

<date-login-time>
<radius-session-id>
<session-timeout>
<user-classification-context>
<user-dn>
<user-ip>

detail

<auto-subscriptions>
<date-login-time>
<radius-session-id>
<service-session>
<session-timeout>
<user-classification-context>
<user-dn>
<user-ipv4-with-prefix>
<user-ipv6-with-prefix>
<user-other-addresses>
<user-profile>

terse

<login-name>
<radius-session-id>
<user-ip>

<user-sessions>

Usage

```
<user-sessions xmlns="http://xml.juniper.net/sdx/user-sessions">  
  <user-session xmlns="http://xml.juniper.net/sdx/user-session"> ... </user-session>  
</user-sessions>
```

Contents

<user-session>

Multiple tag: can occur zero or more times.

[user-session](#)

Style

brief

<user-session>

detail

<user-session>

terse

<user-session>

<user-type>

Usage

```
<user-type xmlns="http://xml.juniper.net/sdx/user-type">  
  <user> user </user>  
</user-type>
```

Contents

<user> —User Type

Value—Text

Network Information Collector (NIC)

Operational Tag Elements

[Table 12](#) lists the SRC CLI operational mode commands that have corresponding SRC XML request tag elements in the current version of the SRC software, and maps each command to its request tag element. CLI configuration commands and statements are listed in alphabetical order.

For a list of mappings organized alphabetically by request tag element name, see [Table 13](#). For more information about CLI commands, see the *SRC PE CLI Command Reference*.

For a list of response tag elements, see [Table 14](#).

Table 12: Mapping of Network Information Collector CLI Commands to Operational Tag Elements

CLI Command	Request Tag Element
request network publisher execute	request-network-publisher-execute
request nic clear scenario data	request-nic-clear-scenario-data
request nic restart agent	request-nic-restart-agent
request nic restart resolver	request-nic-restart-resolver
show nic data	get-nic-data
show nic data agent	get-nic-data-agent
show nic data resolver	get-nic-data-resolver
show nic statistics	get-nic-statistics
show nic statistics agent	get-nic-statistics-agent
show nic statistics host	get-nic-statistics-host
show nic statistics process	get-nic-statistics-process
show nic statistics resolver	get-nic-statistics-resolver
test nic resolve	test-nic-resolve

[Table 13](#) maps SRC XML operational request tag elements to SRC CLI commands. Tag elements are listed in alphabetical order.

Table 13: Mapping of Network Information Collector Operational Tag Elements to CLI Commands

Request Tag Element	CLI Command
get-nic-data	show nic data
get-nic-data-agent	show nic data agent
get-nic-data-resolver	show nic data resolver
get-nic-statistics	show nic statistics

get-nic-statistics-agent	show nic statistics agent
get-nic-statistics-host	show nic statistics host
get-nic-statistics-process	show nic statistics process
get-nic-statistics-resolver	show nic statistics resolver
request-network-publisher-execute	request network publisher execute
request-nic-clear-scenario-data	request nic clear scenario data
request-nic-restart-agent	request nic restart agent
request-nic-restart-resolver	request nic restart resolver
test-nic-resolve	test nic resolve

[Table 14](#) lists the SRC XML operational response tag elements. Tag elements are listed in alphabetical order.

Table 14: Operational Response Tag Elements

Response Tag Element
data-pair
generic
network-data
resolver-data
statistics-data

<get-nic-data>

Usage

```
<rpc>  
  <get-nic-data>  
    <maximum-results> maximum-results </maximum-results>  
  </get-nic-data>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display data that NIC uses during resolutions.

Contents

`<maximum-results>`— (Optional) Number of results to be displayed.

Value—Integer in the range 1–2147483647

Default—25

Required Privilege Level

view

Output Tag

[resolver-data](#)

<get-nic-data-agent>

Usage

```
<rpc>
  <get-nic-data-agent>
    <name> name </name>
  </get-nic-data-agent>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display the data that NIC agents store.

Contents

<name>— (Optional) Name of a NIC agent.

Value— Agent name. The agents included with the SRC software are:

- AcctIdIp
- DnVr
- Enterprise
- IpAcctId
- IpLoginName
- IpVr
- LoginNameVr
- PoolVr
- UserNameVr
- VrSaeId

Default— No value

Required Privilege Level

view

<get-nic-data-resolver>

Usage

```
<rpc>  
  <get-nic-data-resolver>  
    <name> name </name>  
  </get-nic-data-resolver>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display data that NIC resolvers store.

Contents

<name>— (Optional) Name of a NIC resolver.

Value— Resolver name

Default— No value

Required Privilege Level

view

<get-nic-statistics>

Usage

```
<rpc>  
  <get-nic-statistics>  
  </get-nic-statistics>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display statistics for NIC.

Required Privilege Level

view

Output Tag

[statistics-data](#)

<get-nic-statistics-agent>

Usage

```
<rpc>  
  <get-nic-statistics-agent>  
    <name> name </name>  
  </get-nic-statistics-agent>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display statistics for NIC agents. If you do not specify an agent name, the command displays statistics for all NIC agents.

Contents

<name>— (Optional) Name of a NIC agent.

Value— Agent name. The agents included with the SRC software are:

- AcctIdIp
- DnVr
- Enterprise
- IpAcctId
- IpLoginName
- IpVr
- LoginNameVr
- PoolVr
- UserNameVr
- VrSaeId

Default— No value

Required Privilege Level

view

<get-nic-statistics-host>

Usage

```
<rpc>  
  <get-nic-statistics-host>  
  </get-nic-statistics-host>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display statistics for the NIC host.

Required Privilege Level

view

<get-nic-statistics-process>

Usage

```
<rpc>  
  <get-nic-statistics-process>  
  </get-nic-statistics-process>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display process information for the NIC.

Required Privilege Level

view

<get-nic-statistics-resolver>

Usage

```
<rpc>
  <get-nic-statistics-resolver>
    <name> name </name>
  </get-nic-statistics-resolver>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display statistics for NIC resolvers. If you do not specify a resolver name, the software displays statistics for all resolvers.

Contents

<name>— (Optional) Name of a NIC resolver.

Value— Resolver name

Default— No value

Required Privilege Level

view

<request-network-publisher-execute>

Usage

```
<rpc>  
  <request-network-publisher-execute>  
  </request-network-publisher-execute>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Run the network publisher. The network publisher is a NIC component that connects to routers running Junos OS and collects information, such as information about system interfaces and VPNs, from IPv4 and IPv6 routing tables. After collecting the information, the network publisher stores this information in the Juniper Networks database for access by the NIC.

Before you run this command, make sure that the network publisher is configured and that the NIC is enabled.

Required Privilege Level

maintenance

<request-nic-clear-scenario-data>

Usage

```
<rpc>  
  <request-nic-clear-scenario-data>  
  </request-nic-clear-scenario-data>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Remove data stored for NIC scenarios. Run this command when you switch from one NIC configuration scenario to another.

Before you run this command, disable NIC by using the `disable component nic` command.

Required Privilege Level

maintenance

<request-nic-restart-agent>

Usage

```
<rpc>  
  <request-nic-restart-agent>  
    <name> name </name>  
  </request-nic-restart-agent>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Restart NIC agents. If you do not specify an agent name, the software restarts all NIC agents.

You can restart a NIC agent to have the agent read all data in the directory again. Restart a NIC agent if the agent is not synchronized with the directory, or if you switch from one directory to another.

Contents

<name>— (Optional) Name of the NIC agent to restart.

Value— Agent name. The agents included with the SRC software are:

- AcctIdIp
- DnVr
- Enterprise
- IpAcctId
- IpLoginName
- IpVr
- LoginNameVr
- PoolVr
- UserNameVr
- VrSaeId

Default— No value

Required Privilege Level

maintenance

<request-nic-restart-resolver>

Usage

```
<rpc>  
  <request-nic-restart-resolver>  
    <name> name </name>  
  </request-nic-restart-resolver>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Restart NIC resolvers. If you do not specify a resolver name, the software restarts all resolvers.

In rare instances, such as when you are troubleshooting a NIC configuration, you may want to restart a NIC resolver.

Contents

<name>— (Optional) Name of the NIC resolver to restart.

Value— Resolver name

Default— No value

Required Privilege Level

maintenance

<test-nic-resolve>

Usage

```
<rpc>
  <test-nic-resolve>
    <locator> locator </locator>
    <key> key </key>
    <constraints> constraints </constraints>
  </test-nic-resolve>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Issue a resolution request to the NIC host to test NIC resolution for a specified key.

Contents

<locator>— Name of a NIC locator. A NIC locator can resolve the value of one or more NIC keys. Each NIC configuration scenario provides configuration for an associated NIC locator.

Value— Name of a NIC locator

<key>— The NIC key to resolve.

Value— NIC key in the form `NIC data type: key string`; for example:
`Ip:10.10.10.10`.

<constraints>— (Optional) List of values for NIC constraints. Constraints are NIC data types that a resolver uses when it executes a role (also referred to as a transition) in the resolution process. A role resolves a NIC key to a NIC value.

Value— Constraints in the form: `[constraint (,constraint)*]`. For each constraint, use the format: `NIC data type: key string`. For example,
`[AnyString(conn):false, domain:virneo]`

Required Privilege Level

maintenance

<data-pair>

Usage

```
<data-pair xmlns="http://xml.juniper.net/sdx/data-pair">  
  <to-string> to-string </to-string>  
</data-pair>
```

Contents

<to-string>

Value—Text

<generic>

Usage

```
<generic xmlns="http://xml.juniper.net/sdx/generic">  
  <generic-class> generic-class </generic-class>  
</generic>
```

Contents

<generic-class>

<network-data>

Usage

```
<network-data xmlns="http://xml.juniper.net/sdx/network-data">  
  <to-string> to-string </to-string>  
</network-data>
```

Contents

<to-string>

Value—Text

<resolver-data>

Usage

```
<resolver-data xmlns="http://xml.juniper.net/sdx/resolver-data">  
  <component-name> component-name </component-name>  
  <data-pair xmlns="http://xml.juniper.net/sdx/data-pair"> ... </data-pair>  
  <network-data xmlns="http://xml.juniper.net/sdx/network-data"> ... </network-data>  
</resolver-data>
```

Contents

<component-name> —Component name

<data-pair>

Multiple tag: can occur zero or more times.

[data-pair](#)

<network-data>

Multiple tag: can occur zero or more times.

[network-data](#)

<statistics-data>

Usage

```
<statistics-data xmlns="http://xml.juniper.net/sdx/statistics-data">  
  <component-name> component-name </component-name>  
  <component-stats> component-stats </component-stats>  
</statistics-data>
```

Contents

<component-name> —Component Name

<component-stats>

Value—Text

Session State Register (SSR) Operational Tag Elements

[Table 15](#) lists the SRC CLI operational mode commands that have corresponding SRC XML request tag elements in the current version of the SRC software, and maps each command to its request tag element. CLI configuration commands and statements are listed in alphabetical order.

For a list of mappings organized alphabetically by request tag element name, see [Table 16](#). For more information about CLI commands, see the *SRC PE CLI Command Reference*.

Table 15: Mapping of Session State Register CLI Commands to Operational Tag Elements

CLI Command	Request Tag Element
request database create database	request-database-create-database
request database delete database	request-database-delete-database
request database delete subscriber sessions all	request-database-delete-subscriber-sessions-all
request database delete subscriber sessions by address	request-database-delete-subscriber-sessions-by-address
request database enter	request-database-enter
show database memory requirement	show-database-memory-requirement
show database mode	show-database-mode
show database running configuration	show-database-running-configuration
show database status	show-database-status
show database subscriber sessions	show-database-subscriber-sessions
show database subscriber sessions by address	show-database-subscriber-sessions-by-address
show database subscriber sessions by indexed field	show-database-subscriber-sessions-by-indexed-field
show database subscriber sessions count	show-database-subscriber-sessions-count

[Table 16](#) maps SRC XML operational request tag elements to SRC CLI commands. Tag elements are listed in alphabetical order.

Table 16: Mapping of Session State Register Operational Tag Elements to CLI Commands

Request Tag Element	CLI Command
request-database-create-database	request database create database
request-database-delete-database	request database delete database
request-database-delete-subscriber-sessions-all	request database delete subscriber sessions all
request-database-delete-subscriber-sessions-by-	request database delete subscriber sessions by

address	address
request-database-enter	request database enter
show-database-memory-requirement	show database memory requirement
show-database-mode	show database mode
show-database-running-configuration	show database running configuration
show-database-status	show database status
show-database-subscriber-sessions	show database subscriber sessions
show-database-subscriber-sessions-by-address	show database subscriber sessions by address
show-database-subscriber-sessions-by-indexed-field	show database subscriber sessions by indexed field
show-database-subscriber-sessions-count	show database subscriber sessions count

<request-database-create-database>

Usage

```
<rpc>  
  <request-database-create-database>  
  </request-database-create-database>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Generate SSR database schema using the current configuration then create the SSR database and its tables. All SSR cluster components must have been enabled prior to creating the database. This command can only be executed when database is in maintenance mode.

Required Privilege Level

maintenance

<request-database-delete-database>

Usage

```
<rpc>  
  <request-database-delete-database>  
  </request-database-delete-database>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Destroys the SSR database and all its contents. This command should only be executed during a maintenance window. This command can only be executed when database is in maintenance mode.

Required Privilege Level

maintenance

<request-database-delete-subscriber-sessions-all>

Usage

```
<rpc>  
  <request-database-delete-subscriber-sessions-all>  
  </request-database-delete-subscriber-sessions-all>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Delete all subscriber sessions in SSR database.

Required Privilege Level

maintenance

<request-database-delete-subscriber-sessions-by-address>

Usage

```
<rpc>
  <request-database-delete-subscriber-sessions-by-address>
    <start-address> start-address </start-address>
    <end-address> end-address </end-address>
    <vpn-id> vpn-id </vpn-id>
  </request-database-delete-subscriber-sessions-by-address>
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Delete subscriber session IP address.

Contents

<start-address>— Start address of an IP range. If end address not specified, delete only the session with this address.

Value—Text

<end-address>— (Optional) End address of an IP range. If not specified, delete only the session with the start address.

Value—Text

<vpn-id>— (Optional) VPN ID that the sessions belong to. If not specified, delete sessions from public network and any VPN. To delete sessions from public network only, use single quotes (") as the VPN ID.

Value—Text

Required Privilege Level

maintenance

<request-database-enter>

Usage

```
<rpc>  
  <request-database-enter>  
    <mode> mode-choice </mode>  
  </request-database-enter>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Change SSR database running mode. This command can only be executed on a management node.

Contents

<mode>— (Optional) SSR database running mode.

Value

- `maintenance-mode`— Place SSR database in maintenance mode.
- `production-mode`— Place SSR database in production mode.

Required Privilege Level

`maintenance`

<show-database-memory-requirement>

Usage

```
<rpc>
  <show-database-memory-requirement>
    <table> table-choice </table>
    <maximum-number-of-rows> maximum-number-of-rows </maximum-number-of-rows>
    <use-running-configuration/>
  </show-database-memory-requirement>
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Display SSR database memory requirements. The output contains minimum data memory, maximum data memory, and index memory. The minimum data memory is the amount of data memory required if all variable length columns are empty. The maximum data memory is the amount of data memory required if all variable length columns are in their full length.

Contents

<table>—Name of the SSR table

Value

- subscriber-sessions—
- service-sessions—

<maximum-number-of-rows>—Maximum number of rows stored in the table

Value—Integer in the range 0–2147483647

<use-running-configuration>— (Optional) If set, use the schema defined in the running configuration to calculate the table size. Otherwise, use the schema in the current CLI configuration.

Default—false

Required Privilege Level

view

Output Tag

[table-size-info](#)

<show-database-mode>

Usage

```
<rpc>  
  <show-database-mode>  
  </show-database-mode>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Display the current mode of the SSR database.

Required Privilege Level

view

<show-database-running-configuration>

Usage

```
<rpc>  
  <show-database-running-configuration>  
  </show-database-running-configuration>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Display the SSR database running configuration. When SSR database is in production mode, displays configuration running on SSR database. When SSR database is placed in maintenance mode, the running configuration is discarded and the SSR database running configuration is the configuration entered in CLI. This command can only be executed on management node.

Required Privilege Level

view

<show-database-status>

Usage

```
<rpc>  
  <show-database-status>  
  </show-database-status>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Display the status of all nodes in the SSR cluster.

Required Privilege Level

view

Output Tag

[database-status](#)

<show-database-subscriber-sessions>

Usage

```
<rpc>  
  <show-database-subscriber-sessions>  
    <maximum-result> maximum-result </maximum-result>  
  </show-database-subscriber-sessions>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Display subscriber sessions in SSR database.

Contents

`<maximum-result>`— (Optional) Enter maximum number of subscriber sessions to display. Default is limited to 25 results

Value—Integer in the range -2147483648–2147483647

Default—25

Required Privilege Level

view

Output Tag

[subscriber-sessions](#)

<show-database-subscriber-sessions-by-address>

Usage

```
<rpc>
  <show-database-subscriber-sessions-by-address>
    <start-address> start-address </start-address>
    <end-address> end-address </end-address>
    <vpn-id> vpn-id </vpn-id>
  </show-database-subscriber-sessions-by-address>
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Show subscriber sessions in SSR database by IP address.

Contents

<start-address>— Start address of an IP range. If end address is not specified, displays only session with this address.

Value—Text

<end-address>— (Optional) End address of an IP range. If not specified, displays only session with the start address.

Value—Text

<vpn-id>— (Optional) VPN ID that the subscriber sessions belong to. If not specified, display sessions from public network and any VPN. To display sessions from public network, use single quotes (") as the VPN ID.

Value—Text

Required Privilege Level

view

Output Tag

[subscriber-sessions](#)

<show-database-subscriber-sessions-by-indexed-field>

Usage

```
<rpc>
  <show-database-subscriber-sessions-by-indexed-field>
    <name> name </name>
    <value> value </value>
  </show-database-subscriber-sessions-by-indexed-field>
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Display subscriber sessions and associated service sessions stored in the SSR database by a specified indexed field in the subscriber sessions table. For string-type field, wildcard * can be used in value.

Contents

<name>— Name of indexed field in subscriber sessions table.

Value—Text

<value>— Value of indexed field in subscriber sessions table.

Value—Text

Required Privilege Level

view

Output Tag

[subscriber-sessions](#)

<show-database-subscriber-sessions-count>

Usage

```
<rpc>  
  <show-database-subscriber-sessions-count>  
  </show-database-subscriber-sessions-count>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Display the total number of subscriber sessions currently in SSR database.

Required Privilege Level

view

Output Tag

[subscriber-sessions](#)

Subscriber Information Collector (SIC)

Operational Tag Elements

[Table 17](#) lists the SRC CLI operational mode commands that have corresponding SRC XML request tag elements in the current version of the SRC software, and maps each command to its request tag element. CLI configuration commands and statements are listed in alphabetical order.

For a list of mappings organized alphabetically by request tag element name, see [Table 18](#). For more information about CLI commands, see the *SRC PE CLI Command Reference*.

Table 17: Mapping of Subscriber Information Collector CLI Commands to Operational Tag Elements

CLI Command	Request Tag Element
show sic statistics diameter host	show-sic-statistics-diameter-host
show sic statistics diameter peer	show-sic-statistics-diameter-peer
show sic statistics radius client accounting	show-sic-statistics-radius-client-accounting
show sic statistics radius client authentication	show-sic-statistics-radius-client-authentication
show sic statistics radius host accounting	show-sic-statistics-radius-host-accounting
show sic statistics radius host authentication	show-sic-statistics-radius-host-authentication
show sic statistics radius target accounting	show-sic-statistics-radius-target-accounting
show sic statistics radius target authentication	show-sic-statistics-radius-target-authentication

[Table 18](#) maps SRC XML operational request tag elements to SRC CLI commands. Tag elements are listed in alphabetical order.

Table 18: Mapping of Subscriber Information Collector Operational Tag Elements to CLI Commands

Request Tag Element	CLI Command
show-sic-statistics-diameter-host	show sic statistics diameter host
show-sic-statistics-diameter-peer	show sic statistics diameter peer
show-sic-statistics-radius-client-accounting	show sic statistics radius client accounting
show-sic-statistics-radius-client-authentication	show sic statistics radius client authentication
show-sic-statistics-radius-host-accounting	show sic statistics radius host accounting
show-sic-statistics-radius-host-authentication	show sic statistics radius host authentication
show-sic-statistics-radius-target-accounting	show sic statistics radius target accounting
show-sic-statistics-radius-target-authentication	show sic statistics radius target authentication

<show-sic-statistics-diameter-host>

Usage

```
<rpc>  
  <show-sic-statistics-diameter-host>  
  </show-sic-statistics-diameter-host>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.2.0

Description

Display Diameter host statistics, including server run-time statistics and global summary statistics.

Required Privilege Level

view

Output Tag

[diameter-host](#)

<show-sic-statistics-diameter-peer>

Usage

```
<rpc>  
  <show-sic-statistics-diameter-peer>  
    <name> name </name>  
  </show-sic-statistics-diameter-peer>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.2.0

Description

Display Diameter peer statistics. These statistics include:

- Connection-related statistics—Statistics related to the connection between the server and the peer.
- Request/Answer statistics—Statistics related to Diameter Request and Diameter Answer messages between the server and the peer.
- Packet error statistics—Statistics related to Diameter errors and message receipt failures.

Contents

<name>— (Optional) Specify the name of the Diameter peer for which you want to display statistics; if omitted, statistics for all Diameter peers are displayed.

Value—Text

Required Privilege Level

view

Output Tag

[diameter-peer](#)

<show-sic-statistics-radius-client-accounting>

Usage

```
<rpc>  
  <show-sic-statistics-radius-client-accounting>  
  </show-sic-statistics-radius-client-accounting>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Display RADIUS client statistics for accounting requests. Statistics are presented for any client from which the server has received packets.

Required Privilege Level

view

Output Tag

[radius-client-acct](#)

<show-sic-statistics-radius-client-authentication>

Usage

```
<rpc>  
  <show-sic-statistics-radius-client-authentication>  
    <name> name </name>  
  </show-sic-statistics-radius-client-authentication>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.2.0

Description

Display RADIUS client statistics for authentication requests. Statistics are presented for any client from which the server has received packets.

Contents

<name>— (Optional) Specify the name of the RADIUS authentication client for which you want to display statistics; if omitted, statistics for all RADIUS authentication clients are displayed.

Value—Text

Required Privilege Level

view

Output Tag

[radius-client-auth](#)

<show-sic-statistics-radius-host-accounting>

Usage

```
<rpc>  
  <show-sic-statistics-radius-host-accounting>  
  </show-sic-statistics-radius-host-accounting>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Display RADIUS host statistics for accounting transactions, as well as server runtime statistics and packet error statistics.

Required Privilege Level

view

Output Tag

[radius-host-acct](#)

<show-sic-statistics-radius-host-authentication>

Usage

```
<rpc>  
  <show-sic-statistics-radius-host-authentication>  
  </show-sic-statistics-radius-host-authentication>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.2.0

Description

Display RADIUS host statistics for authentication transactions, as well as server runtime statistics and packet error statistics.

Required Privilege Level

view

Output Tag

[radius-host-auth](#)

<show-sic-statistics-radius-target-accounting>

Usage

```
<rpc>  
  <show-sic-statistics-radius-target-accounting>  
  </show-sic-statistics-radius-target-accounting>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Display RADIUS target statistics for accounting requests. Statistics are available for all RADIUS dynamic authorization and authentication targets that are defined in the server.

Required Privilege Level

view

Output Tag

[radius-target-acct](#)

<show-sic-statistics-radius-target-authentication>

Usage

```
<rpc>  
  <show-sic-statistics-radius-target-authentication>  
    <host> host </host>  
  </show-sic-statistics-radius-target-authentication>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.2.0

Description

Display RADIUS target statistics for authentication and dynamic authorization target requests. Statistics are available for all RADIUS authentication and dynamic authorization targets that are defined in the server.

Contents

<host>— (Optional) Specify the IP address of the RADIUS authentication or dynamic authorization target for which you want to display statistics; if omitted, statistics for all RADIUS authentication and dynamic authorization targets are displayed.

Value—Text

Required Privilege Level

view

Output Tag

[radius-target-auth](#)

SRC Admission Control Plug-In (SRC ACP)

Operational Tag Elements

[Table 19](#) lists the SRC CLI operational mode commands that have corresponding SRC XML request tag elements in the current version of the SRC software, and maps each command to its request tag element. CLI configuration commands and statements are listed in alphabetical order.

For a list of mappings organized alphabetically by request tag element name, see [Table 20](#). For more information about CLI commands, see the *SRC PE CLI Command Reference*.

For a list of response tag elements, see [Table 21](#).

Table 19: Mapping of SRC ACP CLI Commands to Operational Tag Elements

CLI Command	Request Tag Element
request acp reorganize backup database	request-acp-reorganize-backup-database
show acp backbone congestion point congestion point expression	get-acp-backbone-congestion-point-congestion-point-expression
show acp backbone congestion point dn	get-acp-backbone-congestion-point-dn
show acp backbone service	get-acp-backbone-service
show acp congestion point by subscriber ip	get-acp-congestion-point-by-subscriber-ip
show acp congestion point by subscriber login	get-acp-congestion-point-by-subscriber-login
show acp congestion point by subscriber session id	get-acp-congestion-point-by-subscriber-session-id
show acp edge congestion point dn	get-acp-edge-congestion-point-dn
show acp edge congestion point subscriber session id	get-acp-edge-congestion-point-subscriber-session-id
show acp edge subscriber	get-acp-edge-subscriber
show acp remote update congestion point dn	get-acp-remote-update-congestion-point-dn
show acp remote update congestion point name	get-acp-remote-update-congestion-point-name
show acp remote update subscriber	get-acp-remote-update-subscriber
show acp statistics device	get-acp-statistics-device
show acp statistics directory	get-acp-statistics-directory
show acp statistics general	get-acp-statistics-general

[Table 20](#) maps SRC XML operational request tag elements to SRC CLI commands. Tag elements are listed in alphabetical order.

Table 20: Mapping of SRC ACP Operational Tag Elements to CLI sCommands

Request Tag Element	CLI Command
get-acp-backbone-congestion-point-congestion-point-expression	show acp backbone congestion point congestion point expression
get-acp-backbone-congestion-point-dn	show acp backbone congestion point dn
get-acp-backbone-service	show acp backbone service
get-acp-congestion-point-by-subscriber-ip	show acp congestion point by subscriber ip
get-acp-congestion-point-by-subscriber-login	show acp congestion point by subscriber login
get-acp-congestion-point-by-subscriber-session-id	show acp congestion point by subscriber session id
get-acp-edge-congestion-point-dn	show acp edge congestion point dn
get-acp-edge-congestion-point-subscriber-session-id	show acp edge congestion point subscriber session id
get-acp-edge-subscriber	show acp edge subscriber
get-acp-remote-update-congestion-point-dn	show acp remote update congestion point dn
get-acp-remote-update-congestion-point-name	show acp remote update congestion point name
get-acp-remote-update-subscriber	show acp remote update subscriber
get-acp-statistics-device	show acp statistics device
get-acp-statistics-directory	show acp statistics directory
get-acp-statistics-general	show acp statistics general
request-acp-reorganize-backup-database	request acp reorganize backup database

Table 21 lists the SRC XML operational response tag elements. Tag elements are listed in alphabetical order.

Table 21: Operational Response Tag Elements

Response Tag Element
acp-data-manager-m-i-impl
acp-m-i-impl
acp-virtual-router-m-i-impl
b-b-service
b-b-services
congestion-point-context
intf
intfs

redundant-state
service-session
service-session-congestion-points
user
user-info
user-profile
user-remote-update
user-session-congestion-points
user-sessions-congestion-points

<get-acp-backbone-congestion-point-congestion-point-expression>

Usage

```
<rpc>
  <get-acp-backbone-congestion-point-congestion-point-expression>
    <slot> slot </slot>
    <virtual-router-name> virtual-router-name </virtual-router-name>
    <service-name> service-name </service-name>
    <interface-name> interface-name </interface-name>
    <interface-description> interface-description </interface-description>
    <interface-alias> interface-alias </interface-alias>
    <nas-port-id> nas-port-id </nas-port-id>
    <style> style-choice </style>
  </get-acp-backbone-congestion-point-congestion-point-expression>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display congestion point by service congestion point expression.

Contents

<slot>— (Optional) Number of the slot for which you want to configure values.

Value— Currently, the chassis has only one slot. The valid value is 0.

Default—0

<virtual-router-name>— (Optional) Name of virtual router from which to list congestion points.

Value— Virtual router name

Default— No value

<service-name>— (Optional) Name of service used by backbone service to generate congestion points.

Value— Service name

Default— No value

<interface-name>— (Optional) Name of interface related to congestion points.

Value— Interface name

Default— No value

`<interface-description>`— (Optional) Description of interface used by backbone service to generate congestion points.

Value— Interface description

Default— No value

`<interface-alias>`— (Optional) Interface alias used by backbone service to generate congestion points.

Value— Interface alias

Default— No value

`<nas-port-id>`— (Optional) Interface NAS port ID used by backbone service to generate congestion points.

Value— NAS port ID

Default— No value

`<style>`— (Optional) Output style.

Value

- `brief`— Display congestion point attributes.

Default—`detail`

Required Privilege Level

view

Output Tag

[`intf`](#)

<get-acp-backbone-congestion-point-dn>

Usage

```
<rpc>
  <get-acp-backbone-congestion-point-dn>
    <slot> slot </slot>
    <congestion-point-dn> congestion-point-dn </congestion-point-dn>
    <virtual-router-name> virtual-router-name </virtual-router-name>
    <style> style-choice </style>
  </get-acp-backbone-congestion-point-dn>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display congestion point by DN.

Contents

<slot>— (Optional) Number of the slot for which you want to configure values.

Value— Currently, the chassis has only one slot. The valid value is 0.

Default—0

<congestion-point-dn>— (Optional) DN of congestion point for which you want to list all matching congestion points.

Value— All or part of the congestion point DN.

Default— No value

<virtual-router-name>— (Optional) Name of virtual router from which to list congestion points.

Value— Virtual router name

Default— No value

<style>— (Optional) Output style.

Value

- **brief**— Display congestion point DN.

Default—detail

Required Privilege Level

view

<get-acp-backbone-service>

Usage

```
<rpc>
  <get-acp-backbone-service>
    <slot> slot </slot>
    <virtual-router-name> virtual-router-name </virtual-router-name>
    <service-name> service-name </service-name>
    <style> style-choice </style>
  </get-acp-backbone-service>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display information about services that SRC-ACP manages in the backbone network.

Contents

<slot>— (Optional) Number of the slot for which you want to configure values.

Value— Currently, the chassis has only one slot. The valid value is 0.

Default—0

<virtual-router-name>— (Optional) Name of virtual router from which to list backbone services.

Value— Virtual router name

Default— No value

<service-name>— (Optional) Name of service used by backbone service to generate congestion points.

Value— Service name

Default— No value

<style>— (Optional) Output style.

Value

- **brief**— Display backbone service attributes.

Default—detail

Required Privilege Level

view

Output Tag

[service](#)

<get-acp-congestion-point-by-subscriber-ip>

Usage

```
<rpc>
  <get-acp-congestion-point-by-subscriber-ip>
    <ip> ip </ip>
    <service-name> service-name </service-name>
    <maximum-results> maximum-results </maximum-results>
  </get-acp-congestion-point-by-subscriber-ip>
</rpc>
```

Release Information

Command introduced in SRC 4.1 Release

Description

Display information about congestion-points affecting one or more subscribers identified by IP address.

Contents

<ip>— IP address of the subscriber session(s) for which you want to list congestion points.

Value— A valid IP address

Default— No value

<service-name>— (Optional) Name of the service for which you want to list congestion points.

Value—

Default— No value

<maximum-results>— (Optional) Number of results to be displayed.

Value—Integer in the range 1–2147483647

Default— 25

Required Privilege Level

view

Output Tag

[user-session-congestion-points](#)

<get-acp-congestion-point-by-subscriber-login>

Usage

```
<rpc>
  <get-acp-congestion-point-by-subscriber-login>
    <login> login </login>
    <service-name> service-name </service-name>
    <maximum-results> maximum-results </maximum-results>
  </get-acp-congestion-point-by-subscriber-login>
</rpc>
```

Release Information

Command introduced in SRC 4.1 Release

Description

Display information about congestion-points affecting one or more subscribers identified by login name.

Contents

<login>— Login name of the subscriber session(s) for which you want to list congestion points.

Value— A subscriber login name

Default— No value

<service-name>— (Optional) Name of the service for which you want to list congestion points.

Value—

Default— No value

<maximum-results>— (Optional) Number of results to be displayed.

Value—Integer in the range 1–2147483647

Default— 25

Required Privilege Level

view

Output Tag

[user-session-congestion-points](#)

<get-acp-congestion-point-by-subscriber-session-id>

Usage

```
<rpc>
  <get-acp-congestion-point-by-subscriber-session-id>
    <service-name> service-name </service-name>
    <session-id> session-id </session-id>
  </get-acp-congestion-point-by-subscriber-session-id>
</rpc>
```

Release Information

Command introduced in SRC 4.1 Release

Description

Display information about congestion-points affecting one or more subscribers identified by ACP user session ID.

Contents

<service-name>— (Optional) Name of the service for which you want to list congestion points.

Value—

Default— No value

<session-id>— The ACP subscriber session ID of the subscriber session for which you want to list congestion points.

Value— An ACP subscriber session ID

Default— No value

Required Privilege Level

view

Output Tag

[user-session-congestion-points](#)

<get-acp-edge-congestion-point-dn>

Usage

```
<rpc>
  <get-acp-edge-congestion-point-dn>
    <slot> slot </slot>
    <congestion-point-dn> congestion-point-dn </congestion-point-dn>
    <instance-id> instance-id </instance-id>
    <virtual-router-name> virtual-router-name </virtual-router-name>
    <style> style-choice </style>
    <maximum-results> maximum-results </maximum-results>
  </get-acp-edge-congestion-point-dn>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display congestion point by DN.

Contents

<slot>— (Optional) Number of the slot for which you want to configure values.

Value— Currently, the chassis has only one slot. The valid value is 0.

Default—0

<congestion-point-dn>— (Optional) DN of congestion point for which you want to list all matching congestion points.

Value— All or part of the congestion point DN.

Default— No value

<instance-id>— (Optional) Name of an instance generated for a congestion point that is automatically created.

Value— All or part of the congestion point instance ID.

Default— No value

<virtual-router-name>— (Optional) Name of virtual router from which to list congestion points.

Value— Virtual router name

Default— No value

`<style>`— (Optional) Output style.

Value

- `brief`— Display congestion point DN.

Default—`detail`

`<maximum-results>`— (Optional) Number of results to be displayed.

Value—Integer in the range 1–2147483647

Default— 25

Required Privilege Level

view

Output Tag

[`intf`](#)

<get-acp-edge-congestion-point-subscriber-session-id>

Usage

```
<rpc>
  <get-acp-edge-congestion-point-subscriber-session-id>
    <slot> slot </slot>
    <session-id> session-id </session-id>
    <virtual-router-name> virtual-router-name </virtual-router-name>
    <style> style-choice </style>
    <maximum-results> maximum-results </maximum-results>
  </get-acp-edge-congestion-point-subscriber-session-id>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display congestion point by subscriber session ID.

Contents

<slot>— (Optional) Number of the slot for which you want to configure values.

Value— Currently, the chassis has only one slot. The valid value is 0.

Default—0

<session-id>— (Optional) Subscriber session ID for which you want to list all matching congestion points.

Value— All or part of the subscriber session ID.

Default— No value

<virtual-router-name>— (Optional) Name of virtual router from which to list congestion points.

Value— Virtual router name

Default— No value

<style>— (Optional) Output style.

Value

- **brief**— Display congestion point attributes.

Default—detail

<maximum-results>— (Optional) Number of results to be displayed.

Value—Integer in the range 1–2147483647

Default— 25

Required Privilege Level

view

Output Tag

[intf](#)

<get-acp-edge-subscriber>

Usage

```
<rpc>
  <get-acp-edge-subscriber>
    <slot> slot </slot>
    <virtual-router-name> virtual-router-name </virtual-router-name>
    <session-id> session-id </session-id>
    <style> style-choice </style>
  </get-acp-edge-subscriber>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display subscriber sessions in the edge network.

Contents

<slot>— (Optional) Number of the slot for which you want to configure values.

Value— Currently, the chassis has only one slot. The valid value is 0.

Default—0

<virtual-router-name>— (Optional) Name of virtual router from which to list subscriber sessions.

Value— Virtual router name

Default— No value

<session-id>— (Optional) Subscriber session ID for which you want to list all matching subscriber sessions.

Value— All or part of the subscriber session ID.

Default— No value

<style>— (Optional) Output style.

Value

- **brief**— Display subscriber session attributes.

Default—detail

Required Privilege Level

view

Output Tag

[user](#)

<get-acp-remote-update-congestion-point-dn>

Usage

```
<rpc>
  <get-acp-remote-update-congestion-point-dn>
    <slot> slot </slot>
    <congestion-point-dn> congestion-point-dn </congestion-point-dn>
    <style> style-choice </style>
  </get-acp-remote-update-congestion-point-dn>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display congestion point by DN.

Contents

<slot>— (Optional) Number of the slot for which you want to configure values.

Value— Currently, the chassis has only one slot. The valid value is 0.

Default—0

<congestion-point-dn>— (Optional) DN of congestion point for which you want to list all matching congestion points.

Value— All or part of the congestion point DN.

Default— No value

<style>— (Optional) Output style.

Value

- **brief**— Display congestion point DN.

Default—detail

Required Privilege Level

view

Output Tag

[congestion-point-context](#)

<get-acp-remote-update-congestion-point-name>

Usage

```
<rpc>
  <get-acp-remote-update-congestion-point-name>
    <slot> slot </slot>
    <device-name> device-name </device-name>
    <interface-name> interface-name </interface-name>
    <style> style-choice </style>
  </get-acp-remote-update-congestion-point-name>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display congestion point by interface name.

Contents

<slot>— (Optional) Number of the slot for which you want to configure values.

Value— Currently, the chassis has only one slot. The valid value is 0.

Default—0

<device-name>— (Optional) Device name of the congestion point.

Value— Device name

Default— No value

<interface-name>— (Optional) Interface name of the congestion point.

Value— Interface name

Default— No value

<style>— (Optional) Output style.

Value

- **brief**— Display congestion point DN.

Default—detail

Required Privilege Level

view

Output Tag

[congestion-point-context](#)

<get-acp-remote-update-subscriber>

Usage

```
<rpc>
  <get-acp-remote-update-subscriber>
    <slot> slot </slot>
    <device-name> device-name </device-name>
    <nas-port-id> nas-port-id </nas-port-id>
    <nas-ip> nas-ip </nas-ip>
    <subscriber-ip> subscriber-ip </subscriber-ip>
    <phone> phone </phone>
    <style> style-choice </style>
  </get-acp-remote-update-subscriber>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display information about subscribers added through an external application.

Contents

<slot>— (Optional) Number of the slot for which you want to configure values.

Value— Currently, the chassis has only one slot. The valid value is 0.

Default—0

<device-name>— (Optional) Device name connected to subscriber.

Value— Device name

Default— No value

<nas-port-id>— (Optional) NAS port ID of interface connected to subscriber.

Value— NAS port ID

Default— No value

<nas-ip>— (Optional) NAS IP address of device connected to subscriber.

Value— IP address

Default— No value

<subscriber-ip>— (Optional) Subscriber IP address.

Value— IP address

Default— No value

<phone>— (Optional) Subscriber phone number.

Value— Phone number

Default— No value

<style>— (Optional) Output style.

Value

- **brief**— Display congestion point DN.

Default—detail

Required Privilege Level

view

Output Tag

[user-remote-update](#)

<get-acp-statistics-device>

Usage

```
<rpc>
  <get-acp-statistics-device>
    <filter> filter </filter>
    <style> style-choice </style>
  </get-acp-statistics-device>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display SNMP information for each device.

Contents

<filter>— (Optional) Name of the device.

Value— All or part of the device name.

Default— No value

<style>— (Optional) Output style.

Value

- **brief**— Display only device names.

Default—detail

Required Privilege Level

view

Output Tag

[acp-virtual-router-impl](#)

<get-acp-statistics-directory>

Usage

```
<rpc>  
  <get-acp-statistics-directory>  
  </get-acp-statistics-directory>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display directory SNMP information.

Required Privilege Level

view

Output Tag

[acp-data-manager-impl](#)

<get-acp-statistics-general>

Usage

```
<rpc>  
  <get-acp-statistics-general>  
  </get-acp-statistics-general>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display SRC-ACP SNMP information.

Required Privilege Level

view

Output Tag

[acp-impl](#)

<request-acp-reorganize-backup-database>

Usage

```
<rpc>  
  <request-acp-reorganize-backup-database>  
    <slot> slot </slot>  
  </request-acp-reorganize-backup-database>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Reorganize the files that contain SRC-ACP data about subscribers, services, and congestion points. This action reduces the sizes of these files.

Contents

<slot>— (Optional) Number of the slot for which you want to configure values.

Value— Currently, the chassis has only one slot. The valid value is 0.

Default—0

Required Privilege Level

maintenance

<acp-data-manager-m-i-impl>

Usage

```
<acp-data-manager-m-i-impl xmlns="http://xml.juniper.net/sdx/acp-data-manager-m-i-impl">
  <number-congestion-point-object-read> number-congestion-point-object-read </number-congestion-point-object-read>
  <number-congestion-point-profile-read> number-congestion-point-profile-read </number-congestion-point-profile-read>
  <number-congestion-point-read> number-congestion-point-read </number-congestion-point-read>
  <number-service-read> number-service-read </number-service-read>
  <number-users-read> number-users-read </number-users-read>
</acp-data-manager-m-i-impl>
```

Description

ACP Data Manager SNMP information

Contents

<number-congestion-point-object-read> —Number Of Congestion Point Object Read

Value—Integer in the range -2147483648–2147483647

<number-congestion-point-profile-read> —Number Of Congestion Point Profile Read

Value—Integer in the range -2147483648–2147483647

<number-congestion-point-read> —Number Of Congestion Point Read

Value—Integer in the range -2147483648–2147483647

<number-service-read> —Number Of Service Read

Value—Integer in the range -2147483648–2147483647

<number-users-read> —Number of Users Read

Value—Integer in the range -2147483648–2147483647

<acp-m-i-impl>

Usage

```
<acp-m-i-impl xmlns="http://xml.juniper.net/sdx/acp-m-i-impl">
  <heap-limit> heap-limit </heap-limit>
  <heap-used> heap-used </heap-used>
  <master> master </master>
  <number-congestion-point-remote-update> number-congestion-point-remote-update </number-congestion-point-remote-update>
  <number-congestion-points> number-congestion-points </number-congestion-points>
  <number-filtered-remote-update> number-filtered-remote-update </number-filtered-remote-update>
  <number-ignored-tracking-events> number-ignored-tracking-events </number-ignored-tracking-events>
  <number-interface-tracking-events> number-interface-tracking-events </number-interface-tracking-events>
  <number-out-of-Sync> number-out-of-Sync </number-out-of-Sync>
  <number-ready-to-sync> number-ready-to-sync </number-ready-to-sync>
  <number-sync-complete> number-sync-complete </number-sync-complete>
  <number-sync-events> number-sync-events </number-sync-events>
  <number-threads> number-threads </number-threads>
  <number-user-remote-update> number-user-remote-update </number-user-remote-update>
  <number-virtual-routers> number-virtual-routers </number-virtual-routers>
  <up-time> up-time </up-time>
</acp-m-i-impl>
```

Description

ACP general SNMP information

Contents

<heap-limit> —Java Heap Limitation

Value—Integer in the range -2147483648–2147483647

<heap-used> —Java Heap Usage

Value—Integer in the range -2147483648–2147483647

<master> —Role In Redundancy Master/Slave

Value—Integer in the range -2147483648–2147483647

<number-congestion-point-remote-update> —Number Of Congestion Point Remote Update

Value—Integer in the range -2147483648–2147483647

<number-congestion-points> —Number Of Congestion Points

Value—Integer in the range -2147483648–2147483647

<number-filtered-remote-update> —Number Of remote update being filtered

Value—Integer in the range -2147483648–2147483647

<number-ignored-tracking-events> —Number Of Ignored Tracking Events

Value—Integer in the range -2147483648–2147483647

<number-interface-tracking-events> —Number Of Interface Tracking Events

Value—Integer in the range -2147483648–2147483647

<number-out-of-Sync> —Number Of Out Of Synchronization

Value—Integer in the range -2147483648–2147483647

<number-ready-to-sync> —Number Of Ready To Synchronization Event

Value—Integer in the range -2147483648–2147483647

<number-sync-complete> —Number Of Synchronization Complete Event

Value—Integer in the range -2147483648–2147483647

<number-sync-events> —Number Of Synchronization Event

Value—Integer in the range -2147483648–2147483647

<number-threads> —Number of Threads

Value—Integer in the range -2147483648–2147483647

<number-user-remote-update> —Number Of User Remote Update

Value—Integer in the range -2147483648–2147483647

<number-virtual-routers> —Number Of Virtual Routers

Value—Integer in the range -2147483648–2147483647

<up-time> —Up Time

Value—Integer in the range -2147483648–2147483647

<acp-virtual-router-m-i-impl>

Usage

```
<acp-virtual-router-m-i-impl xmlns="http://xml.juniper.net/sdx/acp-virtual-router-m-i-impl">
  <interim-service-event-handleTime> interim-service-event-handleTime </interim-service-event-handleTime>
  <number-backbone-service> number-backbone-service </number-backbone-service>
  <number-deny-activation> number-deny-activation </number-deny-activation>
  <number-grant-activation> number-grant-activation </number-grant-activation>
  <number-interim-service-events-received> number-interim-service-events-received </number-interim-service-
events-received>
  <number-service-auth-events-received> number-service-auth-events-received </number-service-auth-events-
received>
  <number-service-session> number-service-session </number-service-session>
  <number-start-service-events-received> number-start-service-events-received </number-start-service-events-
received>
  <number-start-user-events-received> number-start-user-events-received </number-start-user-events-received>
  <number-stop-user-events-received> number-stop-user-events-received </number-stop-user-events-received>
  <number-user-session> number-user-session </number-user-session>
  <start-service-event-handleTime> start-service-event-handleTime </start-service-event-handleTime>
  <start-user-event-handleTime> start-user-event-handleTime </start-user-event-handleTime>
  <stop-service-event-handleTime> stop-service-event-handleTime </stop-service-event-handleTime>
  <stop-user-event-handleTime> stop-user-event-handleTime </stop-user-event-handleTime>
  <virtual-router-name> virtual-router-name </virtual-router-name>
</acp-virtual-router-m-i-impl>
```

Description

ACP Virtual Router SNMP information

Contents

<interim-service-event-handleTime> —Time Handling Interim Service Events

Value—Integer in the range -2147483648–2147483647

<number-backbone-service> —Number Of Backbone Services

Value—Integer in the range -2147483648–2147483647

<number-deny-activation> —Number Of Service Activation Denies

Value—Integer in the range -2147483648–2147483647

<number-grant-activation> —Number Of Service Activation Granted

Value—Integer in the range -2147483648–2147483647

<number-interim-service-events-received> —Number Of Interim Service Tracking Event Received

Value—Integer in the range -2147483648–2147483647

<number-service-auth-events-received> —Number Of Service Authentication Events Received

Value—Integer in the range -2147483648–2147483647

<number-service-session> —Number Of Service Sessions

Value—Integer in the range -2147483648–2147483647

<number-start-service-events-received> —Number Of Start Service Tracking Events Received

Value—Integer in the range -2147483648–2147483647

<number-start-user-events-received> —Number Of Start User Tracking Events Received

Value—Integer in the range -2147483648–2147483647

<number-stop-user-events-received> —Number Of Stop User Tracking Events Received

Value—Integer in the range -2147483648–2147483647

<number-user-session> —Number Of User Sessions

Value—Integer in the range -2147483648–2147483647

<start-service-event-handleTime> —Time Handling Start Service Events

Value—Integer in the range -2147483648–2147483647

<start-user-event-handleTime> —Time Handling Start User Events

Value—Integer in the range -2147483648–2147483647

<stop-service-event-handleTime> —Time Handling Stop Service Events

Value—Integer in the range -2147483648–2147483647

<stop-user-event-handleTime> —Time Handling Stop User Events

Value—Integer in the range -2147483648–2147483647

<virtual-router-name> —Virtual Router Name

Value—Text

Style

brief

<virtual-router-name>

detail

<interim-service-event-handleTime>
<number-backbone-service>
<number-deny-activation>
<number-grant-activation>
<number-interim-service-events-received>
<number-service-auth-events-received>
<number-service-session>
<number-start-service-events-received>
<number-start-user-events-received>
<number-stop-user-events-received>
<number-user-session>
<start-service-event-handleTime>
<start-user-event-handleTime>
<stop-service-event-handleTime>
<stop-user-event-handleTime>
<virtual-router-name>

<b-b-service>

Usage

```
<b-b-service xmlns="http://xml.juniper.net/sdx/b-b-service">
  <congestion-point> congestion-point </congestion-point>
  <name> name </name>
  <provisioned-downstream-bandwidth> provisioned-downstream-bandwidth </provisioned-downstream-
bandwidth>
  <provisioned-upstream-bandwidth> provisioned-upstream-bandwidth </provisioned-upstream-bandwidth>
  <service-session xmlns="http://xml.juniper.net/sdx/service-session"> ... </service-session>
</b-b-service>
```

Description

Backbone Service Information

Contents

<congestion-point> —Congestion Point

Value—Text

<name> —Backbone service name

Value—Text

<provisioned-downstream-bandwidth> —Provisioned downstream bandwidth [kbps]

Value—Integer in the range -2147483648–2147483647

<provisioned-upstream-bandwidth> —Provisioned upstream bandwidth [kbps]

Value—Integer in the range -2147483648–2147483647

<service-session>

Multiple tag: can occur zero or more times.

[service-session](#)

Style

brief

<name>
<provisioned-downstream-bandwidth>
<provisioned-upstream-bandwidth>

detail

<congestion-point>
<name>
<provisioned-downstream-bandwidth>
<provisioned-upstream-bandwidth>
<service-session>

<b-b-services>

Usage

```
<b-b-services xmlns="http://xml.juniper.net/sdx/b-b-services">  
  <b-b-service xmlns="http://xml.juniper.net/sdx/b-b-service"> ... </b-b-service>  
</b-b-services>
```

Contents

<b-b-service>

Multiple tag: can occur zero or more times.

[b-b-service](#)

Style

brief

<b-b-service>

detail

<b-b-service>

<congestion-point-context>

Usage

```
<congestion-point-context xmlns="http://xml.juniper.net/sdx/congestion-point-context">
  <current-downstream-bandwidth> current-downstream-bandwidth </current-downstream-bandwidth>
  <current-upstream-bandwidth> current-upstream-bandwidth </current-upstream-bandwidth>
  <device-name> device-name </device-name>
  <dn> dn </dn>
  <name> name </name>
  <state> state </state>
  <update-timestamp> update-timestamp </update-timestamp>
</congestion-point-context>
```

Description

Congestion point remote update information

Contents

<current-downstream-bandwidth> —Current downstream bandwidth [kpbs]

Value—Integer in the range -2147483648–2147483647

<current-upstream-bandwidth> —Current upstream bandwidth [kpbs]

Value—Integer in the range -2147483648–2147483647

<device-name> —Network device name

Value—Text

<dn> —Congestion point DN

Value—Text

<name> —Congestion point name

Value—Text

<state> —Congestion point state

Value—Text

<update-timestamp> —Update timestamp

Value—Text

Style

brief

<device-name>

<dn>

<name>

detail

<current-downstream-bandwidth>

<current-upstream-bandwidth>

<device-name>

<dn>

<name>

<state>

<update-timestamp>

<intf>

Usage

```
<intf xmlns="http://xml.juniper.net/sdx/intf">
  <background-downstream-bandwidth> background-downstream-bandwidth </background-downstream-
bandwidth>
  <background-upstream-bandwidth> background-upstream-bandwidth </background-upstream-bandwidth>
  <current-downstream-bandwidth> current-downstream-bandwidth </current-downstream-bandwidth>
  <current-upstream-bandwidth> current-upstream-bandwidth </current-upstream-bandwidth>
  <dn> dn </dn>
  <downstream-bandwidth-usage> downstream-bandwidth-usage </downstream-bandwidth-usage>
  <instance-id> instance-id </instance-id>
  <name> name </name>
  <provisioned-downstream-bandwidth> provisioned-downstream-bandwidth </provisioned-downstream-
bandwidth>
  <provisioned-upstream-bandwidth> provisioned-upstream-bandwidth </provisioned-upstream-bandwidth>
  <upstream-bandwidth-usage> upstream-bandwidth-usage </upstream-bandwidth-usage>
</intf>
```

Description

Congestion Point Information

Contents

<background-downstream-bandwidth> —Downstream background bandwidth

Value—Text

<background-upstream-bandwidth> —Upstream background bandwidth

Value—Text

<current-downstream-bandwidth> —Downstream current bandwidth

Value—Text

<current-upstream-bandwidth> —Upstream current bandwidth

Value—Text

<dn> —DN

Value—Text

<downstream-bandwidth-usage> —Downstream bandwidth in use

Value—Text

<instance-id> —Instance ID

Value—Text

<name> —Congestion point name

Value—Text

<provisioned-downstream-bandwidth> —Downstream provisioned bandwidth

Value—Text

<provisioned-upstream-bandwidth> —Upstream provisioned bandwidth

Value—Text

<upstream-bandwidth-usage> —Upstream bandwidth in use

Value—Text

Style

brief

```
<dn>
<instance-id>
<name>
```

detail

```
<background-downstream-bandwidth>
<background-upstream-bandwidth>
<current-downstream-bandwidth>
<current-upstream-bandwidth>
<dn>
<downstream-bandwidth-usage>
<instance-id>
<name>
<provisioned-downstream-bandwidth>
<provisioned-upstream-bandwidth>
<upstream-bandwidth-usage>
```

<intfs>

Usage

```
<intfs xmlns="http://xml.juniper.net/sdx/intfs">  
  <intf xmlns="http://xml.juniper.net/sdx/intf"> ... </intf>  
</intfs>
```

Contents

<intf>

Multiple tag: can occur zero or more times.

[intf](#)

Style

brief

<intf>

detail

<intf>

<redundant-state>

Usage

```
<redundant-state xmlns="http://xml.juniper.net/sdx/redundant-state">
  <enabled> enabled </enabled>
  <remote-ior> remote-ior </remote-ior>
  <remote-state> remote-state </remote-state>
  <state> state </state>
  <sync-queue-size> sync-queue-size </sync-queue-size>
  <vr-sync-states> vr-sync-states </vr-sync-states>
</redundant-state>
```

Contents

<enabled> —Redundancy enabled

Value—Boolean

<remote-ior> —Remote ACP IOR

Value—Text

<remote-state> —Remote ACP state

Value—Text

<state> —Local ACP state

Value—Text

<sync-queue-size> —Synchronization queue size

Value—Integer in the range -9223372036854775808–9223372036854775807

<vr-sync-states> —Synchronization state per virtual router

Value—Text

<service-session>

Usage

```
<service-session xmlns="http://xml.juniper.net/sdx/service-session">
  <redundancy-state> redundancy-state </redundancy-state>
  <required-downstream-bandwidth> required-downstream-bandwidth </required-downstream-bandwidth>
  <required-upstream-bandwidth> required-upstream-bandwidth </required-upstream-bandwidth>
  <session-id> session-id </session-id>
</service-session>
```

Description

Service Session Information

Contents

<redundancy-state> —State for redundancy

Value—Text

<required-downstream-bandwidth> —Required downstream bandwidth [kpbs]

Value—Integer in the range -2147483648–2147483647

<required-upstream-bandwidth> —Required upstream bandwidth [kpbs]

Value—Integer in the range -2147483648–2147483647

<session-id> —Accounting session ID

Value—Text

<service-session-congestion-points>

Usage

```
<service-session-congestion-points xmlns="http://xml.juniper.net/sdx/service-session-congestion-points">  
  <intf xmlns="http://xml.juniper.net/sdx/intf"> ... </intf>  
  <service-session xmlns="http://xml.juniper.net/sdx/service-session"> ... </service-session>  
</service-session-congestion-points>
```

Contents

<intf>

Multiple tag: can occur zero or more times.

[intf](#)

<service-session>

[service-session](#)

<user>

Usage

```
<user xmlns="http://xml.juniper.net/sdx/user">
  <current-downstream-bandwidth> current-downstream-bandwidth </current-downstream-bandwidth>
  <current-upstream-bandwidth> current-upstream-bandwidth </current-upstream-bandwidth>
  <dn> dn </dn>
  <downstream-bandwidth-usage> downstream-bandwidth-usage </downstream-bandwidth-usage>
  <name> name </name>
  <phone> phone </phone>
  <redundancy-state> redundancy-state </redundancy-state>
  <service-session xmlns="http://xml.juniper.net/sdx/service-session"> ... </service-session>
  <upstream-bandwidth-usage> upstream-bandwidth-usage </upstream-bandwidth-usage>
  <user-info xmlns="http://xml.juniper.net/sdx/user-info"> ... </user-info>
  <user-profile xmlns="http://xml.juniper.net/sdx/user-profile"> ... </user-profile>
</user>
```

Description

User Session Information

Contents

<current-downstream-bandwidth> —Current downstream bandwidth [kpbs]

Value—Integer in the range -2147483648–2147483647

<current-upstream-bandwidth> —Current upstream bandwidth [kpbs]

Value—Integer in the range -2147483648–2147483647

<dn> —User DN

Value—Text

<downstream-bandwidth-usage> —Downstream bandwidth usage [kpbs]

Value—Integer in the range -2147483648–2147483647

<name> —User name

Value—Text

<phone> —User phone

Value—Text

<redundancy-state> —State for redundancy

Value—Text

<service-session>

Multiple tag: can occur zero or more times.

[service-session](#)

<upstream-bandwidth-usage> —Upstream bandwidth usage [kpbs]

Value—Integer in the range -2147483648–2147483647

<user-info>

[user-info](#)

<user-profile>

[user-profile](#)

Style

brief

<dn>
<name>

detail

<current-downstream-bandwidth>
<current-upstream-bandwidth>
<dn>
<downstream-bandwidth-usage>
<name>
<phone>
<redundancy-state>
<service-session>
<upstream-bandwidth-usage>
<user-info>
<user-profile>

<user-info>

Usage

```
<user-info xmlns="http://xml.juniper.net/sdx/user-info">
  <nas-ip-address> nas-ip-address </nas-ip-address>
  <nas-port-id> nas-port-id </nas-port-id>
  <session-id> session-id </session-id>
  <user-ip-address> user-ip-address </user-ip-address>
  <virtual-router> virtual-router </virtual-router>
</user-info>
```

Description

User Information from tracking event

Contents

<nas-ip-address> —NAS IP address

Value—Text

<nas-port-id> —NAS port ID

Value—Text

<session-id> —User session ID

Value—Text

<user-ip-address> —User IP address

Value—Text

<virtual-router> —Virtual router name

Value—Text

<user-profile>

Usage

```
<user-profile xmlns="http://xml.juniper.net/sdx/user-profile">
  <phone> phone </phone>
  <provisioned-downstream-bandwidth> provisioned-downstream-bandwidth </provisioned-downstream-bandwidth>
  <provisioned-upstream-bandwidth> provisioned-upstream-bandwidth </provisioned-upstream-bandwidth>
</user-profile>
```

Description

User Information

Contents

<phone> —Phone in user profile

Value—Text

<provisioned-downstream-bandwidth> —Provisioned downstream bandwidth [kbps]

Value—Integer in the range -2147483648–2147483647

<provisioned-upstream-bandwidth> —Provisioned upstream bandwidth [kbps]

Value—Integer in the range -2147483648–2147483647

<user-remote-update>

Usage

```
<user-remote-update xmlns="http://xml.juniper.net/sdx/user-remote-update">
  <current-downstream-bandwidth> current-downstream-bandwidth </current-downstream-bandwidth>
  <current-upstream-bandwidth> current-upstream-bandwidth </current-upstream-bandwidth>
  <device-name> device-name </device-name>
  <nas-ip-address> nas-ip-address </nas-ip-address>
  <nas-port-id> nas-port-id </nas-port-id>
  <phone> phone </phone>
  <update-timestamp> update-timestamp </update-timestamp>
  <user-ip-address> user-ip-address </user-ip-address>
</user-remote-update>
```

Description

User remote update information

Contents

<current-downstream-bandwidth> —Current downstream bandwidth [kpbs]

Value—Integer in the range -2147483648–2147483647

<current-upstream-bandwidth> —Current upstream bandwidth [kpbs]

Value—Integer in the range -2147483648–2147483647

<device-name> —Network device name

Value—Text

<nas-ip-address> —NAS IP address

Value—Text

<nas-port-id> —NAS port ID

Value—Text

<phone> —Phone

Value—Text

<update-timestamp> —Update timestamp

Value—Text

<user-ip-address> —User IP address

Value—Text

Style

brief

<device-name>
<nas-ip-address>
<nas-port-id>
<phone>

detail

<current-downstream-bandwidth>
<current-upstream-bandwidth>
<device-name>
<nas-ip-address>
<nas-port-id>
<phone>
<update-timestamp>

<user-session-congestion-points>

Usage

```
<user-session-congestion-points xmlns="http://xml.juniper.net/sdx/user-session-congestion-points">  
  <_intf xmlns="http://xml.juniper.net/sdx/intf"> ... </_intf>  
  <service-session-congestion-points xmlns="http://xml.juniper.net/sdx/service-session-congestion-points"> ...  
</service-session-congestion-points>  
  <user xmlns="http://xml.juniper.net/sdx/user"> ... </user>  
</user-session-congestion-points>
```

Description

User Session Congestion Point Information

Contents

<_intf>

Multiple tag: can occur zero or more times.
[intf](#)

<service-session-congestion-points>

Multiple tag: can occur zero or more times.
[service-session-congestion-points](#)

<user>

[user](#)

<user-sessions-congestion-points>

Usage

```
<user-sessions-congestion-points xmlns="http://xml.juniper.net/sdx/user-sessions-congestion-points">  
  <user-session-congestion-points xmlns="http://xml.juniper.net/sdx/user-session-congestion-points"> ... </user-session-congestion-points>  
</user-sessions-congestion-points>
```

Contents

<user-session-congestion-points>

Multiple tag: can occur zero or more times.

[user-session-congestion-points](#)

Redirect Server Operational Tag Elements

[Table 22](#) lists the SRC CLI operational mode commands that have corresponding SRC XML request tag elements in the current version of the SRC software, and maps each command to its request tag element. CLI configuration commands and statements are listed in alphabetical order.

For a list of mappings organized alphabetically by request tag element name, see [Table 23](#). For more information about CLI commands, see the *SRC PE CLI Command Reference*.

Table 22: Mapping of Redirect Server CLI Commands to Operational Tag Elements

| CLI Command | Request Tag Element |
|---------------------------------|---------------------------------|
| show redirect server statistics | show-redirect-server-statistics |

[Table 23](#) maps SRC XML operational request tag elements to SRC CLI commands. Tag elements are listed in alphabetical order.

Table 23: Mapping of Redirect Server Operational Tag Elements to CLI Commands

| Request Tag Element | CLI Command |
|---|---------------------------------|
| show-redirect-server-statistics | show redirect server statistics |

<show-redirect-server-statistics>

Usage

```
<rpc>  
  <show-redirect-server-statistics>  
    <output-style> output-style-choice </output-style>  
  </show-redirect-server-statistics>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display statistics for redirect server.

Contents

<output-style>— (Optional) Output style.

Value

- **brief**— Display brief information.

Default—normal

Required Privilege Level

view

Output Tag

[redir-statistics](#)

External Subscriber Monitor Operational Tag Elements

[Table 24](#) lists the SRC CLI operational mode commands that have corresponding SRC XML request tag elements in the current version of the SRC software, and maps each command to its request tag element. CLI configuration commands and statements are listed in alphabetical order.

For a list of mappings organized alphabetically by request tag element name, see [Table 25](#). For more information about CLI commands, see the *SRC PE CLI Command Reference*.

For a list of response tag elements, see [Table 26](#).

Table 24: Mapping of External Subscriber Monitor CLI Commands to Operational Tag Elements

| CLI Command | Request Tag Element |
|--|---|
| show external-subscriber-monitor statistics event-notifications | get-monAgent-statistics-event-notifications |
| show external-subscriber-monitor statistics process | get-monAgent-statistics-process |
| show external-subscriber-monitor statistics radius-accounting | get-radius |
| show external-subscriber-monitor statistics radius-authorization | get-radius-authorization |

[Table 25](#) maps SRC XML operational request tag elements to SRC CLI commands. Tag elements are listed in alphabetical order.

Table 25: Mapping of External Subscriber Monitor Operational Tag Elements to CLI Commands

| Request Tag Element | CLI Command |
|---|--|
| get-monAgent-statistics-event-notifications | show external-subscriber-monitor statistics event-notifications |
| get-monAgent-statistics-process | show external-subscriber-monitor statistics process |
| get-radius | show external-subscriber-monitor statistics radius-accounting |
| get-radius-authorization | show external-subscriber-monitor statistics radius-authorization |

[Table 26](#) lists the SRC XML operational response tag elements. Tag elements are listed in alphabetical order.

Table 26: Operational Response Tag Elements

| Response Tag Element |
|-----------------------------------|
| notification-stat |
| |

| |
|---|
| process-stat |
| radius-auth-client-stat |
| radius-auth-stat |
| radius-client-stat |
| radius-stat |

<get-monAgent-statistics-event-notifications>

Usage

```
<rpc>  
  <get-monAgent-statistics-event-notifications>  
  </get-monAgent-statistics-event-notifications>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display statistics about event notifications, including the number of ipUp and ipDown notifications sent.

Required Privilege Level

view

Output Tag

[notification-stat](#)

<get-monAgent-statistics-process>

Usage

```
<rpc>  
  <get-monAgent-statistics-process>  
  </get-monAgent-statistics-process>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display process information for External Subscriber Monitor, including up time and memory usage.

Required Privilege Level

view

Output Tag

[process-stat](#)

<get-radius>

Usage

```
<rpc>
  <get-radius>
    <client-address> client-address </client-address>
    <style> style-choice </style>
  </get-radius>
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display RADIUS accounting statistics for External Subscriber Monitor.

Contents

<client-address>— (Optional) IP address of a RADIUS accounting client. If you do not specify a valid client address, statistics for all clients are displayed.

Value—Text

Default— No value

<style>— (Optional) Output style

Value

- **brief**— Display only total number of RADIUS packets sent or received.

Default— Detail

Required Privilege Level

view

Output Tag

[radius-stat](#)

<get-radius-authorization>

Usage

```
<rpc>
  <get-radius-authorization>
    <client-address> client-address </client-address>
    <style> style-choice </style>
  </get-radius-authorization>
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display RADIUS authorization statistics for External Subscriber Monitor.

Contents

<client-address>— (Optional) IP address of a RADIUS authorization client. If you do not specify a valid client address, statistics for all clients are displayed.

Value—Text

Default— No value

<style>— (Optional) Output style

Value

- **brief**— Display only total number of RADIUS packets sent or received.

Default— Detail

Required Privilege Level

view

Output Tag

[radius-auth-stat](#)

<notification-stat>

Usage

```
<notification-stat xmlns="http://xml.juniper.net/sdx/notification-stat">
  <number-ip-down> number-ip-down </number-ip-down>
  <number-ip-down-dropped> number-ip-down-dropped </number-ip-down-dropped>
  <number-ip-down-queued> number-ip-down-queued </number-ip-down-queued>
  <number-ip-down-retries> number-ip-down-retries </number-ip-down-retries>
  <number-ip-down-sent> number-ip-down-sent </number-ip-down-sent>
  <number-ip-up> number-ip-up </number-ip-up>
  <number-ip-up-dropped> number-ip-up-dropped </number-ip-up-dropped>
  <number-ip-up-queued> number-ip-up-queued </number-ip-up-queued>
  <number-ip-up-retries> number-ip-up-retries </number-ip-up-retries>
  <number-ip-up-sent> number-ip-up-sent </number-ip-up-sent>
  <number-nic-lookup-retries> number-nic-lookup-retries </number-nic-lookup-retries>
</notification-stat>
```

Contents

<number-ip-down> —Number of ipDown events

The total number of ipDown including ipDown sent and IpDown queued

Value—Integer in the range -9223372036854775808–9223372036854775807

<number-ip-down-dropped> —Number of ipDown dropped

Value—Integer in the range -9223372036854775808–9223372036854775807

<number-ip-down-queued> —Number of ipDown queued

Value—Integer in the range -9223372036854775808–9223372036854775807

<number-ip-down-retries> —Number of ipDown retries

Value—Integer in the range -9223372036854775808–9223372036854775807

<number-ip-down-sent> —Number of ipDown sent

Value—Integer in the range -9223372036854775808–9223372036854775807

<number-ip-up> —Number of ipUp events

The total number of ipUp including ipUp sent and IpUp queued

Value—Integer in the range -9223372036854775808–9223372036854775807

<number-ip-up-dropped> —Number of ipUp dropped

Value—Integer in the range -9223372036854775808–9223372036854775807

<number-ip-up-queued> —Number of ipUp queued

Value—Integer in the range -9223372036854775808–9223372036854775807

<number-ip-up-retries> —Number of ipUp retries

Value—Integer in the range -9223372036854775808–9223372036854775807

<number-ip-up-sent> —Number of ipUp sent

Value—Integer in the range -9223372036854775808–9223372036854775807

<number-nic-lookup-retries> —Number of Nic lookup retries

Value—Integer in the range -9223372036854775808–9223372036854775807

<process-stat>

Usage

```
<process-stat xmlns="http://xml.juniper.net/sdx/process-stat">  
  <heap-in-use> heap-in-use </heap-in-use>  
  <heap-limit> heap-limit </heap-limit>  
  <threads> threads </threads>  
  <up-time> up-time </up-time>  
</process-stat>
```

Contents

<heap-in-use> —Heap in use

Value—Text

<heap-limit> —heap Limit

Value—Text

<threads> —Threads

Value—Integer in the range -2147483648–2147483647

<up-time> —Up Time

Value—Text

<radius-auth-client-stat>

Usage

```
<radius-auth-client-stat xmlns="http://xml.juniper.net/sdx/radius-auth-client-stat">
  <client-address> client-address </client-address>
  <num-request-per-s> num-request-per-s </num-request-per-s>
  <number-access-accept> number-access-accept </number-access-accept>
  <number-access-reject> number-access-reject </number-access-reject>
  <number-access-req> number-access-req </number-access-req>
  <number-access-req-dropped> number-access-req-dropped </number-access-req-dropped>
  <number-dropped-response> number-dropped-response </number-dropped-response>
</radius-auth-client-stat>
```

Contents

<client-address> —Client Address

Client Address

Value—Text

<num-request-per-s> —Number of access request received per second

Value—Integer in the range -2147483648–2147483647

<number-access-accept> —Number of RADIUS access-accept sent

The total number of RADIUS access-accept sent

Value—Integer in the range -2147483648–2147483647

<number-access-reject> —Number of RADIUS access-reject sent

The total number of RADIUS access-reject sent

Value—Integer in the range -2147483648–2147483647

<number-access-req> —Number of RADIUS access-request received

The Number of received RADIUS access-request

Value—Integer in the range -2147483648–2147483647

<number-access-req-dropped> —Number of RADIUS access-request dropped

The total number of dropped RADIUS access-request

Value—Integer in the range -2147483648–2147483647

<number-dropped-response> —Number of RADIUS access responses dropped

The total number of dropped response

Value—Integer in the range -2147483648–2147483647

<radius-auth-stat>

Usage

```
<radius-auth-stat xmlns="http://xml.juniper.net/sdx/radius-auth-stat">
  <dropped-access-req> dropped-access-req </dropped-access-req>
  <radius-auth-client-stat xmlns="http://xml.juniper.net/sdx/radius-auth-client-stat"> ... </radius-auth-client-stat>
  <received-access-req> received-access-req </received-access-req>
  <response-discarded-packets> response-discarded-packets </response-discarded-packets>
  <response-sent> response-sent </response-sent>
</radius-auth-stat>
```

Contents

<dropped-access-req> —Number of RADIUS access-request dropped

Value—Integer in the range -2147483648–2147483647

<radius-auth-client-stat>

Multiple tag: can occur zero or more times.

[radius-auth-client-stat](#)

<received-access-req> —Number of RADIUS access-request received

Value—Integer in the range -2147483648–2147483647

<response-discarded-packets> —Number of RADIUS access responses dropped

Value—Integer in the range -2147483648–2147483647

<response-sent> —Number of RADIUS access responses sent

Value—Integer in the range -2147483648–2147483647

Style

brief

```
<dropped-access-req>
<received-access-req>
<response-discarded-packets>
<response-sent>
```


detail

<radius-auth-client-stat>

<radius-client-stat>

Usage

```
<radius-client-stat xmlns="http://xml.juniper.net/sdx/radius-client-stat">
  <client-ip> client-ip </client-ip>
  <num-acct-discarded> num-acct-discarded </num-acct-discarded>
  <number-acct-interim> number-acct-interim </number-acct-interim>
  <number-acct-start> number-acct-start </number-acct-start>
  <number-acct-stop> number-acct-stop </number-acct-stop>
</radius-client-stat>
```

Contents

<client-ip> —Client Address

Client Address

Value—Text

<num-acct-discarded> —Number of accounting request discarded

The total number of discarded requests

Value—Integer in the range -2147483648–2147483647

<number-acct-interim> —Number of accounting interim received

The total number of accounting interim request for this client

Value—Integer in the range -9223372036854775808–9223372036854775807

<number-acct-start> —Number of accounting start received

The total number of accounting start request for this client

Value—Integer in the range -9223372036854775808–9223372036854775807

<number-acct-stop> —Number of accounting stop received

The total number of accounting stop request for this client

Value—Integer in the range -9223372036854775808–9223372036854775807

<radius-stat>

Usage

```
<radius-stat xmlns="http://xml.juniper.net/sdx/radius-stat">
  <radius-client-stat xmlns="http://xml.juniper.net/sdx/radius-client-stat"> ... </radius-client-stat>
  <received-radius-packet> received-radius-packet </received-radius-packet>
  <responded-packets> responded-packets </responded-packets>
</radius-stat>
```

Contents

<radius-client-stat>

Multiple tag: can occur zero or more times.

[radius-client-stat](#)

<received-radius-packet> —Number of received accounting request

Value—Integer in the range -9223372036854775808–9223372036854775807

<responded-packets> —Number of sent accounting response

Value—Integer in the range -9223372036854775808–9223372036854775807

Style

brief

```
<received-radius-packet>
<responded-packets>
```

detail

```
<radius-client-stat>
```


Dynamic Service Activator Operational Tag Elements

[Table 27](#) lists the SRC CLI operational mode commands that have corresponding SRC XML request tag elements in the current version of the SRC software, and maps each command to its request tag element. CLI configuration commands and statements are listed in alphabetical order.

For a list of mappings organized alphabetically by request tag element name, see [Table 28](#). For more information about CLI commands, see the *SRC PE CLI Command Reference*.

For a list of response tag elements, see [Table 29](#).

Table 27: Mapping of Dynamic Service Activator CLI Commands to Operational Tag Elements

CLI Command	Request Tag Element
show dsa statistics general	get-dsa-statistics-general
show dsa statistics nic proxy	get-dsa-statistics-nic-proxy
show dsa statistics soap operation	get-dsa-statistics-soap-operation
test dsa dsa service environment clear	test-dsa-dsa-service-environment-clear
test dsa dsa service environment clear client id	test-dsa-dsa-service-environment-clear-client-id
test dsa dsa service environment clear client password	test-dsa-dsa-service-environment-clear-client-password
test dsa dsa service environment clear host	test-dsa-dsa-service-environment-clear-host
test dsa dsa service environment clear port	test-dsa-dsa-service-environment-clear-port
test dsa dsa service environment clear subscriber id	test-dsa-dsa-service-environment-clear-subscriber-id
test dsa dsa service environment clear subscriber password	test-dsa-dsa-service-environment-clear-subscriber-password
test dsa dsa service environment clear subscriber uri	test-dsa-dsa-service-environment-clear-subscriber-uri
test dsa dsa service environment set	test-dsa-dsa-service-environment-set
test dsa dsa service environment set subscriber uri	test-dsa-dsa-service-environment-set-subscriber-uri
test dsa dsa service environment show	test-dsa-dsa-service-environment-show
test dsa dsa service environment show client id	test-dsa-dsa-service-environment-show-client-id
test dsa dsa service environment show client password	test-dsa-dsa-service-environment-show-client-password
test dsa dsa service environment show host	test-dsa-dsa-service-environment-show-host

test dsa dsa service environment show port	test-dsa-dsa-service-environment-show-port
test dsa dsa service environment show subscriber id	test-dsa-dsa-service-environment-show-subscriber-id
test dsa dsa service environment show subscriber password	test-dsa-dsa-service-environment-show-subscriber-password
test dsa dsa service environment show subscriber uri	test-dsa-dsa-service-environment-show-subscriber-uri
test dsa dsa service invoke gateway extension	test-dsa-dsa-service-invoke-gateway-extension
test dsa dsa service invoke script	test-dsa-dsa-service-invoke-script
test dsa dsa service subscriber activate service	test-dsa-dsa-service-subscriber-activate-service
test dsa dsa service subscriber deactivate service	test-dsa-dsa-service-subscriber-deactivate-service
test dsa dsa service subscriber login	test-dsa-dsa-service-subscriber-login
test dsa dsa service subscriber logout	test-dsa-dsa-service-subscriber-logout
test dsa dsa service subscriber modify service	test-dsa-dsa-service-subscriber-modify-service
test dsa dsa service subscriber read subscription	test-dsa-dsa-service-subscriber-read-subscription
test dsa dsa service subscribers activate service	test-dsa-dsa-service-subscribers-activate-service
test dsa dsa service subscribers deactivate service	test-dsa-dsa-service-subscribers-deactivate-service
test dsa dsa service subscribers login	test-dsa-dsa-service-subscribers-login
test dsa dsa service subscribers logout	test-dsa-dsa-service-subscribers-logout
test dsa dsa service subscribers modify service	test-dsa-dsa-service-subscribers-modify-service
test dsa dsa service subscribers read	test-dsa-dsa-service-subscribers-read
test dsa dsa service subscribers read subscriber	test-dsa-dsa-service-subscribers-read-subscriber
test dsa dsa service subscribers read subscription	test-dsa-dsa-service-subscribers-read-subscription
test dsa dsa2 service environment clear	test-dsa-dsa2-service-environment-clear
test dsa dsa2 service environment clear client id	test-dsa-dsa2-service-environment-clear-client-id
test dsa dsa2 service environment clear client password	test-dsa-dsa2-service-environment-clear-client-password
test dsa dsa2 service environment clear host	test-dsa-dsa2-service-environment-clear-host
test dsa dsa2 service environment clear port	test-dsa-dsa2-service-environment-clear-port
test dsa dsa2 service environment clear subscriber id	test-dsa-dsa2-service-environment-clear-subscriber-id
test dsa dsa2 service environment clear subscriber password	test-dsa-dsa2-service-environment-clear-subscriber-password
test dsa dsa2 service environment clear	test-dsa-dsa2-service-environment-clear-

subscriber uri	subscriber-uri
test dsa dsa2 service environment set	test-dsa-dsa2-service-environment-set
test dsa dsa2 service environment set subscriber uri	test-dsa-dsa2-service-environment-set-subscriber-uri
test dsa dsa2 service environment show	test-dsa-dsa2-service-environment-show
test dsa dsa2 service environment show client id	test-dsa-dsa2-service-environment-show-client-id
test dsa dsa2 service environment show client password	test-dsa-dsa2-service-environment-show-client-password
test dsa dsa2 service environment show host	test-dsa-dsa2-service-environment-show-host
test dsa dsa2 service environment show port	test-dsa-dsa2-service-environment-show-port
test dsa dsa2 service environment show subscriber id	test-dsa-dsa2-service-environment-show-subscriber-id
test dsa dsa2 service environment show subscriber password	test-dsa-dsa2-service-environment-show-subscriber-password
test dsa dsa2 service environment show subscriber uri	test-dsa-dsa2-service-environment-show-subscriber-uri
test dsa dsa2 service invoke gateway extension	test-dsa-dsa2-service-invoke-gateway-extension
test dsa dsa2 service invoke script	test-dsa-dsa2-service-invoke-script
test dsa dsa2 service subscriber activate service	test-dsa-dsa2-service-subscriber-activate-service
test dsa dsa2 service subscriber deactivate service	test-dsa-dsa2-service-subscriber-deactivate-service
test dsa dsa2 service subscriber login	test-dsa-dsa2-service-subscriber-login
test dsa dsa2 service subscriber logout	test-dsa-dsa2-service-subscriber-logout
test dsa dsa2 service subscriber modify service	test-dsa-dsa2-service-subscriber-modify-service
test dsa dsa2 service subscriber read subscription	test-dsa-dsa2-service-subscriber-read-subscription
test dsa dsa2 service subscribers activate service	test-dsa-dsa2-service-subscribers-activate-service
test dsa dsa2 service subscribers deactivate service	test-dsa-dsa2-service-subscribers-deactivate-service
test dsa dsa2 service subscribers login	test-dsa-dsa2-service-subscribers-login
test dsa dsa2 service subscribers logout	test-dsa-dsa2-service-subscribers-logout
test dsa dsa2 service subscribers modify service	test-dsa-dsa2-service-subscribers-modify-service
test dsa dsa2 service subscribers read	test-dsa-dsa2-service-subscribers-read
test dsa dsa2 service subscribers read subscriber	test-dsa-dsa2-service-subscribers-read-subscriber
test dsa dsa2 service subscribers read subscription	test-dsa-dsa2-service-subscribers-read-subscription

test dsa pcmm service commit resources	test-dsa-pcmm-service-commit-resources
test dsa pcmm service environment clear	test-dsa-pcmm-service-environment-clear
test dsa pcmm service environment clear client id	test-dsa-pcmm-service-environment-clear-client-id
test dsa pcmm service environment clear client password	test-dsa-pcmm-service-environment-clear-client-password
test dsa pcmm service environment clear host	test-dsa-pcmm-service-environment-clear-host
test dsa pcmm service environment clear port	test-dsa-pcmm-service-environment-clear-port
test dsa pcmm service environment clear subscriber address	test-dsa-pcmm-service-environment-clear-subscriber-address
test dsa pcmm service environment clear subscriber uri	test-dsa-pcmm-service-environment-clear-subscriber-uri
test dsa pcmm service environment set	test-dsa-pcmm-service-environment-set
test dsa pcmm service environment show	test-dsa-pcmm-service-environment-show
test dsa pcmm service environment show client id	test-dsa-pcmm-service-environment-show-client-id
test dsa pcmm service environment show client password	test-dsa-pcmm-service-environment-show-client-password
test dsa pcmm service environment show host	test-dsa-pcmm-service-environment-show-host
test dsa pcmm service environment show port	test-dsa-pcmm-service-environment-show-port
test dsa pcmm service environment show subscriber address	test-dsa-pcmm-service-environment-show-subscriber-address
test dsa pcmm service environment show subscriber uri	test-dsa-pcmm-service-environment-show-subscriber-uri
test dsa pcmm service query available services	test-dsa-pcmm-service-query-available-services
test dsa pcmm service query contexts	test-dsa-pcmm-service-query-contexts
test dsa pcmm service release resources	test-dsa-pcmm-service-release-resources

[Table 28](#) maps SRC XML operational request tag elements to SRC CLI commands. Tag elements are listed in alphabetical order.

Table 28: Mapping of Dynamic Service Activator Operational Tag Elements to CLI Commands

Request Tag Element	CLI Command
get-dsa-statistics-general	show dsa statistics general
get-dsa-statistics-nic-proxy	show dsa statistics nic proxy
get-dsa-statistics-soap-operation	show dsa statistics soap operation
test-dsa-dsa-service-environment-clear	test dsa dsa service environment clear

test-dsa-dsa-service-environment-clear-client-id	test dsa dsa service environment clear client id
test-dsa-dsa-service-environment-clear-client-password	test dsa dsa service environment clear client password
test-dsa-dsa-service-environment-clear-host	test dsa dsa service environment clear host
test-dsa-dsa-service-environment-clear-port	test dsa dsa service environment clear port
test-dsa-dsa-service-environment-clear-subscriber-id	test dsa dsa service environment clear subscriber id
test-dsa-dsa-service-environment-clear-subscriber-password	test dsa dsa service environment clear subscriber password
test-dsa-dsa-service-environment-clear-subscriber-uri	test dsa dsa service environment clear subscriber uri
test-dsa-dsa-service-environment-set	test dsa dsa service environment set
test-dsa-dsa-service-environment-set-subscriber-uri	test dsa dsa service environment set subscriber uri
test-dsa-dsa-service-environment-show	test dsa dsa service environment show
test-dsa-dsa-service-environment-show-client-id	test dsa dsa service environment show client id
test-dsa-dsa-service-environment-show-client-password	test dsa dsa service environment show client password
test-dsa-dsa-service-environment-show-host	test dsa dsa service environment show host
test-dsa-dsa-service-environment-show-port	test dsa dsa service environment show port
test-dsa-dsa-service-environment-show-subscriber-id	test dsa dsa service environment show subscriber id
test-dsa-dsa-service-environment-show-subscriber-password	test dsa dsa service environment show subscriber password
test-dsa-dsa-service-environment-show-subscriber-uri	test dsa dsa service environment show subscriber uri
test-dsa-dsa-service-invoke-gateway-extension	test dsa dsa service invoke gateway extension
test-dsa-dsa-service-invoke-script	test dsa dsa service invoke script
test-dsa-dsa-service-subscriber-activate-service	test dsa dsa service subscriber activate service
test-dsa-dsa-service-subscriber-deactivate-service	test dsa dsa service subscriber deactivate service
test-dsa-dsa-service-subscriber-login	test dsa dsa service subscriber login
test-dsa-dsa-service-subscriber-logout	test dsa dsa service subscriber logout
test-dsa-dsa-service-subscriber-modify-service	test dsa dsa service subscriber modify service
test-dsa-dsa-service-subscriber-read-subscription	test dsa dsa service subscriber read subscription
test-dsa-dsa-service-subscribers-activate-service	test dsa dsa service subscribers activate service

test-dsa-dsa-service-subscribers-deactivate-service	test dsa dsa service subscribers deactivate service
test-dsa-dsa-service-subscribers-login	test dsa dsa service subscribers login
test-dsa-dsa-service-subscribers-logout	test dsa dsa service subscribers logout
test-dsa-dsa-service-subscribers-modify-service	test dsa dsa service subscribers modify service
test-dsa-dsa-service-subscribers-read	test dsa dsa service subscribers read
test-dsa-dsa-service-subscribers-read-subscriber	test dsa dsa service subscribers read subscriber
test-dsa-dsa-service-subscribers-read-subscription	test dsa dsa service subscribers read subscription
test-dsa-dsa2-service-environment-clear	test dsa dsa2 service environment clear
test-dsa-dsa2-service-environment-clear-client-id	test dsa dsa2 service environment clear client id
test-dsa-dsa2-service-environment-clear-client-password	test dsa dsa2 service environment clear client password
test-dsa-dsa2-service-environment-clear-host	test dsa dsa2 service environment clear host
test-dsa-dsa2-service-environment-clear-port	test dsa dsa2 service environment clear port
test-dsa-dsa2-service-environment-clear-subscriber-id	test dsa dsa2 service environment clear subscriber id
test-dsa-dsa2-service-environment-clear-subscriber-password	test dsa dsa2 service environment clear subscriber password
test-dsa-dsa2-service-environment-clear-subscriber-uri	test dsa dsa2 service environment clear subscriber uri
test-dsa-dsa2-service-environment-set	test dsa dsa2 service environment set
test-dsa-dsa2-service-environment-set-subscriber-uri	test dsa dsa2 service environment set subscriber uri
test-dsa-dsa2-service-environment-show	test dsa dsa2 service environment show
test-dsa-dsa2-service-environment-show-client-id	test dsa dsa2 service environment show client id
test-dsa-dsa2-service-environment-show-client-password	test dsa dsa2 service environment show client password
test-dsa-dsa2-service-environment-show-host	test dsa dsa2 service environment show host
test-dsa-dsa2-service-environment-show-port	test dsa dsa2 service environment show port
test-dsa-dsa2-service-environment-show-subscriber-id	test dsa dsa2 service environment show subscriber id
test-dsa-dsa2-service-environment-show-subscriber-password	test dsa dsa2 service environment show subscriber password
test-dsa-dsa2-service-environment-show-subscriber-uri	test dsa dsa2 service environment show subscriber uri
test-dsa-dsa2-service-invoke-gateway-extension	test dsa dsa2 service invoke gateway extension

test-dsa-dsa2-service-invoke-script	test dsa dsa2 service invoke script
test-dsa-dsa2-service-subscriber-activate-service	test dsa dsa2 service subscriber activate service
test-dsa-dsa2-service-subscriber-deactivate-service	test dsa dsa2 service subscriber deactivate service
test-dsa-dsa2-service-subscriber-login	test dsa dsa2 service subscriber login
test-dsa-dsa2-service-subscriber-logout	test dsa dsa2 service subscriber logout
test-dsa-dsa2-service-subscriber-modify-service	test dsa dsa2 service subscriber modify service
test-dsa-dsa2-service-subscriber-read-subscription	test dsa dsa2 service subscriber read subscription
test-dsa-dsa2-service-subscribers-activate-service	test dsa dsa2 service subscribers activate service
test-dsa-dsa2-service-subscribers-deactivate-service	test dsa dsa2 service subscribers deactivate service
test-dsa-dsa2-service-subscribers-login	test dsa dsa2 service subscribers login
test-dsa-dsa2-service-subscribers-logout	test dsa dsa2 service subscribers logout
test-dsa-dsa2-service-subscribers-modify-service	test dsa dsa2 service subscribers modify service
test-dsa-dsa2-service-subscribers-read	test dsa dsa2 service subscribers read
test-dsa-dsa2-service-subscribers-read-subscriber	test dsa dsa2 service subscribers read subscriber
test-dsa-dsa2-service-subscribers-read-subscription	test dsa dsa2 service subscribers read subscription
test-dsa-pcmm-service-commit-resources	test dsa pcmm service commit resources
test-dsa-pcmm-service-environment-clear	test dsa pcmm service environment clear
test-dsa-pcmm-service-environment-clear-client-id	test dsa pcmm service environment clear client id
test-dsa-pcmm-service-environment-clear-client-password	test dsa pcmm service environment clear client password
test-dsa-pcmm-service-environment-clear-host	test dsa pcmm service environment clear host
test-dsa-pcmm-service-environment-clear-port	test dsa pcmm service environment clear port
test-dsa-pcmm-service-environment-clear-subscriber-address	test dsa pcmm service environment clear subscriber address
test-dsa-pcmm-service-environment-clear-subscriber-uri	test dsa pcmm service environment clear subscriber uri
test-dsa-pcmm-service-environment-set	test dsa pcmm service environment set
test-dsa-pcmm-service-environment-show	test dsa pcmm service environment show
test-dsa-pcmm-service-environment-show-client-id	test dsa pcmm service environment show client id

test-dsa-pcmm-service-environment-show-client-password	test dsa pcmm service environment show client password
test-dsa-pcmm-service-environment-show-host	test dsa pcmm service environment show host
test-dsa-pcmm-service-environment-show-port	test dsa pcmm service environment show port
test-dsa-pcmm-service-environment-show-subscriber-address	test dsa pcmm service environment show subscriber address
test-dsa-pcmm-service-environment-show-subscriber-uri	test dsa pcmm service environment show subscriber uri
test-dsa-pcmm-service-query-available-services	test dsa pcmm service query available services
test-dsa-pcmm-service-query-contexts	test dsa pcmm service query contexts
test-dsa-pcmm-service-release-resources	test dsa pcmm service release resources

[Table 29](#) lists the SRC XML operational response tag elements. Tag elements are listed in alphabetical order.

Table 29: Operational Response Tag Elements

Response Tag Element
dsa-general-stats
generic
nic-proxy-stats
service-attribute
soap-op-stats
subscriber-read-subscription
subscriber-session
subscribers-read
subscribers-read-subscriber
subscription-attribute

<get-dsa-statistics-general>

Usage

```
<rpc>  
  <get-dsa-statistics-general>  
  </get-dsa-statistics-general>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display general information for Dynamic Service Activator.

Required Privilege Level

view

Output Tag

[dsa-general-stats](#)

<get-dsa-statistics-nic-proxy>

Usage

```
<rpc>
  <get-dsa-statistics-nic-proxy>
    <proxy-name> proxy-name </proxy-name>
  </get-dsa-statistics-nic-proxy>
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display information about the NIC proxies for Dynamic Service Activator.

Contents

<proxy-name>— Name of the NIC proxy.

Value— NIC proxy name.

Default— No value

Required Privilege Level

view

Output Tag

[nic-proxy-stats](#)

<get-dsa-statistics-soap-operation>

Usage

```
<rpc>  
  <get-dsa-statistics-soap-operation>  
    <operation-name> operation-name </operation-name>  
  </get-dsa-statistics-soap-operation>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display information about the SOAP operations for Dynamic Service Activator.

Contents

<operation-name>— Name of the SOAP operation.

Value—Text

Required Privilege Level

view

Output Tag

[soap-op-stats](#)

<test-dsa-dsa-service-environment-clear>

Usage

```
<rpc>  
  <test-dsa-dsa-service-environment-clear>  
  </test-dsa-dsa-service-environment-clear>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Delete Dynamic Service Activator service test settings for the current subscriber session.

Required Privilege Level

maintenance

<test-dsa-dsa-service-environment-clear-client-id>

Usage

```
<rpc>  
  <test-dsa-dsa-service-environment-clear-client-id>  
  </test-dsa-dsa-service-environment-clear-client-id>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Delete test setting for the client ID.

Required Privilege Level

maintenance

<test-dsa-dsa-service-environment-clear-client-password>

Usage

```
<rpc>  
  <test-dsa-dsa-service-environment-clear-client-password>  
  </test-dsa-dsa-service-environment-clear-client-password>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Delete test setting for the client password.

Required Privilege Level

maintenance

<test-dsa-dsa-service-environment-clear-host>

Usage

```
<rpc>  
  <test-dsa-dsa-service-environment-clear-host>  
  </test-dsa-dsa-service-environment-clear-host>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Delete test setting for Dynamic Service Activator hostname.

Required Privilege Level

maintenance

<test-dsa-dsa-service-environment-clear-port>

Usage

```
<rpc>  
  <test-dsa-dsa-service-environment-clear-port>  
  </test-dsa-dsa-service-environment-clear-port>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Delete test setting for Dynamic Service Activator port.

Required Privilege Level

maintenance

<test-dsa-dsa-service-environment-clear-subscriber-id>

Usage

```
<rpc>  
  <test-dsa-dsa-service-environment-clear-subscriber-id>  
  </test-dsa-dsa-service-environment-clear-subscriber-id>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Delete test setting for the subscriber ID.

Required Privilege Level

maintenance

<test-dsa-dsa-service-environment-clear-subscriber-password>

Usage

```
<rpc>  
  <test-dsa-dsa-service-environment-clear-subscriber-password>  
  </test-dsa-dsa-service-environment-clear-subscriber-password>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Delete test setting for the subscriber password.

Required Privilege Level

maintenance

<test-dsa-dsa-service-environment-clear-subscriber-uri>

Usage

```
<rpc>  
  <test-dsa-dsa-service-environment-clear-subscriber-uri>  
  </test-dsa-dsa-service-environment-clear-subscriber-uri>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Delete test setting for the subscriber type.

Required Privilege Level

maintenance

<test-dsa-dsa-service-environment-set>

Usage

```
<rpc>
  <test-dsa-dsa-service-environment-set>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <subscriber-id> subscriber-id </subscriber-id>
    <subscriber-password> subscriber-password </subscriber-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa-service-environment-set>
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Create Dynamic Service Activator service test settings for the current subscriber session.

Contents

<client-id>— (Optional) Username for Dynamic Service Activator client.

Value—Text

<client-password>— (Optional) Password for Dynamic Service Activator client.

Value—Text

<subscriber-id>— (Optional) Username for SAE subscriber.

Value—Text

<subscriber-password>— (Optional) Password for SAE subscriber.

Value—Text

<host>— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-dsa-service-environment-set-subscriber-uri>

Usage

```
<rpc>
  <test-dsa-dsa-service-environment-set-subscriber-uri>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <subscriber-type> subscriber-type </subscriber-type>
    <subscriber-address> subscriber-address </subscriber-address>
    <login-name> login-name </login-name>
    <dn> dn </dn>
    <virtual-router> virtual-router </virtual-router>
    <interface-name> interface-name </interface-name>
    <interface-index> interface-index </interface-index>
    <primary-user-name> primary-user-name </primary-user-name>
    <external-id> external-id </external-id>
    <session-handle> session-handle </session-handle>
    <namespace> namespace </namespace>
    <tunnel-session-id> tunnel-session-id </tunnel-session-id>
    <tunnel-id> tunnel-id </tunnel-id>
    <lac-ip-address> lac-ip-address </lac-ip-address>
    <vpn-identifier> vpn-identifier </vpn-identifier>
    <subscriber-constraints> subscriber-constraints </subscriber-constraints>
  </test-dsa-dsa-service-environment-set-subscriber-uri>
</rpc>
```

Release Information

Command introduced in SRC Release 3.2.0

Description

Set SAE subscriber URI for the current session.

Contents

<subscriber-uri>— (Optional) Subscriber Uniform Resource Identifier (URI).

Value—Text

<subscriber-type>— (Optional) Subscriber type defined in current grouped Dynamic Service Activator configuration.

Value—Text

<subscriber-address>— (Optional) IP address of the subscriber.

Value—Text

<login-name>— (Optional) Login name of the subscriber.

Value—Text

<dn>— (Optional) DN of the subscriber profile.

Value—Text

<virtual-router>— (Optional) Name of the virtual router.

Value—Text

<interface-name>— (Optional) Name of the interface.

Value—Text

<interface-index>— (Optional) SNMP index of the interface.

Value—Text

<primary-user-name>— (Optional) Primary username.

Value—Text

<external-id>— (Optional) Client external ID.

Value—Text

<session-handle>— (Optional) Subscriber session handle.

Value—Text

<namespace>— (Optional) Namespace in subscriber's external ID.

Value—Text

<tunnel-session-id>

— (Optional) Subscriber's L2TP tunnel session ID

Value—Integer in the range 1–2147483647

`<tunnel-id>`— (Optional) Subscriber's L2TP tunnel ID.

Value—Integer in the range 1–2147483647

`<lac-ip-address>`— (Optional) IP address of subscriber's L2TP Access Concentrator.

Value—Text

`<vpn-identifier>`— (Optional) VPN identifier.

Value—Text

`<subscriber-constraints>`— (Optional) Constraint for the NIC key, in the format "`<constraint name>=<constraint value>`".

Value—Text

Required Privilege Level

maintenance

<test-dsa-dsa-service-environment-show>

Usage

```
<rpc>  
  <test-dsa-dsa-service-environment-show>  
  </test-dsa-dsa-service-environment-show>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display Dynamic Service Activator service test settings for the current subscriber session.

Required Privilege Level

maintenance

<test-dsa-dsa-service-environment-show-client-id>

Usage

```
<rpc>  
  <test-dsa-dsa-service-environment-show-client-id>  
  </test-dsa-dsa-service-environment-show-client-id>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display test setting for client username.

Required Privilege Level

maintenance

<test-dsa-dsa-service-environment-show-client-password>

Usage

```
<rpc>  
  <test-dsa-dsa-service-environment-show-client-password>  
  </test-dsa-dsa-service-environment-show-client-password>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display test setting for client password.

Required Privilege Level

maintenance

<test-dsa-dsa-service-environment-show-host>

Usage

```
<rpc>  
  <test-dsa-dsa-service-environment-show-host>  
  </test-dsa-dsa-service-environment-show-host>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display test setting for Dynamic Service Activator hostname.

Required Privilege Level

maintenance

<test-dsa-dsa-service-environment-show-port>

Usage

```
<rpc>  
  <test-dsa-dsa-service-environment-show-port>  
  </test-dsa-dsa-service-environment-show-port>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display test setting for Dynamic Service Activator port.

Required Privilege Level

maintenance

<test-dsa-dsa-service-environment-show-subscriber-id>

Usage

```
<rpc>  
  <test-dsa-dsa-service-environment-show-subscriber-id>  
  </test-dsa-dsa-service-environment-show-subscriber-id>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display test setting for username that the SAE uses to authenticate the subscriber.

Required Privilege Level

maintenance

<test-dsa-dsa-service-environment-show-subscriber-password>

Usage

```
<rpc>  
  <test-dsa-dsa-service-environment-show-subscriber-password>  
  </test-dsa-dsa-service-environment-show-subscriber-password>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display test setting for the password that the SAE uses to authenticate the subscriber.

Required Privilege Level

maintenance

<test-dsa-dsa-service-environment-show-subscriber-uri>

Usage

```
<rpc>  
  <test-dsa-dsa-service-environment-show-subscriber-uri>  
  </test-dsa-dsa-service-environment-show-subscriber-uri>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display test setting for subscriber type.

Required Privilege Level

maintenance

<test-dsa-dsa-service-invoke-gateway-extension>

Usage

```
<rpc>
  <test-dsa-dsa-service-invoke-gateway-extension>
    <gateway-extension-name> gateway-extension-name </gateway-extension-name>
    <gateway-extension-arguments> gateway-extension-arguments </gateway-extension-arguments>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa-service-invoke-gateway-extension>
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Test gateway extension invocation.

Contents

<gateway-extension-name>— Name of the servlet that the gateway client invokes.

Value—Text

<gateway-extension-arguments>— Arguments that the gateway client passes to the servlet.

Value—Text

<client-id>— (Optional) Username for Dynamic Service Activator client.

Value—Text

<client-password>— (Optional) Password for Dynamic Service Activator client.

Value—Text

<host>— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-dsa-service-invoke-script>

Usage

```
<rpc>
  <test-dsa-dsa-service-invoke-script>
    <sae-script-name> sae-script-name </sae-script-name>
    <sae-script-arguments> sae-script-arguments </sae-script-arguments>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa-service-invoke-script>
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Test script invocation.

Contents

<sae-script-name>— Name of the script that Dynamic Service Activator starts.

Value—Text

<sae-script-arguments>— Arguments that the script requires.

Value—Text

<client-id>— (Optional) Username for Dynamic Service Activator client.

Value—Text

<client-password>— (Optional) Password for Dynamic Service Activator client.

Value—Text

<host>— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-dsa-service-subscriber-activate-service>

Usage

```
<rpc>
  <test-dsa-dsa-service-subscriber-activate-service>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <service-name> service-name </service-name>
    <service-session> service-session </service-session>
    <accounting-tag> accounting-tag </accounting-tag>
    <downstream-bandwidth> downstream-bandwidth </downstream-bandwidth>
    <upstream-bandwidth> upstream-bandwidth </upstream-bandwidth>
    <session-timeout> session-timeout </session-timeout>
    <subscription-user> subscription-user </subscription-user>
    <subscription-password> subscription-password </subscription-password>
    <substitutions> substitutions </substitutions>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa-service-subscriber-activate-service>
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Test subscriber service activation.

Contents

<subscriber-uri>— (Optional) Subscriber URI to locate SAE.

Value—Text

<service-name>— Name of the subscription.

Value—Text

<service-session>— (Optional) Name of the service session.

Value—Text

<accounting-tag>— (Optional) Tag used to track a session for accounting purposes.

Value—Text

`<downstream-bandwidth>`— (Optional) Traffic rate between the subscriber and the network.

Value—Text

`<upstream-bandwidth>`— (Optional) Traffic rate between the network and the subscriber.

Value—Text

`<session-timeout>`— (Optional) Timeout for the service.

Value—Text

`<subscription-user>`— (Optional) Name of the subscriber to the service.

Value—Text

`<subscription-password>`— (Optional) Password of the subscriber to the service.

Value—Text

`<substitutions>`— (Optional) Attributes and values that the method should substitute for existing settings.

Value—Text

`<client-id>`— (Optional) Username for Dynamic Service Activator client.

Value—Text

`<client-password>`— (Optional) Password for Dynamic Service Activator client.

Value—Text

`<host>`— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-dsa-service-subscriber-deactivate-service>

Usage

```
<rpc>
  <test-dsa-dsa-service-subscriber-deactivate-service>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <service-name> service-name </service-name>
    <service-session> service-session </service-session>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa-service-subscriber-deactivate-service>
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Test subscriber service deactivation.

Contents

<subscriber-uri>— (Optional) Subscriber URI to locate SAE.

Value—Text

<service-name>— Name of the subscription.

Value—Text

<service-session>— (Optional) Name of the service session.

Value—Text

<client-id>— (Optional) Username for Dynamic Service Activator client.

Value—Text

<client-password>— (Optional) Password for Dynamic Service Activator client.

Value—Text

<host>— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-dsa-service-subscriber-login>

Usage

```
<rpc>
  <test-dsa-dsa-service-subscriber-login>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <subscriber-id> subscriber-id </subscriber-id>
    <subscriber-password> subscriber-password </subscriber-password>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa-service-subscriber-login>
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Test subscriber login.

Contents

<subscriber-uri>— (Optional) Subscriber URI to locate SAE.

Value—Text

<subscriber-id>— (Optional) Username for the SAE subscriber.

Value—Text

<subscriber-password>— (Optional) Password for the SAE subscriber.

Value—Text

<client-id>— (Optional) Username for Dynamic Service Activator client.

Value—Text

<client-password>— (Optional) Password for Dynamic Service Activator client.

Value—Text

<host>— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-dsa-service-subscriber-logout>

Usage

```
<rpc>
  <test-dsa-dsa-service-subscriber-logout>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa-service-subscriber-logout>
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Test subscriber logout.

Contents

<subscriber-uri>— (Optional) Subscriber URI to locate SAE.

Value—Text

<client-id>— (Optional) Username for Dynamic Service Activator client.

Value—Text

<client-password>— (Optional) Password for Dynamic Service Activator client.

Value—Text

<host>— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-dsa-service-subscriber-modify-service>

Usage

```
<rpc>
  <test-dsa-dsa-service-subscriber-modify-service>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <service-name> service-name </service-name>
    <service-session> service-session </service-session>
    <accounting-tag> accounting-tag </accounting-tag>
    <downstream-bandwidth> downstream-bandwidth </downstream-bandwidth>
    <upstream-bandwidth> upstream-bandwidth </upstream-bandwidth>
    <session-timeout> session-timeout </session-timeout>
    <subscription-user> subscription-user </subscription-user>
    <subscription-password> subscription-password </subscription-password>
    <substitutions> substitutions </substitutions>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa-service-subscriber-modify-service>
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Test subscriber service modifications.

Contents

<subscriber-uri>— (Optional) Subscriber URI to locate SAE.

Value—Text

<service-name>— Name of the subscription.

Value—Text

<service-session>— (Optional) Name of the service session.

Value—Text

<accounting-tag>— (Optional) Tag used to track a session for accounting purposes.

Value—Text

`<downstream-bandwidth>`— (Optional) Traffic rate between the subscriber and the network.

Value—Text

`<upstream-bandwidth>`— (Optional) Traffic rate between the network and the subscriber.

Value—Text

`<session-timeout>`— (Optional) Timeout for the service.

Value—Text

`<subscription-user>`— (Optional) Name of the subscriber to the service.

Value—Text

`<subscription-password>`— (Optional) Password of the subscriber to the service.

Value—Text

`<substitutions>`— (Optional) Attributes and values that the method should substitute for existing settings.

Value—Text

`<client-id>`— (Optional) Username for Dynamic Service Activator client.

Value—Text

`<client-password>`— (Optional) Password for Dynamic Service Activator client.

Value—Text

`<host>`— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-dsa-service-subscriber-read-subscription>

Usage

```
<rpc>
  <test-dsa-dsa-service-subscriber-read-subscription>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <attributes> attributes </attributes>
    <filter> filter </filter>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa-service-subscriber-read-subscription>
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Test subscriber's access to subscriptions.

Contents

<subscriber-uri>— (Optional) Subscriber URI to locate SAE.

Value—Text

<attributes>— (Optional) Attribute field in a select argument that indicates subscription attributes.

Value—Text

Default—serviceName

<filter>— (Optional) Filter field in a select argument that indicates subscriptions.

Value—Text

Default—*

<client-id>— (Optional) Username for Dynamic Service Activator client.

Value—Text

<client-password>— (Optional) Password for Dynamic Service Activator client.

Value—Text

<host>— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

Output Tag

[subscriber-read-subscription](#)

<test-dsa-dsa-service-subscribers-activate-service>

Usage

```
<rpc>
  <test-dsa-dsa-service-subscribers-activate-service>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <service-name> service-name </service-name>
    <service-session> service-session </service-session>
    <accounting-tag> accounting-tag </accounting-tag>
    <downstream-bandwidth> downstream-bandwidth </downstream-bandwidth>
    <upstream-bandwidth> upstream-bandwidth </upstream-bandwidth>
    <session-timeout> session-timeout </session-timeout>
    <subscription-user> subscription-user </subscription-user>
    <subscription-password> subscription-password </subscription-password>
    <substitutions> substitutions </substitutions>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa-service-subscribers-activate-service>
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Test service activation for subscribers.

Contents

<subscriber-uri>— (Optional) Subscriber URI to locate SAE.

Value—Text

<service-name>— Name of the subscription.

Value—Text

<service-session>— (Optional) Name of the service session.

Value—Text

<accounting-tag>— (Optional) Tag used to track a session for accounting purposes.

Value—Text

`<downstream-bandwidth>`— (Optional) Traffic rate between the subscriber and the network.

Value—Text

`<upstream-bandwidth>`— (Optional) Traffic rate between the network and the subscriber.

Value—Text

`<session-timeout>`— (Optional) Timeout for the service.

Value—Text

`<subscription-user>`— (Optional) Name of the subscriber to the service.

Value—Text

`<subscription-password>`— (Optional) Password of the subscriber to the service.

Value—Text

`<substitutions>`— (Optional) Attributes and values that the method should substitute for existing settings.

Value—Text

`<client-id>`— (Optional) Username for Dynamic Service Activator client.

Value—Text

`<client-password>`— (Optional) Password for Dynamic Service Activator client.

Value—Text

`<host>`— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-dsa-service-subscribers-deactivate-service>

Usage

```
<rpc>
  <test-dsa-dsa-service-subscribers-deactivate-service>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <service-name> service-name </service-name>
    <service-session> service-session </service-session>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa-service-subscribers-deactivate-service>
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Test service deactivation for subscribers.

Contents

<subscriber-uri>— (Optional) Subscriber URI to locate SAE.

Value—Text

<service-name>— Name of the subscription.

Value—Text

<service-session>— (Optional) Name of the service session.

Value—Text

<client-id>— (Optional) Username for Dynamic Service Activator client.

Value—Text

<client-password>— (Optional) Password for Dynamic Service Activator client.

Value—Text

<host>— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-dsa-service-subscribers-login>

Usage

```
<rpc>
  <test-dsa-dsa-service-subscribers-login>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <subscriber-id> subscriber-id </subscriber-id>
    <subscriber-password> subscriber-password </subscriber-password>
    <rollback> rollback </rollback>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa-service-subscribers-login>
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Test login of subscribers.

Contents

<subscriber-uri>— (Optional) Subscriber URI to locate SAE.

Value—Text

<subscriber-id>— (Optional) Username for the SAE subscriber.

Value—Text

<subscriber-password>— (Optional) Password for the SAE subscriber.

Value—Text

<rollback>— (Optional) If this option is set and a failure occurs, previous successful logins are logged out.

Value—Text

<client-id>— (Optional) Username for Dynamic Service Activator client.

Value—Text

<client-password>— (Optional) Password for Dynamic Service Activator client.

Value—Text

<host>— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-dsa-service-subscribers-logout>

Usage

```
<rpc>
  <test-dsa-dsa-service-subscribers-logout>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa-service-subscribers-logout>
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Test logout of subscribers.

Contents

<subscriber-uri>— (Optional) Subscriber URI to locate SAE.

Value—Text

<client-id>— (Optional) Username for Dynamic Service Activator client.

Value—Text

<client-password>— (Optional) Password for Dynamic Service Activator client.

Value—Text

<host>— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-dsa-service-subscribers-modify-service>

Usage

```
<rpc>
  <test-dsa-dsa-service-subscribers-modify-service>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <service-name> service-name </service-name>
    <service-session> service-session </service-session>
    <accounting-tag> accounting-tag </accounting-tag>
    <downstream-bandwidth> downstream-bandwidth </downstream-bandwidth>
    <upstream-bandwidth> upstream-bandwidth </upstream-bandwidth>
    <session-timeout> session-timeout </session-timeout>
    <subscription-user> subscription-user </subscription-user>
    <subscription-password> subscription-password </subscription-password>
    <substitutions> substitutions </substitutions>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa-service-subscribers-modify-service>
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Test service modifications for subscribers.

Contents

<subscriber-uri>— (Optional) Subscriber URI to locate SAE.

Value—Text

<service-name>— Name of the subscription.

Value—Text

<service-session>— (Optional) Name of the service session.

Value—Text

<accounting-tag>— (Optional) Tag used to track a session for accounting purposes.

Value—Text

`<downstream-bandwidth>`— (Optional) Traffic rate between the subscriber and the network.

Value—Text

`<upstream-bandwidth>`— (Optional) Traffic rate between the network and the subscriber.

Value—Text

`<session-timeout>`— (Optional) Timeout for the service.

Value—Text

`<subscription-user>`— (Optional) Name of the subscriber to the service.

Value—Text

`<subscription-password>`— (Optional) Password of the subscriber to the service.

Value—Text

`<substitutions>`— (Optional) Attributes and values that the method should substitute for existing settings.

Value—Text

`<client-id>`— (Optional) Username for Dynamic Service Activator client.

Value—Text

`<client-password>`— (Optional) Password for Dynamic Service Activator client.

Value—Text

`<host>`— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-dsa-service-subscribers-read>

Usage

```
<rpc>
  <test-dsa-dsa-service-subscribers-read>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <subscription-attributes> subscription-attributes </subscription-attributes>
    <subscription-filter> subscription-filter </subscription-filter>
    <service-attributes> service-attributes </service-attributes>
    <service-filter> service-filter </service-filter>
    <subscriber-attributes> subscriber-attributes </subscriber-attributes>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa-service-subscribers-read>
</rpc>
```

Release Information

Command introduced in SRC Release 3.2.0

Description

Test read all subscriber sessions.

Contents

<subscriber-uri>— (Optional) Subscriber URI to locate SAE.

Value—Text

<subscription-attributes>— (Optional) Attributes names for subscription.

Value—Text

<subscription-filter>— (Optional) Filter for subscription.

Value—Text

<service-attributes>— (Optional) Attributes names for service.

Value—Text

<service-filter>— (Optional) Filter for service.

Value—Text

<subscriber-attributes>— (Optional) Attributes for subscriber.

Value—Text

<client-id>— (Optional) Username for Dynamic Service Activator client.

Value—Text

<client-password>— (Optional) Password for Dynamic Service Activator client.

Value—Text

<host>— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

Output Tag

[subscribers-read](#)

<test-dsa-dsa-service-subscribers-read-subscriber>

Usage

```
<rpc>
  <test-dsa-dsa-service-subscribers-read-subscriber>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <subscriber-attributes> subscriber-attributes </subscriber-attributes>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa-service-subscribers-read-subscriber>
</rpc>
```

Release Information

Command introduced in SRC Release 3.2.0

Description

Test read a subscriber session.

Contents

<subscriber-uri>— (Optional) Subscriber URI to locate SAE.

Value—Text

<subscriber-attributes>— (Optional) Attributes for subscriber.

Value—Text

<client-id>— (Optional) Username for Dynamic Service Activator client.

Value—Text

<client-password>— (Optional) Password for Dynamic Service Activator client.

Value—Text

<host>— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

Output Tag

[subscribers-read-subscriber](#)

<test-dsa-dsa-service-subscribers-read-subscription>

Usage

```
<rpc>
  <test-dsa-dsa-service-subscribers-read-subscription>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <attributes> attributes </attributes>
    <filter> filter </filter>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa-service-subscribers-read-subscription>
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Test subscribers' access to subscriptions.

Contents

<subscriber-uri>— (Optional) Subscriber URI to locate SAE.

Value—Text

<attributes>— (Optional) Attribute field in a select argument that indicates subscription attributes.

Value—Text

Default—serviceName

<filter>— (Optional) Filter field in a select argument that indicates subscriptions.

Value—Text

Default—*

<client-id>— (Optional) Username for Dynamic Service Activator client.

Value—Text

`<client-password>`— (Optional) Password for Dynamic Service Activator client.

Value—Text

`<host>`— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

`<port>`— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

Output Tag

[subscriber-read-subscription](#)

<test-dsa-dsa2-service-environment-clear>

Usage

```
<rpc>  
  <test-dsa-dsa2-service-environment-clear>  
  </test-dsa-dsa2-service-environment-clear>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Delete Dynamic Service Activator service test settings for the current subscriber session.

Required Privilege Level

maintenance

<test-dsa-dsa2-service-environment-clear-client-id>

Usage

```
<rpc>  
  <test-dsa-dsa2-service-environment-clear-client-id>  
  </test-dsa-dsa2-service-environment-clear-client-id>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Delete test setting for the client ID.

Required Privilege Level

maintenance

<test-dsa-dsa2-service-environment-clear-client-password>

Usage

```
<rpc>  
  <test-dsa-dsa2-service-environment-clear-client-password>  
  </test-dsa-dsa2-service-environment-clear-client-password>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Delete test setting for the client password.

Required Privilege Level

maintenance

<test-dsa-dsa2-service-environment-clear-host>

Usage

```
<rpc>  
  <test-dsa-dsa2-service-environment-clear-host>  
  </test-dsa-dsa2-service-environment-clear-host>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Delete test setting for Dynamic Service Activator hostname.

Required Privilege Level

maintenance

<test-dsa-dsa2-service-environment-clear-port>

Usage

```
<rpc>  
  <test-dsa-dsa2-service-environment-clear-port>  
  </test-dsa-dsa2-service-environment-clear-port>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Delete test setting for Dynamic Service Activator port.

Required Privilege Level

maintenance

<test-dsa-dsa2-service-environment-clear-subscriber-id>

Usage

```
<rpc>  
  <test-dsa-dsa2-service-environment-clear-subscriber-id>  
  </test-dsa-dsa2-service-environment-clear-subscriber-id>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Delete test setting for the subscriber ID.

Required Privilege Level

maintenance

<test-dsa-dsa2-service-environment-clear-subscriber-password>

Usage

```
<rpc>  
  <test-dsa-dsa2-service-environment-clear-subscriber-password>  
  </test-dsa-dsa2-service-environment-clear-subscriber-password>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Delete test setting for the subscriber password.

Required Privilege Level

maintenance

<test-dsa-dsa2-service-environment-clear-subscriber-uri>

Usage

```
<rpc>  
  <test-dsa-dsa2-service-environment-clear-subscriber-uri>  
  </test-dsa-dsa2-service-environment-clear-subscriber-uri>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Delete test setting for the subscriber type.

Required Privilege Level

maintenance

<test-dsa-dsa2-service-environment-set>

Usage

```
<rpc>
  <test-dsa-dsa2-service-environment-set>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <subscriber-id> subscriber-id </subscriber-id>
    <subscriber-password> subscriber-password </subscriber-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa2-service-environment-set>
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Create Dynamic Service Activator service test settings for the current subscriber session.

Contents

<client-id>— (Optional) Username for Dynamic Service Activator client.

Value—Text

<client-password>— (Optional) Password for Dynamic Service Activator client.

Value—Text

<subscriber-id>— (Optional) Username for SAE subscriber.

Value—Text

<subscriber-password>— (Optional) Password for SAE subscriber.

Value—Text

<host>— (Optional) Hostname of DSA.

Value—Text

<port>— (Optional) Port for DSA.

Value—Text

Required Privilege Level

maintenance

<test-dsa-dsa2-service-environment-set-subscriber-uri>

Usage

```
<rpc>
  <test-dsa-dsa2-service-environment-set-subscriber-uri>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <subscriber-type> subscriber-type </subscriber-type>
    <subscriber-address> subscriber-address </subscriber-address>
    <login-name> login-name </login-name>
    <dn> dn </dn>
    <virtual-router> virtual-router </virtual-router>
    <interface-name> interface-name </interface-name>
    <interface-index> interface-index </interface-index>
    <primary-user-name> primary-user-name </primary-user-name>
    <external-id> external-id </external-id>
    <session-handle> session-handle </session-handle>
    <namespace> namespace </namespace>
    <tunnel-session-id> tunnel-session-id </tunnel-session-id>
    <tunnel-id> tunnel-id </tunnel-id>
    <lac-ip-address> lac-ip-address </lac-ip-address>
    <vpn-identifier> vpn-identifier </vpn-identifier>
    <subscriber-constraints> subscriber-constraints </subscriber-constraints>
  </test-dsa-dsa2-service-environment-set-subscriber-uri>
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Set SAE subscriber URI for the current session.

Contents

<subscriber-uri>— (Optional) Subscriber Uniform Resource Identifier (URI).

Value—Text

<subscriber-type>— (Optional) Subscriber type defined in current shared dsa group configuration.

Value—Text

<subscriber-address>— (Optional) IP address of the subscriber.

Value—Text

<login-name>— (Optional) Login name of the subscriber.

Value—Text

<dn>— (Optional) DN of the subscriber profile.

Value—Text

<virtual-router>— (Optional) Name of the virtual router.

Value—Text

<interface-name>— (Optional) Name of the interface.

Value—Text

<interface-index>— (Optional) SNMP index of the interface.

Value—Text

<primary-user-name>— (Optional) Primary username.

Value—Text

<external-id>— (Optional) Client external ID.

Value—Text

<session-handle>— (Optional) Subscriber session handle.

Value—Text

<namespace>— (Optional) Namespace in subscriber's external ID.

Value—Text

<tunnel-session-id>

— (Optional) Subscriber's L2TP tunnel session ID

Value—Integer in the range 1–2147483647

<tunnel-id>— (Optional) Subscriber's L2TP tunnel ID.

Value—Integer in the range 1–2147483647

<lac-ip-address>— (Optional) IP address of subscriber's L2TP Access Concentrator

Value—Text

<vpn-identifier>— (Optional) VPN identifier.

Value—Text

<subscriber-constraints>— (Optional) Constraint for the NIC key, in the format "
<constraint name>=<constraint value>".

Value—Text

Required Privilege Level

maintenance

<test-dsa-dsa2-service-environment-show>

Usage

```
<rpc>  
  <test-dsa-dsa2-service-environment-show>  
  </test-dsa-dsa2-service-environment-show>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Display Dynamic Service Activator service test settings for the current subscriber session.

Required Privilege Level

maintenance

<test-dsa-dsa2-service-environment-show-client-id>

Usage

```
<rpc>  
  <test-dsa-dsa2-service-environment-show-client-id>  
  </test-dsa-dsa2-service-environment-show-client-id>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Display test setting for client username.

Required Privilege Level

maintenance

<test-dsa-dsa2-service-environment-show-client-password>

Usage

```
<rpc>  
  <test-dsa-dsa2-service-environment-show-client-password>  
  </test-dsa-dsa2-service-environment-show-client-password>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Display test setting for client password.

Required Privilege Level

maintenance

<test-dsa-dsa2-service-environment-show-host>

Usage

```
<rpc>  
  <test-dsa-dsa2-service-environment-show-host>  
  </test-dsa-dsa2-service-environment-show-host>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Display test setting for Dynamic Service Activator hostname.

Required Privilege Level

maintenance

<test-dsa-dsa2-service-environment-show-port>

Usage

```
<rpc>  
  <test-dsa-dsa2-service-environment-show-port>  
  </test-dsa-dsa2-service-environment-show-port>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Display test setting for Dynamic Service Activator port.

Required Privilege Level

maintenance

<test-dsa-dsa2-service-environment-show-subscriber-id>

Usage

```
<rpc>  
  <test-dsa-dsa2-service-environment-show-subscriber-id>  
  </test-dsa-dsa2-service-environment-show-subscriber-id>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Display test setting for username that the SAE uses to authenticate the subscriber.

Required Privilege Level

maintenance

<test-dsa-dsa2-service-environment-show-subscriber-password>

Usage

```
<rpc>  
  <test-dsa-dsa2-service-environment-show-subscriber-password>  
  </test-dsa-dsa2-service-environment-show-subscriber-password>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Display test setting for the password that the SAE uses to authenticate the subscriber.

Required Privilege Level

maintenance

<test-dsa-dsa2-service-environment-show-subscriber-uri>

Usage

```
<rpc>  
  <test-dsa-dsa2-service-environment-show-subscriber-uri>  
  </test-dsa-dsa2-service-environment-show-subscriber-uri>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Display test setting for subscriber type.

Required Privilege Level

maintenance

<test-dsa-dsa2-service-invoke-gateway-extension>

Usage

```
<rpc>
  <test-dsa-dsa2-service-invoke-gateway-extension>
    <gateway-extension-name> gateway-extension-name </gateway-extension-name>
    <gateway-extension-arguments> gateway-extension-arguments </gateway-extension-arguments>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa2-service-invoke-gateway-extension>
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Test gateway extension invocation.

Contents

<gateway-extension-name>— Name of the servlet that the gateway client invokes.

Value—Text

<gateway-extension-arguments>— Arguments that the gateway client passes to the servlet.

Value—Text

<client-id>— (Optional) Username for Dynamic Service Activator client.

Value—Text

<client-password>— (Optional) Password for Dynamic Service Activator client.

Value—Text

<host>

— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-dsa2-service-invoke-script>

Usage

```
<rpc>
  <test-dsa-dsa2-service-invoke-script>
    <sae-script-name> sae-script-name </sae-script-name>
    <sae-script-arguments> sae-script-arguments </sae-script-arguments>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa2-service-invoke-script>
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Test script invocation.

Contents

<sae-script-name>— Name of the script that Dynamic Service Activator starts.

Value—Text

<sae-script-arguments>— Arguments that the script requires.

Value—Text

<client-id>— (Optional) Username for Dynamic Service Activator client.

Value—Text

<client-password>— (Optional) Password for Dynamic Service Activator client.

Value—Text

<host>— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-dsa2-service-subscriber-activate-service>

Usage

```
<rpc>
  <test-dsa-dsa2-service-subscriber-activate-service>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <service-name> service-name </service-name>
    <service-session> service-session </service-session>
    <accounting-tag> accounting-tag </accounting-tag>
    <downstream-bandwidth> downstream-bandwidth </downstream-bandwidth>
    <upstream-bandwidth> upstream-bandwidth </upstream-bandwidth>
    <session-timeout> session-timeout </session-timeout>
    <subscription-user> subscription-user </subscription-user>
    <subscription-password> subscription-password </subscription-password>
    <substitutions> substitutions </substitutions>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa2-service-subscriber-activate-service>
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Test subscriber service activation.

Contents

<subscriber-uri>— (Optional) Subscriber URI to locate SAE.

Value—Text

<service-name>— Name of the subscription.

Value—Text

<service-session>— (Optional) Name of the service session.

Value—Text

<accounting-tag>— (Optional) Tag used to track a session for accounting purposes.

Value—Text

`<downstream-bandwidth>`— (Optional) Traffic rate between the subscriber and the network.

Value—Text

`<upstream-bandwidth>`— (Optional) Traffic rate between the network and the subscriber.

Value—Text

`<session-timeout>`— (Optional) Timeout for the service.

Value—Text

`<subscription-user>`— (Optional) Name of the subscriber to the service.

Value—Text

`<subscription-password>`— (Optional) Password of the subscriber to the service.

Value—Text

`<substitutions>`— (Optional) Attributes and values that the method should substitute for existing settings.

Value—Text

`<client-id>`— (Optional) Username for Dynamic Service Activator client.

Value—Text

`<client-password>`— (Optional) Password for Dynamic Service Activator client.

Value—Text

`<host>`— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-dsa2-service-subscriber-deactivate-service>

Usage

```
<rpc>
  <test-dsa-dsa2-service-subscriber-deactivate-service>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <service-name> service-name </service-name>
    <service-session> service-session </service-session>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa2-service-subscriber-deactivate-service>
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Test subscriber service deactivation.

Contents

<subscriber-uri>— (Optional) Subscriber URI to locate SAE.

Value—Text

<service-name>— Name of the subscription.

Value—Text

<service-session>— (Optional) Name of the service session.

Value—Text

<client-id>— (Optional) Username for Dynamic Service Activator client.

Value—Text

<client-password>— (Optional) Password for Dynamic Service Activator client.

Value—Text

<host>— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-dsa2-service-subscriber-login>

Usage

```
<rpc>
  <test-dsa-dsa2-service-subscriber-login>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <subscriber-id> subscriber-id </subscriber-id>
    <subscriber-password> subscriber-password </subscriber-password>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa2-service-subscriber-login>
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Test subscriber login.

Contents

<subscriber-uri>— (Optional) Subscriber URI to locate SAE.

Value—Text

<subscriber-id>— (Optional) Username for the SAE subscriber.

Value—Text

<subscriber-password>— (Optional) Password for the SAE subscriber.

Value—Text

<client-id>— (Optional) Username for Dynamic Service Activator client.

Value—Text

<client-password>— (Optional) Password for Dynamic Service Activator client.

Value—Text

<host>— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-dsa2-service-subscriber-logout>

Usage

```
<rpc>  
  <test-dsa-dsa2-service-subscriber-logout>  
    <subscriber-uri> subscriber-uri </subscriber-uri>  
    <client-id> client-id </client-id>  
    <client-password> client-password </client-password>  
    <host> host </host>  
    <port> port </port>  
  </test-dsa-dsa2-service-subscriber-logout>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Test subscriber logout.

Contents

<subscriber-uri>— (Optional) Subscriber URI to locate SAE.

Value—Text

<client-id>— (Optional) Username for Dynamic Service Activator client.

Value—Text

<client-password>— (Optional) Password for Dynamic Service Activator client.

Value—Text

<host>— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-dsa2-service-subscriber-modify-service>

Usage

```
<rpc>
  <test-dsa-dsa2-service-subscriber-modify-service>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <service-name> service-name </service-name>
    <service-session> service-session </service-session>
    <accounting-tag> accounting-tag </accounting-tag>
    <downstream-bandwidth> downstream-bandwidth </downstream-bandwidth>
    <upstream-bandwidth> upstream-bandwidth </upstream-bandwidth>
    <session-timeout> session-timeout </session-timeout>
    <subscription-user> subscription-user </subscription-user>
    <subscription-password> subscription-password </subscription-password>
    <substitutions> substitutions </substitutions>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa2-service-subscriber-modify-service>
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Test subscriber service modifications.

Contents

<subscriber-uri>— (Optional) Subscriber URI to locate SAE.

Value—Text

<service-name>— Name of the subscription.

Value—Text

<service-session>— (Optional) Name of the service session.

Value—Text

<accounting-tag>— (Optional) Tag used to track a session for accounting purposes.

Value—Text

`<downstream-bandwidth>`— (Optional) Traffic rate between the subscriber and the network.

Value—Text

`<upstream-bandwidth>`— (Optional) Traffic rate between the network and the subscriber.

Value—Text

`<session-timeout>`— (Optional) Timeout for the service.

Value—Text

`<subscription-user>`— (Optional) Name of the subscriber to the service.

Value—Text

`<subscription-password>`— (Optional) Password of the subscriber to the service.

Value—Text

`<substitutions>`— (Optional) Attributes and values that the method should substitute for existing settings.

Value—Text

`<client-id>`— (Optional) Username for Dynamic Service Activator client.

Value—Text

`<client-password>`— (Optional) Password for Dynamic Service Activator client.

Value—Text

`<host>`— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-dsa2-service-subscriber-read-subscription>

Usage

```
<rpc>
  <test-dsa-dsa2-service-subscriber-read-subscription>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <attributes> attributes </attributes>
    <filter> filter </filter>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa2-service-subscriber-read-subscription>
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Test subscriber's access to subscriptions.

Contents

<subscriber-uri>— (Optional) Subscriber URI to locate SAE.

Value—Text

<attributes>— (Optional) Attribute field in a select argument that indicates subscription attributes.

Value—Text

Default—serviceName

<filter>— (Optional) Filter field in a select argument that indicates subscriptions.

Value—Text

Default—*

<client-id>— (Optional) Username for Dynamic Service Activator client.

Value—Text

<client-password>— (Optional) Password for Dynamic Service Activator client.

Value—Text

<host>— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

Output Tag

[subscriber-read-subscription](#)

<test-dsa-dsa2-service-subscribers-activate-service>

Usage

```
<rpc>
  <test-dsa-dsa2-service-subscribers-activate-service>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <service-name> service-name </service-name>
    <service-session> service-session </service-session>
    <accounting-tag> accounting-tag </accounting-tag>
    <downstream-bandwidth> downstream-bandwidth </downstream-bandwidth>
    <upstream-bandwidth> upstream-bandwidth </upstream-bandwidth>
    <session-timeout> session-timeout </session-timeout>
    <subscription-user> subscription-user </subscription-user>
    <subscription-password> subscription-password </subscription-password>
    <substitutions> substitutions </substitutions>
    <rollback> rollback </rollback>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa2-service-subscribers-activate-service>
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Test service activation for subscribers.

Contents

<subscriber-uri>— (Optional) Subscriber URI to locate SAE.

Value—Text

<service-name>— Name of the subscription.

Value—Text

<service-session>— (Optional) Name of the service session.

Value—Text

<accounting-tag>— (Optional) Tag used to track a session for accounting purposes.

Value—Text

`<downstream-bandwidth>`— (Optional) Traffic rate between the subscriber and the network.

Value—Text

`<upstream-bandwidth>`— (Optional) Traffic rate between the network and the subscriber.

Value—Text

`<session-timeout>`— (Optional) Timeout for the service.

Value—Text

`<subscription-user>`— (Optional) Name of the subscriber to the service.

Value—Text

`<subscription-password>`— (Optional) Password of the subscriber to the service.

Value—Text

`<substitutions>`— (Optional) Attributes and values that the method should substitute for existing settings.

Value—Text

`<rollback>`— (Optional) If option is set and a failure occurs, roll back.

Value—Text

`<client-id>`— (Optional) Username for Dynamic Service Activator client.

Value—Text

`<client-password>`

— (Optional) Password for Dynamic Service Activator client.

Value—Text

<host>— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-dsa2-service-subscribers-deactivate-service>

Usage

```
<rpc>
  <test-dsa-dsa2-service-subscribers-deactivate-service>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <service-name> service-name </service-name>
    <service-session> service-session </service-session>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa2-service-subscribers-deactivate-service>
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Test service deactivation for subscribers.

Contents

<subscriber-uri>— (Optional) Subscriber URI to locate SAE.

Value—Text

<service-name>— Name of the subscription.

Value—Text

<service-session>— (Optional) Name of the service session.

Value—Text

<client-id>— (Optional) Username for Dynamic Service Activator client.

Value—Text

<client-password>— (Optional) Password for Dynamic Service Activator client.

Value—Text

<host>— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-dsa2-service-subscribers-login>

Usage

```
<rpc>
  <test-dsa-dsa2-service-subscribers-login>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <subscriber-id> subscriber-id </subscriber-id>
    <subscriber-password> subscriber-password </subscriber-password>
    <rollback> rollback </rollback>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa2-service-subscribers-login>
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Test login of subscribers.

Contents

<subscriber-uri>— (Optional) Subscriber URI to locate SAE.

Value—Text

<subscriber-id>— (Optional) Username for the SAE subscriber.

Value—Text

<subscriber-password>— (Optional) Password for the SAE subscriber.

Value—Text

<rollback>— (Optional) If this option is set and a failure occurs, previous successful logins are logged out.

Value—Text

<client-id>— (Optional) Username for Dynamic Service Activator client.

Value—Text

<client-password>— (Optional) Password for Dynamic Service Activator client.

Value—Text

<host>— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-dsa2-service-subscribers-logout>

Usage

```
<rpc>  
  <test-dsa-dsa2-service-subscribers-logout>  
    <subscriber-uri> subscriber-uri </subscriber-uri>  
    <client-id> client-id </client-id>  
    <client-password> client-password </client-password>  
    <host> host </host>  
    <port> port </port>  
  </test-dsa-dsa2-service-subscribers-logout>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Test logout of subscribers.

Contents

<subscriber-uri>— (Optional) Subscriber URI to locate SAE.

Value—Text

<client-id>— (Optional) Username for Dynamic Service Activator client.

Value—Text

<client-password>— (Optional) Password for Dynamic Service Activator client.

Value—Text

<host>— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-dsa2-service-subscribers-modify-service>

Usage

```
<rpc>
  <test-dsa-dsa2-service-subscribers-modify-service>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <service-name> service-name </service-name>
    <service-session> service-session </service-session>
    <accounting-tag> accounting-tag </accounting-tag>
    <downstream-bandwidth> downstream-bandwidth </downstream-bandwidth>
    <upstream-bandwidth> upstream-bandwidth </upstream-bandwidth>
    <session-timeout> session-timeout </session-timeout>
    <subscription-user> subscription-user </subscription-user>
    <subscription-password> subscription-password </subscription-password>
    <substitutions> substitutions </substitutions>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa2-service-subscribers-modify-service>
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Test subscriber service modifications.

Contents

<subscriber-uri>— (Optional) Subscriber URI to locate SAE.

Value—Text

<service-name>— Name of the subscription.

Value—Text

<service-session>— (Optional) Name of the service session.

Value—Text

<accounting-tag>— (Optional) Tag used to track a session for accounting purposes.

Value—Text

`<downstream-bandwidth>`— (Optional) Traffic rate between the subscriber and the network.

Value—Text

`<upstream-bandwidth>`— (Optional) Traffic rate between the network and the subscriber.

Value—Text

`<session-timeout>`— (Optional) Timeout for the service.

Value—Text

`<subscription-user>`— (Optional) Name of the subscriber to the service.

Value—Text

`<subscription-password>`— (Optional) Password of the subscriber to the service.

Value—Text

`<substitutions>`— (Optional) Attributes and values that the method should substitute for existing settings.

Value—Text

`<client-id>`— (Optional) Username for Dynamic Service Activator client.

Value—Text

`<client-password>`— (Optional) Password for Dynamic Service Activator client.

Value—Text

`<host>`— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-dsa2-service-subscribers-read>

Usage

```
<rpc>
  <test-dsa-dsa2-service-subscribers-read>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <subscription-attributes> subscription-attributes </subscription-attributes>
    <subscription-filter> subscription-filter </subscription-filter>
    <service-attributes> service-attributes </service-attributes>
    <service-filter> service-filter </service-filter>
    <subscriber-attributes> subscriber-attributes </subscriber-attributes>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa2-service-subscribers-read>
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Test read all subscriber sessions.

Contents

<subscriber-uri>— (Optional) Subscriber URI to locate SAE.

Value—Text

<subscription-attributes>— (Optional) Attributes names for subscription.

Value—Text

<subscription-filter>— (Optional) Filter for subscription.

Value—Text

<service-attributes>— (Optional) Attributes names for service.

Value—Text

<service-filter>— (Optional) Filter for service.

Value—Text

<subscriber-attributes>— (Optional) Attributes for subscriber.

Value—Text

<client-id>— (Optional) Username for Dynamic Service Activator client.

Value—Text

<client-password>— (Optional) Password for Dynamic Service Activator client.

Value—Text

<host>— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

Output Tag

[subscribers-read](#)

<test-dsa-dsa2-service-subscribers-read-subscriber>

Usage

```
<rpc>
  <test-dsa-dsa2-service-subscribers-read-subscriber>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <subscriber-attributes> subscriber-attributes </subscriber-attributes>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa2-service-subscribers-read-subscriber>
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Test read a subscriber session.

Contents

<subscriber-uri>— (Optional) Subscriber URI to locate SAE.

Value—Text

<subscriber-attributes>— (Optional) Attributes for subscriber.

Value—Text

<client-id>— (Optional) Username for Dynamic Service Activator client.

Value—Text

<client-password>— (Optional) Password for Dynamic Service Activator client.

Value—Text

<host>— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

Output Tag

[subscribers-read-subscriber](#)

<test-dsa-dsa2-service-subscribers-read-subscription>

Usage

```
<rpc>
  <test-dsa-dsa2-service-subscribers-read-subscription>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <attributes> attributes </attributes>
    <filter> filter </filter>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-dsa2-service-subscribers-read-subscription>
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Test subscribers' access to subscriptions.

Contents

<subscriber-uri>— (Optional) Subscriber URI to locate SAE.

Value—Text

<attributes>— (Optional) Attribute field in a select argument that indicates subscription attributes.

Value—Text

Default—serviceName

<filter>— (Optional) Filter field in a select argument that indicates subscriptions.

Value—Text

Default—*

<client-id>— (Optional) Username for Dynamic Service Activator client.

Value—Text

<client-password>— (Optional) Password for Dynamic Service Activator client.

Value—Text

<host>— (Optional) Hostname of DSA. The default value is localhost.

Value—Text

<port>— (Optional) Port for DSA. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

Output Tag

[subscriber-read-subscription](#)

<test-dsa-pcmm-service-commit-resources>

Usage

```
<rpc>
  <test-dsa-pcmm-service-commit-resources>
    <subscriber-address> subscriber-address </subscriber-address>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <service-name> service-name </service-name>
    <context-id> context-id </context-id>
    <time-usage-limit> time-usage-limit </time-usage-limit>
    <classifier> classifier </classifier>
    <traffic-profile> traffic-profile </traffic-profile>
    <flow-spec> flow-spec </flow-spec>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-pcmm-service-commit-resources>
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Specifies the resources that are being requested in the CommitResource message.

Contents

<subscriber-address>— (Optional) IP address for PCMM service client.

Value—Text

<subscriber-uri>— (Optional) Subscriber URI for PCMM service.

Value—Text

<service-name>— Name of the SRC service.

Value—Text

<context-id>— (Optional) Context ID; globally unique identifier that the application manager uses as the SRC session name.

Value—Text

<time-usage-limit>— (Optional) Limit on the lifetime of a context.

Value—Text

<classifier>— (Optional) Object that identifies the traffic flow for which the application server is requesting services. In the format: <parameter name>=<parameter value>.

Value—Text

<traffic-profile>— (Optional) The bandwidth and QoS characteristics desired for a request. In the format: <parameter name>=<parameter value>.

Value—Text

<flow-spec>— (Optional) FlowSpec action to specify the traffic profile. In the format: <parameter name>=<parameter value>.

Value—Text

<client-id>— (Optional) ID for PCMM service client.

Value—Text

<client-password>— (Optional) Password for PCMM service client.

Value—Text

<host>— (Optional) Hostname of PCMM service. The default value is localhost.

Value—Text

<port>— (Optional) Port for PCMM service. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-pcmm-service-environment-clear>

Usage

```
<rpc>  
  <test-dsa-pcmm-service-environment-clear>  
  </test-dsa-pcmm-service-environment-clear>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Delete PCMM service test settings for the current subscriber session.

Required Privilege Level

maintenance

<test-dsa-pcmm-service-environment-clear-client-id>

Usage

```
<rpc>  
  <test-dsa-pcmm-service-environment-clear-client-id>  
  </test-dsa-pcmm-service-environment-clear-client-id>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Delete test setting for PCMM service client ID.

Required Privilege Level

maintenance

<test-dsa-pcmm-service-environment-clear-client-password>

Usage

```
<rpc>  
  <test-dsa-pcmm-service-environment-clear-client-password>  
  </test-dsa-pcmm-service-environment-clear-client-password>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Delete test setting for PCMM service client password.

Required Privilege Level

maintenance

<test-dsa-pcmm-service-environment-clear-host>

Usage

```
<rpc>  
  <test-dsa-pcmm-service-environment-clear-host>  
  </test-dsa-pcmm-service-environment-clear-host>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Delete test setting for PCMM service hostname.

Required Privilege Level

maintenance

<test-dsa-pcmm-service-environment-clear-port>

Usage

```
<rpc>  
  <test-dsa-pcmm-service-environment-clear-port>  
  </test-dsa-pcmm-service-environment-clear-port>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Delete test setting for PCMM service port.

Required Privilege Level

maintenance

<test-dsa-pcmm-service-environment-clear-subscriber-address>

Usage

```
<rpc>  
  <test-dsa-pcmm-service-environment-clear-subscriber-address>  
  </test-dsa-pcmm-service-environment-clear-subscriber-address>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Delete test setting for PCMM service subscriber IP address.

Required Privilege Level

maintenance

<test-dsa-pcmm-service-environment-clear-subscriber-uri>

Usage

```
<rpc>  
  <test-dsa-pcmm-service-environment-clear-subscriber-uri>  
  </test-dsa-pcmm-service-environment-clear-subscriber-uri>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Delete test setting for PCMM service subscriber URI.

Required Privilege Level

maintenance

<test-dsa-pcmm-service-environment-set>

Usage

```
<rpc>
  <test-dsa-pcmm-service-environment-set>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <subscriber-address> subscriber-address </subscriber-address>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <host> host </host>
    <port> port </port>
  </test-dsa-pcmm-service-environment-set>
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Create PCMM service test settings for the current subscriber session.

Contents

<client-id>— (Optional) ID for PCMM service client.

Value—Text

<client-password>— (Optional) Password for PCMM service client.

Value—Text

<subscriber-address>— (Optional) IP for PCMM service client.

Value—Text

<subscriber-uri>— (Optional) Subscriber URI for PCMM service. In the following format: <subscriber-type>:<subscriber-comp>[&<subscriber-comp>]*['<constraint>[&<constraint>]*>']

Value—Text

<host>— (Optional) Hostname. The default value is localhost.

Value—Text

<port>— (Optional) Port. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-pcmm-service-environment-show>

Usage

```
<rpc>  
  <test-dsa-pcmm-service-environment-show>  
  </test-dsa-pcmm-service-environment-show>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display PCMM service test settings for the current subscriber session.

Required Privilege Level

maintenance

<test-dsa-pcmm-service-environment-show-client-id>

Usage

```
<rpc>  
  <test-dsa-pcmm-service-environment-show-client-id>  
  </test-dsa-pcmm-service-environment-show-client-id>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display PCMM service test setting for the client username.

Required Privilege Level

maintenance

<test-dsa-pcmm-service-environment-show-client-password>

Usage

```
<rpc>  
  <test-dsa-pcmm-service-environment-show-client-password>  
  </test-dsa-pcmm-service-environment-show-client-password>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display PCMM service test setting for the client password.

Required Privilege Level

maintenance

<test-dsa-pcmm-service-environment-show-host>

Usage

```
<rpc>  
  <test-dsa-pcmm-service-environment-show-host>  
  </test-dsa-pcmm-service-environment-show-host>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display the PCMM service hostname.

Required Privilege Level

maintenance

<test-dsa-pcmm-service-environment-show-port>

Usage

```
<rpc>  
  <test-dsa-pcmm-service-environment-show-port>  
  </test-dsa-pcmm-service-environment-show-port>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display the PCMM service port.

Required Privilege Level

maintenance

<test-dsa-pcmm-service-environment-show-subscriber-address>

Usage

```
<rpc>  
  <test-dsa-pcmm-service-environment-show-subscriber-address>  
  </test-dsa-pcmm-service-environment-show-subscriber-address>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display PCMM service test setting for the IP address of the subscriber.

Required Privilege Level

maintenance

<test-dsa-pcmm-service-environment-show-subscriber-uri>

Usage

```
<rpc>  
  <test-dsa-pcmm-service-environment-show-subscriber-uri>  
  </test-dsa-pcmm-service-environment-show-subscriber-uri>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display PCMM service test setting for the subscriber URI.

Required Privilege Level

maintenance

<test-dsa-pcmm-service-query-available-services>

Usage

```
<rpc>
  <test-dsa-pcmm-service-query-available-services>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-pcmm-service-query-available-services>
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Searches for the services that are available for a specified subscriber.

Contents

<client-id>— (Optional) ID for PCMM service client.

Value—Text

<client-password>— (Optional) Password for PCMM service client.

Value—Text

<host>— (Optional) Hostname of PCMM service. The default value is localhost.

Value—Text

<port>— (Optional) Port for PCMM service. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-pcmm-service-query-contexts>

Usage

```
<rpc>
  <test-dsa-pcmm-service-query-contexts>
    <subscriber-address> subscriber-address </subscriber-address>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <service-name> service-name </service-name>
    <context-id> context-id </context-id>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-pcmm-service-query-contexts>
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Searches for the context ID and context status for a subscriber.

Contents

<subscriber-address>— (Optional) IP address for PCMM service client.

Value—Text

<subscriber-uri>— (Optional) Subscriber URI for PCMM service.

Value—Text

<service-name>— (Optional) Name of the SRC service.

Value—Text

<context-id>— (Optional) Context ID; globally unique identifier that the application manager uses as the SRC session name.

Value—Text

<client-id>— (Optional) ID for PCMM service client.

Value—Text

<client-password>— (Optional) Password for PCMM service client.

Value—Text

<host>— (Optional) Hostname of PCMM service. The default value is localhost.

Value—Text

<port>— (Optional) Port for PCMM service. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<test-dsa-pcmm-service-release-resources>

Usage

```
<rpc>
  <test-dsa-pcmm-service-release-resources>
    <subscriber-address> subscriber-address </subscriber-address>
    <subscriber-uri> subscriber-uri </subscriber-uri>
    <service-name> service-name </service-name>
    <context-id> context-id </context-id>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
    <host> host </host>
    <port> port </port>
  </test-dsa-pcmm-service-release-resources>
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Specifies the resources that are being requested to be released in the ReleaseResources message.

Contents

<subscriber-address>— (Optional) IP address for PCMM service client.

Value—Text

<subscriber-uri>— (Optional) Subscriber URI for PCMM service.

Value—Text

<service-name>— Name of the SRC service.

Value—Text

<context-id>— (Optional) Context ID; globally unique identifier that the application manager uses as the SRC session name.

Value—Text

<client-id>— (Optional) ID for PCMM service client.

Value—Text

<client-password>— (Optional) Password for PCMM service client.

Value—Text

<host>— (Optional) Hostname of PCMM service. The default value is localhost.

Value—Text

<port>— (Optional) Port for PCMM service. The default port is 8080.

Value—Text

Required Privilege Level

maintenance

<dsa-general-stats>

Usage

```
<dsa-general-stats xmlns="http://xml.juniper.net/sdx/dsa-general-stats">
  <num-sae-calls-attempted> num-sae-calls-attempted </num-sae-calls-attempted>
  <num-sae-calls-failed> num-sae-calls-failed </num-sae-calls-failed>
  <num-sae-calls-in-progress> num-sae-calls-in-progress </num-sae-calls-in-progress>
  <num-sae-calls-succeeded> num-sae-calls-succeeded </num-sae-calls-succeeded>
  <sae-call-time-avg> sae-call-time-avg </sae-call-time-avg>
  <sae-call-time-max> sae-call-time-max </sae-call-time-max>
  <sae-call-time-min> sae-call-time-min </sae-call-time-min>
  <up-since> up-since </up-since>
  <up-time> up-time </up-time>
  <web-service-name> web-service-name </web-service-name>
</dsa-general-stats>
```

Description

DSA General Statistics

Contents

<num-sae-calls-attempted> —Number of times that DSA contacts SAE attempted

Value—Integer in the range -2147483648–2147483647

<num-sae-calls-failed> —Number of times that DSA contacts SAE failed

Value—Integer in the range -2147483648–2147483647

<num-sae-calls-in-progress> —Number of times that DSA contacts SAE in progress

Value—Integer in the range -2147483648–2147483647

<num-sae-calls-succeeded> —Number of times that DSA contacts SAE succeeded

Value—Integer in the range -2147483648–2147483647

<sae-call-time-avg> —Average time of the 100 most recent CORBA calls to SAE (millisecond)

Value—Integer in the range -9223372036854775808–9223372036854775807

<sae-call-time-max> —Maximum time of the 100 most recent CORBA calls to SAE (millisecond)

Value—Integer in the range -9223372036854775808–9223372036854775807

<sae-call-time-min> —Minimum time of the 100 most recent CORBA calls to SAE (millisecond)

Value—Integer in the range -9223372036854775808–9223372036854775807

<up-since> —DSA up since

Value—Text

<up-time> —DSA up time

Value—Text

<web-service-name> —Web Service Name

Value—Text

Style

detail

<num-sae-calls-attempted>
 <num-sae-calls-failed>
 <num-sae-calls-in-progress>
 <num-sae-calls-succeeded>
 <sae-call-time-avg>
 <sae-call-time-max>
 <sae-call-time-min>
 <up-since>
 <up-time>
 <web-service-name>

<generic>

Usage

```
<generic xmlns="http://xml.juniper.net/sdx/generic">  
  <generic-class> generic-class </generic-class>  
</generic>
```

Contents

<generic-class>

<nic-proxy-stats>

Usage

```
<nic-proxy-stats xmlns="http://xml.juniper.net/sdx/nic-proxy-stats">
  <lookup-time-avg> lookup-time-avg </lookup-time-avg>
  <lookup-time-max> lookup-time-max </lookup-time-max>
  <lookup-time-min> lookup-time-min </lookup-time-min>
  <nic-proxy-name> nic-proxy-name </nic-proxy-name>
  <num-keys-cached-locally> num-keys-cached-locally </num-keys-cached-locally>
  <num-keys-multi-match> num-keys-multi-match </num-keys-multi-match>
  <num-keys-no-match> num-keys-no-match </num-keys-no-match>
  <num-keys-one-match> num-keys-one-match </num-keys-one-match>
  <num-lookup-errors> num-lookup-errors </num-lookup-errors>
  <num-lookups> num-lookups </num-lookups>
</nic-proxy-stats>
```

Description

DSA NIC Proxy Statistics

Contents

<lookup-time-avg> —Average time of the 100 most recent lookups(milliseconds)

Value—Integer in the range -9223372036854775808–9223372036854775807

<lookup-time-max> —Maximum time of the 100 most recent lookups(milliseconds)

Value—Integer in the range -9223372036854775808–9223372036854775807

<lookup-time-min> —Minimum time of the 100 most recent lookups(milliseconds)

Value—Integer in the range -9223372036854775808–9223372036854775807

<nic-proxy-name> —NIC proxy name

Value—Text

<num-keys-cached-locally> —Number of key-value pairs cached in the proxy

Value—Integer in the range -2147483648–2147483647

<num-keys-multi-match> —Number of lookups in the key has multi value

Value—Integer in the range -2147483648–2147483647

<num-keys-no-match> —Number of lookups in the key has no value

Value—Integer in the range -2147483648–2147483647

<num-keys-one-match> —Number of lookups in the key has one value

Value—Integer in the range -2147483648–2147483647

<num-lookup-errors> —Number of lookups that failed

Value—Integer in the range -2147483648–2147483647

<num-lookups> —Number of lookups

Value—Integer in the range -2147483648–2147483647

Style

detail

- <lookup-time-avg>
- <lookup-time-max>
- <lookup-time-min>
- <nic-proxy-name>
- <num-keys-cached-locally>
- <num-keys-multi-match>
- <num-keys-no-match>
- <num-keys-one-match>
- <num-lookup-errors>
- <num-lookups>

<service-attribute>

Usage

```
<service-attribute xmlns="http://xml.juniper.net/sdx/service-attribute">  
  <service-attributes> service-attributes </service-attributes>  
  <subscription-attribute xmlns="http://xml.juniper.net/sdx/subscription-attribute"> ... </subscription-attribute>  
</service-attribute>
```

Contents

<service-attributes> —Service attributes

Value—Text

<subscription-attribute> —Subscription attributes

[subscription-attribute](#)

<soap-op-stats>

Usage

```
<soap-op-stats xmlns="http://xml.juniper.net/sdx/soap-op-stats">
  <num-reqs> num-reqs </num-reqs>
  <num-reqs-denied> num-reqs-denied </num-reqs-denied>
  <num-reqs-failed> num-reqs-failed </num-reqs-failed>
  <num-reqs-in-progress> num-reqs-in-progress </num-reqs-in-progress>
  <num-reqs-succeeded> num-reqs-succeeded </num-reqs-succeeded>
  <operation-name> operation-name </operation-name>
  <req-time-avg> req-time-avg </req-time-avg>
  <req-time-max> req-time-max </req-time-max>
  <req-time-min> req-time-min </req-time-min>
  <web-service-name> web-service-name </web-service-name>
</soap-op-stats>
```

Description

DSA SOAP Operation Statistics

Contents

<num-reqs> —Number of total SOAP requests

Value—Integer in the range -2147483648–2147483647

<num-reqs-denied> —Number of rejected SOAP requests

Value—Integer in the range -2147483648–2147483647

<num-reqs-failed> —Number of failed SOAP requests

Value—Integer in the range -2147483648–2147483647

<num-reqs-in-progress> —Number of current SOAP requests

Value—Integer in the range -2147483648–2147483647

<num-reqs-succeeded> —Number of succeeded SOAP requests

Value—Integer in the range -2147483648–2147483647

<operation-name> —Operation name

Value—Text

<req-time-avg> —Average time of the 100 most recent SOAP requests(milliseconds)

Value—Integer in the range -9223372036854775808–9223372036854775807

<req-time-max> —Maximum time of the 100 most recent SOAP requests(milliseconds)

Value—Integer in the range -9223372036854775808–9223372036854775807

<req-time-min> —Minimum time of the 100 most recent SOAP requests(milliseconds)

Value—Integer in the range -9223372036854775808–9223372036854775807

<web-service-name> —Web service name

Value—Text

Style

detail

```
<num-reqs>
<num-reqs-denied>
<num-reqs-failed>
<num-reqs-in-progress>
<num-reqs-succeeded>
<operation-name>
<req-time-avg>
<req-time-max>
<req-time-min>
<web-service-name>
```

<subscriber-read-subscription>

Usage

```
<subscriber-read-subscription xmlns="http://xml.juniper.net/sdx/subscriber-read-subscription">  
  <subscription-attribute xmlns="http://xml.juniper.net/sdx/subscription-attribute"> ... </subscription-attribute>  
</subscriber-read-subscription>
```

Contents

<subscription-attribute> —Subscription attributes

Multiple tag: can occur zero or more times.

[subscription-attribute](#)

<subscriber-session>

Usage

```
<subscriber-session xmlns="http://xml.juniper.net/sdx/subscriber-session">  
  <service-attribute xmlns="http://xml.juniper.net/sdx/service-attribute"> ... </service-attribute>  
  <subscriber-attributes> subscriber-attributes </subscriber-attributes>  
</subscriber-session>
```

Contents

<service-attribute> —Subscriber service attributes

Multiple tag: can occur zero or more times.

[service-attribute](#)

<subscriber-attributes> —Subscriber attributes

Value—Text

<subscribers-read>

Usage

```
<subscribers-read xmlns="http://xml.juniper.net/sdx/subscribers-read">  
  <subscriber-session xmlns="http://xml.juniper.net/sdx/subscriber-session"> ... </subscriber-session>  
</subscribers-read>
```

Contents

<subscriber-session>

Multiple tag: can occur zero or more times.
[subscriber-session](#)

<subscribers-read-subscriber>

Usage

```
<subscribers-read-subscriber xmlns="http://xml.juniper.net/sdx/subscribers-read-subscriber">  
  <subscriber-session xmlns="http://xml.juniper.net/sdx/subscriber-session"> ... </subscriber-session>  
</subscribers-read-subscriber>
```

Contents

<subscriber-session>

Multiple tag: can occur zero or more times.

[subscriber-session](#)

<subscription-attribute>

Usage

```
<subscription-attribute xmlns="http://xml.juniper.net/sdx/subscription-attribute">  
  <subscription-attributes> subscription-attributes </subscription-attributes>  
</subscription-attribute>
```

Contents

<subscription-attributes> —Subscription attributes

Value—Text

Sessions Database Operational Tag Elements

[Table 30](#) lists the SRC CLI operational mode commands that have corresponding SRC XML request tag elements in the current version of the SRC software, and maps each command to its request tag element. CLI configuration commands and statements are listed in alphabetical order.

For a list of mappings organized alphabetically by request tag element name, see [Table 31](#). For more information about CLI commands, see the *SRC PE CLI Command Reference*.

For a list of response tag elements, see [Table 32](#).

Table 30: Mapping of Sessions Database CLI Commands to Operational Tag Elements

CLI Command	Request Tag Element
show session-database status	get-sdb-cluster-data
show session database service session count	get-session-database-service-session-count

[Table 31](#) maps SRC XML operational request tag elements to SRC CLI commands. Tag elements are listed in alphabetical order.

Table 31: Mapping of Sessions Database Operational Tag Elements to CLI Commands

Request Tag Element	CLI Command
get-sdb-cluster-data	show session-database status
get-session-database-service-session-count	show session database service session count

[Table 32](#) lists the SRC XML operational response tag elements. Tag elements are listed in alphabetical order.

Table 32: Operational Response Tag Elements

Response Tag Element
client-data
cluster-data
node-data

<get-sdb-cluster-data>

Usage

```
<rpc>  
  <get-sdb-cluster-data>  
  </get-sdb-cluster-data>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Display session database cluster status.

Required Privilege Level

view

Output Tag

[cluster-data](#)

<get-session-database-service-session-count>

Usage

```
<rpc>  
  <get-session-database-service-session-count>  
  </get-session-database-service-session-count>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.0.0

Description

Display number of service sessions added since cluster startup. This value includes any sessions that have been released.

Required Privilege Level

view

<client-data>

Usage

```
<client-data xmlns="http://xml.juniper.net/sdx/client-data">  
  <name> name </name>  
</client-data>
```

Contents

<name> —Client url

Value—Text

<cluster-data>

Usage

```
<cluster-data xmlns="http://xml.juniper.net/sdx/cluster-data">  
  <client-data xmlns="http://xml.juniper.net/sdx/client-data"> ... </client-data>  
  <node-data xmlns="http://xml.juniper.net/sdx/node-data"> ... </node-data>  
</cluster-data>
```

Contents

<client-data>

Multiple tag: can occur zero or more times.

[client-data](#)

<node-data>

Multiple tag: can occur zero or more times.

[node-data](#)

<node-data>

Usage

```
<node-data xmlns="http://xml.juniper.net/sdx/node-data">  
  <health> health </health>  
  <name> name </name>  
  <role> role </role>  
  <status> status </status>  
</node-data>
```

Contents

<health> —Health of node

Value—Text

<name> —Server node

Value—Text

<role> —Role of node

Value—Text

<status> —Status of node

Value—Text

IP Multimedia Subsystem (IMS) Operational Tag Elements

[Table 33](#) lists the SRC CLI operational mode commands that have corresponding SRC XML request tag elements in the current version of the SRC software, and maps each command to its request tag element. CLI configuration commands and statements are listed in alphabetical order.

For a list of mappings organized alphabetically by request tag element name, see [Table 34](#). For more information about CLI commands, see the *SRC PE CLI Command Reference*.

For a list of response tag elements, see [Table 35](#).

Table 33: Mapping of IP Multimedia Subsystem (IMS) CLI Commands to Operational Tag Elements

CLI Command	Request Tag Element
test ims aracf-rq aar session-modify	AAR-session-modify
test ims aracf-rq aar session-start	AAR-session-start
test ims aracf-rq str	STR
show ims aracf rq peers	get-ims-aracf-rq-peers
show ims statistics aracf rq	get-ims-statistics-aracf-rq
show ims statistics aracf rq process	get-ims-statistics-aracf-rq-process

[Table 34](#) maps SRC XML operational request tag elements to SRC CLI commands. Tag elements are listed in alphabetical order.

Table 34: Mapping of IP Multimedia Subsystem (IMS) Operational Tag Elements to CLI Commands

Request Tag Element	CLI Command
AAR-session-modify	test ims aracf-rq aar session-modify
AAR-session-start	test ims aracf-rq aar session-start
STR	test ims aracf-rq str
get-ims-aracf-rq-peers	show ims aracf rq peers
get-ims-statistics-aracf-rq	show ims statistics aracf rq
get-ims-statistics-aracf-rq-process	show ims statistics aracf rq process

[Table 35](#) lists the SRC XML operational response tag elements. Tag elements are listed in alphabetical order.

Table 35: Operational Response Tag Elements

Response Tag Element
aracf-rq

aracf-rq-peers
jvm-stats
peer

<AAR-session-modify>

Usage

```
<rpc>
  <AAR-session-modify>
    <session-id> session-id </session-id>
    <aar-name> aar-name </aar-name>
  </AAR-session-modify>
</rpc>
```

Release Information

Command introduced in SRC Release 3.1.0

Description

Simulate AAR request for service modification of an existing Diameter session.

Contents

<session-id>— Session ID to be modified.

Value—Text

Default— No value

<aar-name>— Name of AAR message.

Value—Text

Required Privilege Level

view

<AAR-session-start>

Usage

```
<rpc>
  <AAR-session-start>
    <aar-name> aar-name </aar-name>
    <framed-ip-address> framed-ip-address </framed-ip-address>
    <user-name> user-name </user-name>
    <origin-host> origin-host </origin-host>
    <origin-realm> origin-realm </origin-realm>
  </AAR-session-start>
</rpc>
```

Release Information

Command introduced in SRC Release 3.1.0

Description

Simulate initial AAR request for service activations.

Contents

<aar-name>— Name of AAR for activating service.

Value—Text

Default— No value

<framed-ip-address>— (Optional) Subscriber IP address. If specified, this value overrides the value in the AAR message.

Value—Text

Default— No value

<user-name>— (Optional) Subscriber name. If specified, this value overrides the value in the AAR message.

Value—Text

Default— No value

<origin-host>— (Optional) Host of the simulator that generates the AAR packet. If specified, this value overrides the value in the AAR message.

Value—Text

Default— No value

`<origin-realm>`— (Optional) Origin realm of the simulator that generates this packet. If specified, this value overrides the value in the AAR message.

Value—Text

Default— No value

Required Privilege Level

view

<STR>

Usage

```
<rpc>  
  <STR>  
    <session-id> session-id </session-id>  
  </STR>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.1.0

Description

Simulate STR requests to deactivate Diameter session.

Contents

<session-id>— Session ID to be terminated.

Value—Text

Default— No value

Required Privilege Level

view

<get-ims-aracf-rq-peers>

Usage

```

<rpc>
  <get-ims-aracf-rq-peers>
    <peer-name> peer-name </peer-name>
    <style> style-choice </style>
  </get-ims-aracf-rq-peers>
</rpc>

```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display information for a peer instance.

Contents

<peer-name>— (Optional) Name of a peer. If no peer name is provided, it will display status for all configured peers.

Value— All or part of the peer name.

Default— No value

<style>— (Optional) Output style.

Value

- **brief**— Display only names and connectivity.

Default— Detail

Required Privilege Level

view

Output Tag

[aracf-rq-peers](#)

<get-ims-statistics-aracf-rq>

Usage

```
<rpc>  
  <get-ims-statistics-aracf-rq>  
  </get-ims-statistics-aracf-rq>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display A-RACF Rq statistics, including information about the server process and the current state of the A-RACF Rq interface.

Required Privilege Level

view

Output Tag

[aracf-rq](#)

<get-ims-statistics-aracf-rq-process>

Usage

```
<rpc>  
  <get-ims-statistics-aracf-rq-process>  
  </get-ims-statistics-aracf-rq-process>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display information about the IMS server process.

Required Privilege Level

view

Output Tag

[jym-stats](#)

<aracf-rq>

Usage

```
<aracf-rq xmlns="http://xml.juniper.net/sdx/aracf-rq">  
  <jvm-stats xmlns="http://xml.juniper.net/sdx/jvm-stats"> ... </jvm-stats>  
</aracf-rq>
```

Description

ims aracf rq Statistics

Contents

<jvm-stats>

[jvm-stats](#)

Style

detail

<jvm-stats>

<aracf-rq-peers>

Usage

```
<aracf-rq-peers xmlns="http://xml.juniper.net/sdx/aracf-rq-peers">  
  <peer xmlns="http://xml.juniper.net/sdx/peer"> ... </peer>  
</aracf-rq-peers>
```

Contents

<peer> —A sequence of rq-peers

Multiple tag: can occur zero or more times.

[peer](#)

Style

brief

<peer>

detail

<peer>

<jvm-stats>

Usage

```
<jvm-stats xmlns="http://xml.juniper.net/sdx/jvm-stats">
  <heap-limit> heap-limit </heap-limit>
  <heap-used> heap-used </heap-used>
  <number-threads> number-threads </number-threads>
  <up-since> up-since </up-since>
  <up-time> up-time </up-time>
</jvm-stats>
```

Description

Rq Server Process Statistics

Contents

<heap-limit> —Heap limit (bytes)

Value—Integer in the range -9223372036854775808–9223372036854775807

<heap-used> —Heap used (bytes)

Value—Text

<number-threads> —Rq server threads

Value—Integer in the range -2147483648–2147483647

<up-since> —Rq server up since

Value—Text

<up-time> —Rq server up time (seconds)

Value—Integer in the range -2147483648–2147483647

Style

detail

```
<heap-limit>
<heap-used>
```

<number-threads>
<up-since>
<up-time>

<peer>

Usage

```
<peer xmlns="http://xml.juniper.net/sdx/peer">
  <connection-time> connection-time </connection-time>
  <ip-addresses> ip-addresses </ip-addresses>
  <name> name </name>
  <origin-host> origin-host </origin-host>
  <protocol> protocol </protocol>
  <rvd-aar> rvd-aar </rvd-aar>
  <rvd-asa> rvd-asa </rvd-asa>
  <rvd-raa> rvd-raa </rvd-raa>
  <rvd-str> rvd-str </rvd-str>
  <rvd-uar> rvd-uar </rvd-uar>
  <sent-aaa> sent-aaa </sent-aaa>
  <sent-asr> sent-asr </sent-asr>
  <sent-rar> sent-rar </sent-rar>
  <sent-sta> sent-sta </sent-sta>
  <sent-uaa> sent-uaa </sent-uaa>
  <status> status </status>
</peer>
```

Contents

<connection-time> —Connection Time

<ip-addresses> —IP addresses

Value—Text

<name> —Name

<origin-host> —Origin Host

<protocol> —Protocol

Value—Text

<rvd-aar> —Number of received AAR

Value—Integer in the range -2147483648–2147483647

<rvd-asa> —Number of received ASA

Value—Integer in the range -2147483648–2147483647

<rvd-raa> —Number of received RAA

Value—Integer in the range -2147483648–2147483647

<rvd-str> —Number of received STR

Value—Integer in the range -2147483648–2147483647

<rvd-uar> —Number of received UDR

Value—Integer in the range -2147483648–2147483647

<sent-aaa> —Number of sent AAA

Value—Integer in the range -2147483648–2147483647

<sent-asr> —Number of sent ASR

Value—Integer in the range -2147483648–2147483647

<sent-rar> —Number of sent RAR

Value—Integer in the range -2147483648–2147483647

<sent-sta> —Number of sent STA

Value—Integer in the range -2147483648–2147483647

<sent-uaa> —Number of sent UDA

Value—Integer in the range -2147483648–2147483647

<status> —Status

Style

brief

<name>

<status>

detail

<connection-time>
<ip-addresses>
<name>
<origin-host>
<protocol>
<rvd-aar>
<rvd-asa>
<rvd-raa>
<rvd-str>
<rvd-uar>
<sent-aaa>
<sent-asr>
<sent-rar>
<sent-sta>
<sent-uaa>
<status>

Diameter Application Operational Tag Elements

[Table 36](#) lists the SRC CLI operational mode commands that have corresponding SRC XML request tag elements in the current version of the SRC software, and maps each command to its request tag element. CLI configuration commands and statements are listed in alphabetical order.

For a list of mappings organized alphabetically by request tag element name, see [Table 37](#). For more information about CLI commands, see the *SRC PE CLI Command Reference*.

For a list of response tag elements, see [Table 38](#).

Table 36: Mapping of Diameter Application CLI Commands to Operational Tag Elements

CLI Command	Request Tag Element
show diameter statistics	get-diameter-statistics
show diameter statistics message handler	get-diameter-statistics-message-handler
show diameter statistics message handler message flow	get-diameter-statistics-message-handler-message-flow
show diameter statistics process	get-diameter-statistics-process
show diameter statistics requests	get-diameter-statistics-requests
show diameter status	get-diameter-status
show diameter status clients	get-diameter-status-clients
show diameter status peers	get-diameter-status-peers

[Table 37](#) maps SRC XML operational request tag elements to SRC CLI commands. Tag elements are listed in alphabetical order.

Table 37: Mapping of Diameter Application Operational Tag Elements to CLI Commands

Request Tag Element	CLI Command
get-diameter-statistics	show diameter statistics
get-diameter-statistics-message-handler	show diameter statistics message handler
get-diameter-statistics-message-handler-message-flow	show diameter statistics message handler message flow
get-diameter-statistics-process	show diameter statistics process
get-diameter-statistics-requests	show diameter statistics requests
get-diameter-status	show diameter status
get-diameter-status-clients	show diameter status clients
get-diameter-status-peers	show diameter status peers

[Table 38](#) lists the SRC XML operational response tag elements. Tag elements are listed in alphabetical order.

Table 38: Operational Response Tag Elements

Response Tag Element
client
client-diameter-message
clients
forwarder
jvm-stats
msg-flow
msg-handler
peer
peer-diameter-message
peers
request
statistics
status

<get-diameter-statistics>

Usage

```
<rpc>  
  <get-diameter-statistics>  
  </get-diameter-statistics>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display Diameter statistics, including information about the server process and the current state of the Diameter server.

Required Privilege Level

view

Output Tag

[statistics](#)

<get-diameter-statistics-message-handler>

Usage

```
<rpc>  
  <get-diameter-statistics-message-handler>  
  </get-diameter-statistics-message-handler>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display statistics for the Diameter message handler.

Required Privilege Level

view

Output Tag

[msg-handler](#)

<get-diameter-statistics-message-handler-message-flow>

Usage

```
<rpc>
  <get-diameter-statistics-message-handler-message-flow>
    <id> id </id>
  </get-diameter-statistics-message-handler-message-flow>
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display statistics for Diameter message flows.

Contents

<id>— (Optional) Message flow ID filter.

Value— Substring of the message flow ID. If the message flow ID filter is not specified, all message flows are selected.

Default— No value

Required Privilege Level

view

Output Tag

[msg-flow](#)

<get-diameter-statistics-process>

Usage

```
<rpc>  
  <get-diameter-statistics-process>  
  </get-diameter-statistics-process>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display information about the Diameter server process.

Required Privilege Level

view

Output Tag

[jym-stats](#)

<get-diameter-statistics-requests>

Usage

```
<rpc>  
  <get-diameter-statistics-requests>  
  </get-diameter-statistics-requests>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display information about the Diameter server requests.

Required Privilege Level

view

Output Tag

[request](#)

<get-diameter-status>

Usage

```
<rpc>  
  <get-diameter-status>  
    <style> style-choice </style>  
  </get-diameter-status>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display Diameter status.

Contents

<style>— (Optional) Output style.

Value

- **brief**— Display only peer and client names.

Default— Detail

Required Privilege Level

view

Output Tag

[status](#)

<get-diameter-status-clients>

Usage

```
<rpc>  
  <get-diameter-status-clients>  
    <client-name> client-name </client-name>  
  </get-diameter-status-clients>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display information for a client instance.

Contents

<client-name>— (Optional) Name of a client.

Value— All or part of the client name.

Default— No value

Required Privilege Level

view

Output Tag

[clients](#)

<get-diameter-status-peers>

Usage

```
<rpc>  
  <get-diameter-status-peers>  
    <peer-name> peer-name </peer-name>  
  </get-diameter-status-peers>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display information for a peer instance.

Contents

<peer-name>— (Optional) Name of a peer.

Value— All or part of the peer name.

Default— No value

Required Privilege Level

view

Output Tag

[peers](#)

<client>

Usage

```
<client xmlns="http://xml.juniper.net/sdx/client">
  <jsrc-id> jsrc-id </jsrc-id>
  <nas-group> nas-group </nas-group>
  <origin-host> origin-host </origin-host>
  <send-failed> send-failed </send-failed>
  <solicited-requests> solicited-requests </solicited-requests>
  <src-id> src-id </src-id>
  <unsolicited-requests> unsolicited-requests </unsolicited-requests>
</client>
```

Contents

<jsrc-id> —Jsrc ID

<nas-group> —NAS group

<origin-host> —Origin host

<send-failed> —Number of message failures

Value—Integer in the range -2147483648–2147483647

<solicited-requests> —Number of messages forwarded to client

Value—Integer in the range -2147483648–2147483647

<src-id> —SRC id

<unsolicited-requests> —Number of messages sent from client

Value—Integer in the range -2147483648–2147483647

Style

brief

<src-id>

detail

<jsrc-id>
<nas-group>
<origin-host>
<send-failed>
<solicited-requests>
<src-id>
<unsolicited-requests>

<client-diameter-message>

Usage

```
<client-diameter-message xmlns="http://xml.juniper.net/sdx/client-diameter-message">
  <asr-sent-requests> asr-sent-requests </asr-sent-requests>
  <avg-latency> avg-latency </avg-latency>
  <avg-ps-processing-time> avg-ps-processing-time </avg-ps-processing-time>
  <ppr-sent-requests> ppr-sent-requests </ppr-sent-requests>
  <sent-requests> sent-requests </sent-requests>
  <srq-sent-requests> srq-sent-requests </srq-sent-requests>
</client-diameter-message>
```

Contents

<asr-sent-requests> —Abort-Session requests (ASR)

Value—Integer in the range -2147483648–2147483647

<avg-latency> —Average diameter server processing time (last 5000 sent rqs, ms)

Value—Integer in the range -2147483648–2147483647

<avg-ps-processing-time> —Average PS processing time (last 5000 rcv rqs, ms)

Value—Integer in the range -2147483648–2147483647

<ppr-sent-requests> —Push-Profile requests (PPR)

Value—Integer in the range -2147483648–2147483647

<sent-requests> —Total of sent requests

Value—Integer in the range -2147483648–2147483647

<srq-sent-requests> —Session resource (SRQ)

Value—Integer in the range -2147483648–2147483647

<clients>

Usage

```
<clients xmlns="http://xml.juniper.net/sdx/clients">  
  <client xmlns="http://xml.juniper.net/sdx/client"> ... </client>  
</clients>
```

Contents

<client>

Multiple tag: can occur zero or more times.

[client](#)

Style

brief

<client>

detail

<client>

<forwarder>

Usage

```
<forwarder xmlns="http://xml.juniper.net/sdx/forwarder">  
  <jvm-stats xmlns="http://xml.juniper.net/sdx/jvm-stats"> ... </jvm-stats>  
  <msg-handler xmlns="http://xml.juniper.net/sdx/msg-handler"> ... </msg-handler>  
</forwarder>
```

Description

Diameter Server Statistics

Contents

<jvm-stats>

[jvm-stats](#)

<msg-handler>

[msg-handler](#)

Style

detail

```
<jvm-stats>  
<msg-handler>
```

<jvm-stats>

Usage

```
<jvm-stats xmlns="http://xml.juniper.net/sdx/jvm-stats">
  <heap-limit> heap-limit </heap-limit>
  <heap-used> heap-used </heap-used>
  <number-threads> number-threads </number-threads>
  <up-since> up-since </up-since>
  <up-time> up-time </up-time>
</jvm-stats>
```

Description

Diameter Server Process Statistics

Contents

<heap-limit> —Heap limit (bytes)

Value—Integer in the range -9223372036854775808–9223372036854775807

<heap-used> —Heap used (bytes)

Value—Text

<number-threads> —Diameter server threads

Value—Integer in the range -2147483648–2147483647

<up-since> —Diameter server up since

Value—Text

<up-time> —Diameter server up time (seconds)

Value—Integer in the range -2147483648–2147483647

<msg-flow>

Usage

```
<msg-flow xmlns="http://xml.juniper.net/sdx/msg-flow">
  <avg-latency> avg-latency </avg-latency>
  <avg-throughput> avg-throughput </avg-throughput>
  <creation-time> creation-time </creation-time>
  <id> id </id>
  <msg-drop> msg-drop </msg-drop>
  <msg-fwd> msg-fwd </msg-fwd>
  <msg-rcvd> msg-rcvd </msg-rcvd>
  <msgflow-size> msgflow-size </msgflow-size>
  <up-time> up-time </up-time>
</msg-flow>
```

Description

Diameter Message Flow

Contents

<avg-latency> —Average non-decoding time (last 5000 messages, ms)

Value—Integer in the range -2147483648–2147483647

<avg-throughput> —Throughput (last 60s, msgs/s)

Value—Text

<creation-time> —Creation time

Value—Text

<id> —Flow id

Value—Text

<msg-drop> —Message dropped

Value—Integer in the range -2147483648–2147483647

<msg-fwd> —Message forwarded

Value—Integer in the range -2147483648–2147483647

<msg-rcvd> —Message received

Value—Integer in the range -2147483648–2147483647

<msgflow-size> —Message flow size

Value—Integer in the range -2147483648–2147483647

<up-time> —Up time (s)

Value—Integer in the range -9223372036854775808–9223372036854775807

<msg-handler>

Usage

```
<msg-handler xmlns="http://xml.juniper.net/sdx/msg-handler">
  <avg-latency> avg-latency </avg-latency>
  <avg-throughput> avg-throughput </avg-throughput>
  <msg-drop> msg-drop </msg-drop>
  <msg-forward> msg-forward </msg-forward>
  <msg-rcvd> msg-rcvd </msg-rcvd>
</msg-handler>
```

Description

Diameter Message Handler

Contents

<avg-latency> —Average non-decoding time (last 5000 msgs, ms)

Value—Integer in the range -2147483648–2147483647

<avg-throughput> —Throughput (last 60s, msgs/s)

Value—Text

<msg-drop> —Messages dropped

Value—Integer in the range -2147483648–2147483647

<msg-forward> —Messages handled

Value—Integer in the range -2147483648–2147483647

<msg-rcvd> —Messages received

Value—Integer in the range -2147483648–2147483647

<peer>

Usage

```
<peer xmlns="http://xml.juniper.net/sdx/peer">
  <connection-time> connection-time </connection-time>
  <functions> functions </functions>
  <ip-addresses> ip-addresses </ip-addresses>
  <message-failures> message-failures </message-failures>
  <name> name </name>
  <origin-host> origin-host </origin-host>
  <pointing-container-device-names> pointing-container-device-names </pointing-container-device-names>
  <pointing-container-identifiers> pointing-container-identifiers </pointing-container-identifiers>
  <protocol> protocol </protocol>
  <received-requests> received-requests </received-requests>
  <received-responses> received-responses </received-responses>
  <sent-requests> sent-requests </sent-requests>
  <sent-responses> sent-responses </sent-responses>
  <status> status </status>
</peer>
```

Contents

<connection-time> —Connection Time

<functions> —Function

Value—Text

<ip-addresses> —IP addresses

Value—Text

<message-failures> —Number of message failures

Value—Integer in the range -2147483648–2147483647

<name> —Name

<origin-host> —Origin Host

<pointing-container-device-names> —Device or NAS group names

<pointing-container-identifiers> —Pointing container identifiers

<protocol> —Protocol

Value—Text

<received-requests> —Number of received requests

Value—Integer in the range -2147483648–2147483647

<received-responses> —Number of received responses

Value—Integer in the range -2147483648–2147483647

<sent-requests> —Number of sent requests

Value—Integer in the range -2147483648–2147483647

<sent-responses> —Number of sent responses

Value—Integer in the range -2147483648–2147483647

<status> —Status

Style

brief

<name>

detail

<connection-time>
 <ip-addresses>
 <message-failures>
 <name>
 <origin-host>
 <pointing-container-device-names>
 <protocol>
 <received-requests>
 <received-responses>
 <sent-requests>
 <sent-responses>
 <status>

<peer-diameter-message>

Usage

```
<peer-diameter-message xmlns="http://xml.juniper.net/sdx/peer-diameter-message">
  <aar-received-requests> aar-received-requests </aar-received-requests>
  <acr-received-requests> acr-received-requests </acr-received-requests>
  <avg-latency> avg-latency </avg-latency>
  <avg-src-processing-time> avg-src-processing-time </avg-src-processing-time>
  <received-requests> received-requests </received-requests>
  <srq-received-requests> srq-received-requests </srq-received-requests>
  <str-received-requests> str-received-requests </str-received-requests>
</peer-diameter-message>
```

Contents

<aar-received-requests> —Authorization-Authentication requests (AAR)

Value—Integer in the range -2147483648–2147483647

<acr-received-requests> —Accounting requests (ACR)

Value—Integer in the range -2147483648–2147483647

<avg-latency> —Average diameter server processing time (last 5000 rcv rqs, ms)

Value—Integer in the range -2147483648–2147483647

<avg-src-processing-time> —Average SRC processing time (last 5000 rcv rqs, ms)

Value—Integer in the range -2147483648–2147483647

<received-requests> —Total of received requests

Value—Integer in the range -2147483648–2147483647

<srq-received-requests> —Session resource (SRQ)

Value—Integer in the range -2147483648–2147483647

<str-received-requests> —Session-Termination requests (STR)

Value—Integer in the range -2147483648–2147483647

<peers>

Usage

```
<peers xmlns="http://xml.juniper.net/sdx/peers">  
  <peer xmlns="http://xml.juniper.net/sdx/peer"> ... </peer>  
</peers>
```

Contents

<peer>

Multiple tag: can occur zero or more times.

[peer](#)

Style

brief

<peer>

detail

<peer>

<request>

Usage

```
<request xmlns="http://xml.juniper.net/sdx/request">  
  <client-diameter-message xmlns="http://xml.juniper.net/sdx/client-diameter-message"> ... </client-diameter-  
message>  
  <peer-diameter-message xmlns="http://xml.juniper.net/sdx/peer-diameter-message"> ... </peer-diameter-message>  
</request>
```

Contents

<client-diameter-message>

[client-diameter-message](#)

<peer-diameter-message>

[peer-diameter-message](#)

<statistics>

Usage

```
<statistics xmlns="http://xml.juniper.net/sdx/statistics">  
  <jvm-stats xmlns="http://xml.juniper.net/sdx/jvm-stats"> ... </jvm-stats>  
  <msg-handler xmlns="http://xml.juniper.net/sdx/msg-handler"> ... </msg-handler>  
  <request xmlns="http://xml.juniper.net/sdx/request"> ... </request>  
</statistics>
```

Contents

<jvm-stats>

[jvm-stats](#)

<msg-handler>

[msg-handler](#)

<request>

[request](#)

<status>

Usage

```
<status xmlns="http://xml.juniper.net/sdx/status">  
  <client xmlns="http://xml.juniper.net/sdx/client"> ... </client>  
  <peer xmlns="http://xml.juniper.net/sdx/peer"> ... </peer>  
</status>
```

Contents

<client>

Multiple tag: can occur zero or more times.

[client](#)

<peer>

Multiple tag: can occur zero or more times.

[peer](#)

Style

brief

<client>

<peer>

detail

<client>

<peer>

SRC License Management Operational Tag Elements

[Table 39](#) lists the SRC CLI operational mode commands that have corresponding SRC XML request tag elements in the current version of the SRC software, and maps each command to its request tag element. CLI configuration commands and statements are listed in alphabetical order.

For a list of mappings organized alphabetically by request tag element name, see [Table 40](#). For more information about CLI commands, see the *SRC PE CLI Command Reference*.

For a list of response tag elements, see [Table 41](#).

Table 39: Mapping of License Management CLI Commands to Operational Tag Elements

| CLI Command | Request Tag Element |
|------------------------------|------------------------------|
| request license import | request-license-import |
| request license remove | request-license-remove |
| request license usage report | request-license-usage-report |
| show license allocated | show-license-allocated |

[Table 40](#) maps SRC XML operational request tag elements to SRC CLI commands. Tag elements are listed in alphabetical order.

Table 40: Mapping of License Management Operational Tag Elements to CLI Commands

| Request Tag Element | CLI Command |
|--|------------------------------|
| request-license-import | request license import |
| request-license-remove | request license remove |
| request-license-usage-report | request license usage report |
| show-license-allocated | show license allocated |

[Table 41](#) lists the SRC XML operational response tag elements. Tag elements are listed in alphabetical order.

Table 41: Operational Response Tag Elements

| Response Tag Element |
|---------------------------------------|
| allocated-license |
| allocated-licenses |
| allocated-licenses-vr |

<request-license-import>

Usage

```
<rpc>
  <request-license-import>
    <file-name> file-name </file-name>
    <server-address> server-address </server-address>
    <name-space> name-space </name-space>
    <authentication-dn> authentication-dn </authentication-dn>
    <password> password </password>
    <master-license/>
  </request-license-import>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Import an SRC license into the directory. The license can be either a pilot license or a server license. Use the `master-license` option to install a server, or master, license.

Contents

`<file-name>`— Name of the file that contains the SRC license information.

Value— Filename

Default— No value

`<server-address>`— (Optional) IP address for the primary directory server. For C Series Controllers, this is the platform that has the Juniper Networks database configured to have a primary role.

Value— IP address

Default— No value

`<name-space>`— (Optional) Base distinguished name (DN) for the directory. In most cases you can use the default `<base>`.

Value— Base DN

Default— `<base>`

`<authentication-dn>`— (Optional) DN used for directory authentication.

Value— DN

Default— No value

<password>— (Optional) Password used for directory authentication.

Value— Password

Default— No value

<master-license>— (Optional) License is a server, or master, license.

Required Privilege Level

maintenance

<request-license-remove>

Usage

```
<rpc>
  <request-license-remove>
    <license-id> license-id </license-id>
    <server-address> server-address </server-address>
    <name-space> name-space </name-space>
    <authentication-dn> authentication-dn </authentication-dn>
    <password> password </password>
    <master-license/>
    <all/>
  </request-license-remove>
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Remove an SRC license from the directory. Use the `master-license` option to remove a server, or master, license.

Contents

`<license-id>`— (Optional) License ID identifying the license to be removed.

Value— license ID

Default— No value

`<server-address>`— (Optional) IP address for the primary directory server. For C Series Controllers, this is the platform that has the Juniper Networks database configured to have a primary role.

Value— IP address

Default— No value

`<name-space>`— (Optional) Base distinguished name (DN) for the directory. In most cases you can use the default `<base>`.

Value— Base DN

Default— `<base>`

`<authentication-dn>`— (Optional) DN used for directory authentication.

Value— DN
Default— No value

<password>— (Optional) Password used for directory authentication.

Value— Password
Default— No value

<master-license>— (Optional) Remove the master license.

<all>— (Optional) Remove all licenses.

Required Privilege Level

maintenance

<request-license-usage-report>

Usage

```
<rpc>  
  <request-license-usage-report>  
    <slot> slot </slot>  
  </request-license-usage-report>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Create a license usage report. The report lists the date the report was created, and for each license the customer identification information, the license serial number, and the number of licenses installed. It also lists the number of concurrent active SAE service sessions (maximum number of license units) that can be allocated, and the maximum number of concurrent active SAE service sessions allocated since the license was installed or since the last license usage report was created.

Contents

<slot>— (Optional) Number of the slot for which you want to request a license report.

Value— Currently the chassis has only one slot. The valid value is 0.

Default— 0

Required Privilege Level

maintenance

<show-license-allocated>

Usage

```
<rpc>  
  <show-license-allocated>  
    <virtual-router> virtual-router </virtual-router>  
    <slot> slot </slot>  
  </show-license-allocated>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.1.0

Description

Display information stored in the most recent usage report for the license server. The usage report provides information about the maximum number of concurrent service sessions in use per virtual router since the last time a usage report was generated, and compares this number with the maximum number of sessions allowed by the SRC server license.

Contents

<virtual-router>— (Optional) Name of virtual router for which to display license usage information.

Value— VR name

Default— No value

<slot>— (Optional) Number of the slot for which you want to display license usage information.

Value— Currently the chassis has only one slot. The valid value is 0.

Default— 0

Required Privilege Level

view

Output Tag

[allocated-licenses](#)

<allocated-license>

Usage

```
<allocated-license xmlns="http://xml.juniper.net/sdx/allocated-license">  
  <enforcement-type> enforcement-type </enforcement-type>  
  <expiry> expiry </expiry>  
  <granted> granted </granted>  
  <last-granted> last-granted </last-granted>  
</allocated-license>
```

Contents

<enforcement-type> —Enforcement type

<expiry> —Expiry

<granted> —Granted

<last-granted> —Last Granted

<allocated-licenses>

Usage

```
<allocated-licenses xmlns="http://xml.juniper.net/sdx/allocated-licenses">  
  <allocated-licenses-vr xmlns="http://xml.juniper.net/sdx/allocated-licenses-vr"> ... </allocated-licenses-vr>  
</allocated-licenses>
```

Contents

<allocated-licenses-vr>

Multiple tag: can occur zero or more times.

[allocated-licenses-vr](#)

<allocated-licenses-vr>

Usage

```
<allocated-licenses-vr xmlns="http://xml.juniper.net/sdx/allocated-licenses-vr">  
  <allocated-license xmlns="http://xml.juniper.net/sdx/allocated-license"> ... </allocated-license>  
    <vr-name> vr-name </vr-name>  
</allocated-licenses-vr>
```

Contents

<allocated-license>

Multiple tag: can occur zero or more times.

[allocated-license](#)

<vr-name> —Virtual router name

COS Naming Service Operational Tag Elements

[Table 42](#) lists the SRC CLI operational mode commands that have corresponding SRC XML request tag elements in the current version of the SRC software, and maps each command to its request tag element. CLI configuration commands and statements are listed in alphabetical order.

For a list of mappings organized alphabetically by request tag element name, see [Table 43](#). For more information about CLI commands, see the *SRC PE CLI Command Reference*.

Table 42: Mapping of Naming Service CLI Commands to Operational Tag Elements

| CLI Command | Request Tag Element |
|--------------------------|--------------------------|
| request naming add | request-naming-add |
| request naming clear | request_naming_clear |
| request naming translate | request_naming_translate |
| show naming data | show_naming_data |
| show naming statistics | show_naming_statistics |

[Table 43](#) maps SRC XML operational request tag elements to SRC CLI commands. Tag elements are listed in alphabetical order.

Table 43: Mapping of Naming Service Operational Tag Elements to CLI Commands

| Request Tag Element | CLI Command |
|--|--------------------------|
| request_naming_add | request naming add |
| request_naming_clear | request naming clear |
| request_naming_translate | request naming translate |
| show_naming_data | show naming data |
| show_naming_statistics | show naming statistics |

request naming add

Syntax

```
request naming add name name object-reference object-reference
```

Release Information

Command introduced in SRC Release 3.2.0

Description

Add a name binding.

Options

name *name*— Object name.

Value—Text

object-reference *object-reference*— Interoperable object reference (IOR).

Value—Text

Required Privilege Level

maintenance

request naming clear

Syntax

```
request naming clear <name name>
```

Release Information

Command introduced in SRC Release 3.2.0

Description

Remove name bindings.

Options

name *name*—(Optional) Object name.

Value—Text

Required Privilege Level

clear

request naming translate

Syntax

```
request naming translate name
```

Release Information

Command introduced in SRC Release 3.2.0

Description

Display details about the specified name or IOR. If a name is specified, then the command looks up the name in the naming server and then displays the details. If a literal IOR is specified, then the command just displays the details for it.

Options

name— Name or object reference.

Value—Text

Required Privilege Level

maintenance

show naming data

Syntax

```
show naming data <name name> <detailed>
```

Release Information

Command introduced in SRC Release 3.2.0

Description

Display information for name bindings.

Options

`name name`—(Optional) Object name.

Value—Text

`detailed`—(Optional) Add detailed information.

Required Privilege Level

maintenance

show naming statistics

Syntax

```
show naming statistics
```

Release Information

Command introduced in SRC Release 3.2.0

Description

Display statistics.

Required Privilege Level

maintenance

Juniper Policy Server (JPS) Operational Tag Elements

[Table 44](#) lists the SRC CLI operational mode commands that have corresponding SRC XML request tag elements in the current version of the SRC software, and maps each command to its request tag element. CLI configuration commands and statements are listed in alphabetical order.

For a list of mappings organized alphabetically by request tag element name, see [Table 45](#). For more information about CLI commands, see the *SRC PE CLI Command Reference*.

For a list of response tag elements, see [Table 46](#).

Table 44: Mapping of Juniper Policy Server CLI Commands to Operational Tag Elements

| CLI Command | Request Tag Element |
|--|---|
| show jps statistics | get-jps-statistics |
| show jps statistics am | get-jps-statistics-am |
| show jps statistics am connections | get-jps-statistics-am-connections |
| show jps statistics cmts | get-jps-statistics-cmts |
| show jps statistics cmts connections | get-jps-statistics-cmts-connections |
| show jps statistics cmts locator | get-jps-statistics-cmts-locator |
| show jps statistics message handler | get-jps-statistics-message-handler |
| show jps statistics message handler message flow | get-jps-statistics-message-handler-message-flow |
| show jps statistics process | get-jps-statistics-process |
| show jps statistics rks | get-jps-statistics-rks |

[Table 45](#) maps SRC XML operational request tag elements to SRC CLI commands. Tag elements are listed in alphabetical order.

Table 45: Mapping of Juniper Policy Server Operational Tag Elements to CLI Commands

| Request Tag Element | CLI Command |
|---|--------------------------------------|
| get-jps-statistics | show jps statistics |
| get-jps-statistics-am | show jps statistics am |
| get-jps-statistics-am-connections | show jps statistics am connections |
| get-jps-statistics-cmts | show jps statistics cmts |
| get-jps-statistics-cmts-connections | show jps statistics cmts connections |
| get-jps-statistics-cmts-locator | show jps statistics cmts locator |
| get-jps-statistics-message-handler | show jps statistics message handler |

| | |
|---|--|
| get-jps-statistics-message-handler-message-flow | show jps statistics message handler message flow |
| get-jps-statistics-process | show jps statistics process |
| get-jps-statistics-rks | show jps statistics rks |

[Table 46](#) lists the SRC XML operational response tag elements. Tag elements are listed in alphabetical order.

Table 46: Operational Response Tag Elements

| Response Tag Element |
|------------------------------------|
| admin |
| jps-conns |
| jps-server-process |
| msg-flow |
| msg-flows |
| msg-handler |
| north |
| north-conn-handler |
| pep-locator-nic |
| radius-plugin |
| south-conn-handler |
| south-conn-mgr |

<get-jps-statistics>

Usage

```
<rpc>  
  <get-jps-statistics>  
  </get-jps-statistics>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display JPS statistics, including information about the server process and the current state of the JPS.

Required Privilege Level

view

Output Tag

[admin](#)

<get-jps-statistics-am>

Usage

```
<rpc>  
  <get-jps-statistics-am>  
  </get-jps-statistics-am>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display statistics for the application manager-to-policy server interface.

Required Privilege Level

view

Output Tag

[north](#)

<get-jps-statistics-am-connections>

Usage

```
<rpc>  
  <get-jps-statistics-am-connections>  
    <ip-address> ip-address </ip-address>  
  </get-jps-statistics-am-connections>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display statistics for JPS application manager connections.

Contents

<ip-address>— (Optional) IP address for the application manager.

Value— All or part of the IP address. If the IP address filter is not specified, all application managers are selected.

Default— No value

Required Privilege Level

view

Output Tag

[jps-conns](#)

<get-jps-statistics-cmts>

Usage

```
<rpc>  
  <get-jps-statistics-cmts>  
  </get-jps-statistics-cmts>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display JPS statistics for the policy server-to-CMTS interface.

Required Privilege Level

view

Output Tag

[south-conn-mgr](#)

<get-jps-statistics-cmts-connections>

Usage

```
<rpc>  
  <get-jps-statistics-cmts-connections>  
    <ip-address> ip-address </ip-address>  
  </get-jps-statistics-cmts-connections>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display statistics for JPS CMTS connections.

Contents

<ip-address>— (Optional) IP address for the CMTS device.

Value— All or part of the IP address. If the IP address filter is not specified, all CMTS devices are selected.

Default— No value

Required Privilege Level

view

Output Tag

[jps-conns](#)

<get-jps-statistics-cmts-locator>

Usage

```
<rpc>  
  <get-jps-statistics-cmts-locator>  
  </get-jps-statistics-cmts-locator>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display statistics for the CMTS locator.

Required Privilege Level

view

Output Tag

[pep-locator-nic](#)

<get-jps-statistics-message-handler>

Usage

```
<rpc>  
  <get-jps-statistics-message-handler>  
  </get-jps-statistics-message-handler>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display statistics for the JPS message handler.

Required Privilege Level

view

Output Tag

[msg-handler](#)

<get-jps-statistics-message-handler-message-flow>

Usage

```
<rpc>  
  <get-jps-statistics-message-handler-message-flow>  
    <id> id </id>  
  </get-jps-statistics-message-handler-message-flow>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display statistics for JPS message flows.

Contents

<id>— (Optional) Identifier for message flow.

Value— All or part of the message flow ID. If the message flow ID filter is not specified, all message flows are selected.

Default— No value

Required Privilege Level

view

Output Tag

[msg-flows](#)

<get-jps-statistics-process>

Usage

```
<rpc>  
  <get-jps-statistics-process>  
  </get-jps-statistics-process>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display information about the JPS server process.

Required Privilege Level

view

Output Tag

[admin](#)

<get-jps-statistics-rks>

Usage

```
<rpc>  
  <get-jps-statistics-rks>  
  </get-jps-statistics-rks>  
</rpc>
```

Release Information

Command introduced in SRC Release 1.0.0

Description

Display JPS statistics for the policy server-to-RKS interface.

Required Privilege Level

view

Output Tag

[radius-plugin](#)

<admin>

Usage

```
<admin xmlns="http://xml.juniper.net/sdx/admin">  
  <jps-server-process xmlns="http://xml.juniper.net/sdx/jps-server-process"> ... </jps-server-process>  
  <msg-handler xmlns="http://xml.juniper.net/sdx/msg-handler"> ... </msg-handler>  
  <north xmlns="http://xml.juniper.net/sdx/north"> ... </north>  
  <pep-locator-nic xmlns="http://xml.juniper.net/sdx/pep-locator-nic"> ... </pep-locator-nic>  
  <radius-plugin xmlns="http://xml.juniper.net/sdx/radius-plugin"> ... </radius-plugin>  
  <south-conn-mgr xmlns="http://xml.juniper.net/sdx/south-conn-mgr"> ... </south-conn-mgr>  
</admin>
```

Description

JPS Statistics

Contents

<jps-server-process>

[jps-server-process](#)

<msg-handler>

[msg-handler](#)

<north>

[north](#)

<pep-locator-nic>

[pep-locator-nic](#)

<radius-plugin>

[radius-plugin](#)

<south-conn-mgr>

[south-conn-mgr](#)

Style

detail

<jps-server-process>
<msg-handler>
<north>
<pep-locator-nic>
<radius-plugin>
<south-conn-mgr>

<jps-conns>

Usage

```
<jps-conns xmlns="http://xml.juniper.net/sdx/jps-conns">  
  <north-conn-handler xmlns="http://xml.juniper.net/sdx/north-conn-handler"> ... </north-conn-handler>  
  <south-conn-handler xmlns="http://xml.juniper.net/sdx/south-conn-handler"> ... </south-conn-handler>  
</jps-conns>
```

Contents

<north-conn-handler>

Multiple tag: can occur zero or more times.

[north-conn-handler](#)

<south-conn-handler>

Multiple tag: can occur zero or more times.

[south-conn-handler](#)

Style

detail

<north-conn-handler>

<south-conn-handler>

<jps-server-process>

Usage

```
<jps-server-process xmlns="http://xml.juniper.net/sdx/jps-server-process">
  <heap-limit> heap-limit </heap-limit>
  <heap-used> heap-used </heap-used>
  <thread> thread </thread>
  <up-since> up-since </up-since>
  <up-time> up-time </up-time>
</jps-server-process>
```

Description

JPS Server Process Statistics

Contents

<heap-limit> —Heap limit(byte)

Value—Integer in the range -9223372036854775808–9223372036854775807

<heap-used> —Heap used(byte)

Value—Text

<thread> —JPS server thread(s)

Value—Integer in the range -2147483648–2147483647

<up-since> —JPS server up since

Value—Text

<up-time> —JPS server up time(seconds)

Value—Integer in the range -2147483648–2147483647

Style

detail

```
<heap-limit>
<heap-used>
```

<thread>
<up-since>
<up-time>

<msg-flow>

Usage

```
<msg-flow xmlns="http://xml.juniper.net/sdx/msg-flow">
  <avg-latency> avg-latency </avg-latency>
  <avg-throughput> avg-throughput </avg-throughput>
  <creation-time> creation-time </creation-time>
  <id> id </id>
  <msg-drop> msg-drop </msg-drop>
  <msg-fwd> msg-fwd </msg-fwd>
  <msg-rcvd> msg-rcvd </msg-rcvd>
  <msgflow-size> msgflow-size </msgflow-size>
  <up-time> up-time </up-time>
</msg-flow>
```

Description

JPS Message Flow

Contents

<avg-latency> —Average non-decoding time in JPS (last 5000 messages, ms)

Value—Integer in the range -2147483648–2147483647

<avg-throughput> —Throughput (last 60s, msgs/s)

Value—Integer in the range -2147483648–2147483647

<creation-time> —Creation time

Value—Text

<id> —Flow id

Value—Text

<msg-drop> —Message dropped

Value—Integer in the range -2147483648–2147483647

<msg-fwd> —Message forwarded

Value—Integer in the range -2147483648–2147483647

<msg-rcvd> —Message received

Value—Integer in the range -2147483648–2147483647

<msgflow-size> —Message flow size

Value—Integer in the range -2147483648–2147483647

<up-time> —Up time (s)

Value—Integer in the range -9223372036854775808–9223372036854775807

Style

detail

<avg-latency>
<avg-throughput>
<creation-time>
<id>
<msg-drop>
<msg-fwd>
<msg-rcvd>
<msgflow-size>
<up-time>

<msg-flows>

Usage

```
<msg-flows xmlns="http://xml.juniper.net/sdx/msg-flows">  
  <msg-flow xmlns="http://xml.juniper.net/sdx/msg-flow"> ... </msg-flow>  
</msg-flows>
```

Contents

<msg-flow>

Multiple tag: can occur zero or more times.

[msg-flow](#)

Style

detail

<msg-flow>

<msg-handler>

Usage

```
<msg-handler xmlns="http://xml.juniper.net/sdx/msg-handler">
  <avg-latency> avg-latency </avg-latency>
  <avg-throughput> avg-throughput </avg-throughput>
  <msg-drop> msg-drop </msg-drop>
  <msg-forward> msg-forward </msg-forward>
  <msg-rcvd> msg-rcvd </msg-rcvd>
</msg-handler>
```

Description

JPS Message Handler

Contents

<avg-latency> —Average non-decoding time in JPS (last 5000 messages, ms)

Value—Integer in the range -2147483648–2147483647

<avg-throughput> —Throughput (last 60s, msgs/s)

Value—Integer in the range -2147483648–2147483647

<msg-drop> —Message dropped

Value—Integer in the range -2147483648–2147483647

<msg-forward> —Message handled

Value—Integer in the range -2147483648–2147483647

<msg-rcvd> —Messages received

Value—Integer in the range -2147483648–2147483647

Style

detail

```
<avg-latency>
<avg-throughput>
```

<msg-drop>
<msg-forward>
<msg-rcvd>

<north>

Usage

```
<north xmlns="http://xml.juniper.net/sdx/north">  
  <connection-closed> connection-closed </connection-closed>  
  <connection-opened> connection-opened </connection-opened>  
</north>
```

Description

JPS AM Interface

Contents

<connection-closed> —Connections closed

Value—Integer in the range -2147483648–2147483647

<connection-opened> —Connections opened

Value—Integer in the range -2147483648–2147483647

Style

detail

```
<connection-closed>  
<connection-opened>
```

<north-conn-handler>

Usage

```
<north-conn-handler xmlns="http://xml.juniper.net/sdx/north-conn-handler">
  <conn-ip> conn-ip </conn-ip>
  <creation-time> creation-time </creation-time>
  <decs-discarded> decs-discarded </decs-discarded>
  <decs-invalid> decs-invalid </decs-invalid>
  <decs-rcvd> decs-rcvd </decs-rcvd>
  <decs-rejected> decs-rejected </decs-rejected>
  <rpts-sent> rpts-sent </rpts-sent>
  <sscs-sent> sscs-sent </sscs-sent>
  <ssqs-rcvd> ssqs-rcvd </ssqs-rcvd>
  <up-time> up-time </up-time>
</north-conn-handler>
```

Description

JPS AM interface current connection

Contents

<conn-ip> —AM connection IP

Value—Text

<creation-time> —Creation time

Value—Text

<decs-discarded> —DECs discarded by PS

Value—Integer in the range -2147483648–2147483647

<decs-invalid> —Invalid DEC received

Value—Integer in the range -2147483648–2147483647

<decs-rcvd> —DECs received

Value—Integer in the range -2147483648–2147483647

<decs-rejected> —DECs rejected by PS

Value—Integer in the range -2147483648–2147483647

<rpts-sent> —RPTs sent

Value—Integer in the range -2147483648–2147483647

<sscs-sent> —SSCs sent

Value—Integer in the range -2147483648–2147483647

<ssqs-rcvd> —SSQs received

Value—Integer in the range -2147483648–2147483647

<up-time> —Up time (s)

Value—Integer in the range -9223372036854775808–9223372036854775807

Style

detail

<conn-ip>
<creation-time>
<decs-discarded>
<decs-invalid>
<decs-rcvd>
<decs-rejected>
<sscs-sent>
<ssqs-rcvd>
<up-time>

<pep-locator-nic>

Usage

```
<pep-locator-nic xmlns="http://xml.juniper.net/sdx/pep-locator-nic">
  <avg-lookup-time> avg-lookup-time </avg-lookup-time>
  <max-lookup-time> max-lookup-time </max-lookup-time>
  <min-lookup-time> min-lookup-time </min-lookup-time>
  <num-lookup> num-lookup </num-lookup>
  <num-lookup-error> num-lookup-error </num-lookup-error>
  <num-nomatch> num-nomatch </num-nomatch>
</pep-locator-nic>
```

Description

JPS CMTS Locator

Contents

<avg-lookup-time> —Average lookup time (last 100 lookups, ms)

Value—Integer in the range -9223372036854775808–9223372036854775807

<max-lookup-time> —Maximum lookup time (ms)

Value—Integer in the range -9223372036854775808–9223372036854775807

<min-lookup-time> —Minimum lookup time (ms)

Value—Integer in the range -2147483648–2147483647

<num-lookup> —Number of lookups

Value—Integer in the range -2147483648–2147483647

<num-lookup-error> —Number of lookup errors

Value—Integer in the range -9223372036854775808–9223372036854775807

<num-nomatch> —Number of no-match lookups

Value—Integer in the range -2147483648–2147483647

Style

detail

<avg-lookup-time>
<max-lookup-time>
<min-lookup-time>
<num-lookup>
<num-lookup-error>
<num-nomatch>

<radius-plugin>

Usage

```
<radius-plugin xmlns="http://xml.juniper.net/sdx/radius-plugin">
  <egi-cache-size> egi-cache-size </egi-cache-size>
  <gate-del-ack-rcvd> gate-del-ack-rcvd </gate-del-ack-rcvd>
  <gate-del-err-rcvd> gate-del-err-rcvd </gate-del-err-rcvd>
  <gate-del-rcvd> gate-del-rcvd </gate-del-rcvd>
  <gate-info-ack-rcvd> gate-info-ack-rcvd </gate-info-ack-rcvd>
  <gate-info-ack-response-rcvd> gate-info-ack-response-rcvd </gate-info-ack-response-rcvd>
  <gate-info-err-rcvd> gate-info-err-rcvd </gate-info-err-rcvd>
  <gate-info-err-response-rcvd> gate-info-err-response-rcvd </gate-info-err-response-rcvd>
  <gate-info-rcvd> gate-info-rcvd </gate-info-rcvd>
  <gate-info-sent> gate-info-sent </gate-info-sent>
  <gate-rpt-state-close-egi-status-unknown> gate-rpt-state-close-egi-status-unknown </gate-rpt-state-close-egi-
status-unknown>
  <gate-rpt-state-close-rcvd> gate-rpt-state-close-rcvd </gate-rpt-state-close-rcvd>
  <gate-rpt-state-non-close-rcvd> gate-rpt-state-non-close-rcvd </gate-rpt-state-non-close-rcvd>
  <gate-set-ack-rcvd> gate-set-ack-rcvd </gate-set-ack-rcvd>
  <gate-set-err-rcvd> gate-set-err-rcvd </gate-set-err-rcvd>
  <held-decs-size> held-decs-size </held-decs-size>
  <initial-gate-set-rcvd> initial-gate-set-rcvd </initial-gate-set-rcvd>
  <non-initial-gate-set-rcvd> non-initial-gate-set-rcvd </non-initial-gate-set-rcvd>
  <pending-rks-events-size> pending-rks-events-size </pending-rks-events-size>
  <pl-del-evt-sent> pl-del-evt-sent </pl-del-evt-sent>
  <pl-req-evt-sent> pl-req-evt-sent </pl-req-evt-sent>
  <pl-update-evt-sent> pl-update-evt-sent </pl-update-evt-sent>
  <synch-complete-err-rcvd> synch-complete-err-rcvd </synch-complete-err-rcvd>
  <synch-complete-rcvd> synch-complete-rcvd </synch-complete-rcvd>
  <synch-req-rcvd> synch-req-rcvd </synch-req-rcvd>
  <synch-rpt-rcvd> synch-rpt-rcvd </synch-rpt-rcvd>
  <time-change-evt-sent> time-change-evt-sent </time-change-evt-sent>
</radius-plugin>
```

Description

JPS RKS

Contents

<egi-cache-size> —EGI cache size

Value—Integer in the range -2147483648–2147483647

<gate-del-ack-rcvd> —Gate-Del-Acks observed

Value—Integer in the range -2147483648–2147483647

<gate-del-err-rcvd> —Gate-Del-Errs observed

Value—Integer in the range -2147483648–2147483647

<gate-del-rcvd> —Gate-Dels observed

Value—Integer in the range -2147483648–2147483647

<gate-info-ack-rcvd> —Gate-Info-Acks observed

Value—Integer in the range -2147483648–2147483647

<gate-info-ack-response-rcvd> —Gate-Info-Acks received

Value—Integer in the range -2147483648–2147483647

<gate-info-err-rcvd> —Gate-Info-Errs observed

Value—Integer in the range -2147483648–2147483647

<gate-info-err-response-rcvd> —Gate-Info-Errs received

Value—Integer in the range -2147483648–2147483647

<gate-info-rcvd> —Gate-Infos observed

Value—Integer in the range -2147483648–2147483647

<gate-info-sent> —Gate-infos sent

Value—Integer in the range -2147483648–2147483647

<gate-rpt-state-close-egi-status-unknown> —Gate-Report-State-Close-EGI-Status-Unknown observed

Value—Integer in the range -2147483648–2147483647

<gate-rpt-state-close-rcvd> —Gate-Report-State-Close observed

Value—Integer in the range -2147483648–2147483647

<gate-rpt-state-non-close-rcvd> —Gate-Report-State-Non-Close observed

Value—Integer in the range -2147483648–2147483647

<gate-set-ack-rcvd> —Gate-Set-Acks observed

Value—Integer in the range -2147483648–2147483647

<gate-set-err-rcvd> —Gate-Set-Errs observed

Value—Integer in the range -2147483648–2147483647

<held-decs-size> —Held DECs

Value—Integer in the range -2147483648–2147483647

<initial-gate-set-rcvd> —Initial-Gate-Set observed

Value—Integer in the range -2147483648–2147483647

<non-initial-gate-set-rcvd> —Non-Initial-Gate-Set observed

Value—Integer in the range -2147483648–2147483647

<pending-rks-events-size> —Pending RKS events

Value—Integer in the range -2147483648–2147483647

<pl-del-evt-sent> —Policy-Delete events sent

Value—Integer in the range -2147483648–2147483647

<pl-req-evt-sent> —Policy-Request events sent

Value—Integer in the range -2147483648–2147483647

<pl-update-evt-sent> —Policy-Update events sent

Value—Integer in the range -2147483648–2147483647

<synch-complete-err-rcvd> —Synch-Completes (error) observed

Value—Integer in the range -2147483648–2147483647

<synch-complete-rcvd> —Synch-Completes (no error) observed

Value—Integer in the range -2147483648–2147483647

<synch-req-rcvd> —Synch-Requests observed

Value—Integer in the range -2147483648–2147483647

<synch-rpt-rcvd> —Synch-Reports observed

Value—Integer in the range -2147483648–2147483647

<time-change-evt-sent> —Time-Change events broadcast

Value—Integer in the range -2147483648–2147483647

Style

detail

<egi-cache-size>
 <gate-del-ack-rcvd>
 <gate-del-err-rcvd>
 <gate-del-rcvd>
 <gate-info-ack-rcvd>
 <gate-info-ack-response-rcvd>
 <gate-info-err-rcvd>
 <gate-info-err-response-rcvd>
 <gate-info-rcvd>
 <gate-info-sent>
 <gate-rpt-state-close-egi-status-unknown>
 <gate-rpt-state-close-rcvd>
 <gate-rpt-state-non-close-rcvd>
 <gate-set-ack-rcvd>
 <gate-set-err-rcvd>
 <held-decs-size>
 <initial-gate-set-rcvd>
 <non-initial-gate-set-rcvd>
 <pending-rks-events-size>
 <pl-del-evt-sent>
 <pl-req-evt-sent>
 <pl-update-evt-sent>
 <synch-req-rcvd>
 <synch-rpt-rcvd>
 <time-change-evt-sent>

<south-conn-handler>

Usage

```
<south-conn-handler xmlns="http://xml.juniper.net/sdx/south-conn-handler">
  <conn-ip> conn-ip </conn-ip>
  <creation-time> creation-time </creation-time>
  <dec-latency> dec-latency </dec-latency>
  <dec-timedout> dec-timedout </dec-timedout>
  <decs-sent> decs-sent </decs-sent>
  <invalid-rpts-rcvd> invalid-rpts-rcvd </invalid-rpts-rcvd>
  <rpts-discarded> rpts-discarded </rpts-discarded>
  <rpts-rcvd> rpts-rcvd </rpts-rcvd>
  <sscs-rcvd> sscs-rcvd </sscs-rcvd>
  <ssqs-sent> ssqs-sent </ssqs-sent>
  <up-time> up-time </up-time>
</south-conn-handler>
```

Description

JPS CMTS Connection

Contents

<conn-ip> —CMTS connection IP

Value—Text

<creation-time> —Creation time

Value—Text

<dec-latency> —Avg DEC-RPT time (last 5000 DECs, ms)

Value—Integer in the range -9223372036854775808–9223372036854775807

<dec-timedout> —Timed out DECs

Value—Integer in the range -2147483648–2147483647

<decs-sent> —DECs sent

Value—Integer in the range -2147483648–2147483647

<invalid-rpts-rcvd> —Invalid RPTs received

Value—Integer in the range -2147483648–2147483647

<rpts-discarded> —RPTs discarded by PS

Value—Integer in the range -2147483648–2147483647

<rpts-rcvd> —RPTs received

Value—Integer in the range -2147483648–2147483647

<sscs-rcvd> —SSCs received

Value—Integer in the range -2147483648–2147483647

<ssqs-sent> —SSQs sent

Value—Integer in the range -2147483648–2147483647

<up-time> —Up time (s)

Value—Integer in the range -9223372036854775808–9223372036854775807

Style

detail

<conn-ip>
<creation-time>
<dec-latency>
<dec-timedout>
<decs-sent>
<invalid-rpts-rcvd>
<rpts-discarded>
<rpts-rcvd>
<sscs-rcvd>
<ssqs-sent>
<up-time>

<south-conn-mgr>

Usage

```
<south-conn-mgr xmlns="http://xml.juniper.net/sdx/south-conn-mgr">
  <conns-closed> conns-closed </conns-closed>
  <conns-opened> conns-opened </conns-opened>
  <sync-broadcast> sync-broadcast </sync-broadcast>
  <sync-latency> sync-latency </sync-latency>
  <sync-timedout> sync-timedout </sync-timedout>
</south-conn-mgr>
```

Description

JPS CMTS Interface

Contents

<conns-closed> —Connections closed

Value—Integer in the range -2147483648–2147483647

<conns-opened> —Connections opened

Value—Integer in the range -2147483648–2147483647

<sync-broadcast> —Sync-Request/SSQ broadcasts

Value—Integer in the range -2147483648–2147483647

<sync-latency> —Avg sync time (last 10 syncs, ms)

Value—Integer in the range -9223372036854775808–9223372036854775807

<sync-timedout> —Timed out syncs

Value—Integer in the range -2147483648–2147483647

Style

detail

```
<conns-closed>
<conns-opened>
```

<sync-broadcast>
<sync-latency>
<sync-timedout>

Application Server Operational Tag Elements

[Table 47](#) lists the SRC CLI operational mode commands that have corresponding SRC XML request tag elements in the current version of the SRC software, and maps each command to its request tag element. CLI configuration commands and statements are listed in alphabetical order.

For a list of mappings organized alphabetically by request tag element name, see [Table 48](#). For more information about CLI commands, see the *SRC PE CLI Command Reference*.

Table 47: Mapping of Application Server CLI Commands to Operational Tag Elements

| CLI Command | Request Tag Element |
|---|-----------------------------------|
| show application-server cluster history | get-jboss-cluster-history |
| show application-server cluster status | get-jboss-cluster-info |
| show application server statistics | get-application-server-statistics |

[Table 48](#) maps SRC XML operational request tag elements to SRC CLI commands. Tag elements are listed in alphabetical order.

Table 48: Mapping of Application Server Operational Tag Elements to CLI Commands

| Request Tag Element | CLI Command |
|---|---|
| get-application-server-statistics | show application server statistics |
| get-jboss-cluster-history | show application-server cluster history |
| get-jboss-cluster-info | show application-server cluster status |

<get-application-server-statistics>

Usage

```
<rpc>  
  <get-application-server-statistics>  
  </get-application-server-statistics>  
</rpc>
```

Release Information

Command introduced in SRC Release 3.0.0

Description

Display the current state of the application server.

Required Privilege Level

view

Output Tag

[jboss-admin](#)

<get-jboss-cluster-history>

Usage

```
<rpc>  
  <get-jboss-cluster-history>  
    <cluster-name> cluster-name </cluster-name>  
  </get-jboss-cluster-history>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.2.0

Description

Display the history of the application-server cluster.

Contents

<cluster-name>— Name of the local application-server cluster.

Value— Cluster name

Required Privilege Level

view

Output Tag

[jboss-cluster-history](#)

<get-jboss-cluster-info>

Usage

```
<rpc>
  <get-jboss-cluster-info>
    <cluster-name> cluster-name </cluster-name>
  </get-jboss-cluster-info>
</rpc>
```

Release Information

Command introduced in SRC Release 4.2.0

Description

Display the status of the application-server cluster.

Contents

<cluster-name>— Name of the local application-server cluster.

Value— Cluster name

Required Privilege Level

view

Output Tag

[jboss-cluster](#)

Volume Tracking Application (VTA)

Operational Tag Elements

[Table 49](#) lists the SRC CLI operational mode commands that have corresponding SRC XML request tag elements in the current version of the SRC software, and maps each command to its request tag element. CLI commands are listed in alphabetical order.

For a list of mappings organized alphabetically by request tag element name, see [Table 50](#). For more information about CLI commands, see the *SRC PE CLI Command Reference*.

Table 49: Mapping of Volume Tracking Application (VTA) CLI Commands to Operational Tag Elements

| CLI Command | Request Tag Element |
|------------------------------------|------------------------------------|
| request vta delete balance-changes | request-vta-delete-balance-changes |
| request vta delete event queue | request-vta-delete-event-queue |
| request vta delete sessions | request-vta-delete-sessions |
| request vta delete subscriber | request-vta-delete-subscriber |
| request vta terminate sessions | request-vta-terminate-sessions |
| request vta update accounts | request-vta-update-accounts |
| show vta accounts | get-vta-accounts |
| show vta balance changes | get-vta-balance-changes |
| show vta sessions | get-vta-sessions |
| show vta statistics performance | get-vta-statistics-performance |
| show vta statistics soap api | get-vta-statistics-soap-api |
| test vta events | test-vta-events |

[Table 50](#) maps SRC XML operational request tag elements to SRC CLI commands. Tag elements are listed in alphabetical order.

Table 50: Mapping of Volume Tracking Application Operational Tag Elements to CLI Commands

| Request Tag Element | CLI Command |
|--|---------------------------------|
| get-vta-accounts | show vta accounts |
| get-vta-balance-changes | show vta balance changes |
| get-vta-sessions | show vta sessions |
| get-vta-statistics-performance | show vta statistics performance |
| get-vta-statistics-soap-api | show vta statistics soap api |

| | |
|--|------------------------------------|
| request-vta-delete-balance-changes | request vta delete balance changes |
| request-vta-delete-event-queue | request vta delete event queue |
| request-vta-delete-sessions | request vta delete sessions |
| request-vta-delete-subscriber | request vta delete subscriber |
| request-vta-terminate-sessions | request vta terminate sessions |
| request-vta-update-accounts | request vta update accounts |
| test-vta-events | test vta events |

<get-vta-accounts>

Usage

```
<rpc>
  <get-vta-accounts>
    <group> group </group>
    <subscriber-id> subscriber-id </subscriber-id>
    <account-name> account-name </account-name>
  </get-vta-accounts>
</rpc>
```

Release Information

Command introduced in SRC Release 4.2.0

Description

Display subscriber accounts.

Contents

<group>— Name of VTA group.

Value—Text

<subscriber-id>— ID used by the VTA to identify the subscriber.

Value—Text

<account-name>— (Optional) Name of VTA account. Display only the VTA accounts with this name.

Value—Text

Required Privilege Level

view

Output Tag

[accounts](#)

<get-vta-balance-changes>

Usage

```
<rpc>
  <get-vta-balance-changes>
    <group> group </group>
    <subscriber-id> subscriber-id </subscriber-id>
    <account-name> account-name </account-name>
    <from> from </from>
    <to> to </to>
  </get-vta-balance-changes>
</rpc>
```

Release Information

Command introduced in SRC Release 4.2.0

Description

Display subscriber accounts including balance changes.

Contents

<group>— Name of VTA group.

Value—Text

<subscriber-id>— ID used by the VTA to identify the subscriber.

Value—Text

<account-name>— (Optional) Name of the VTA account. Display only the VTA account with this name.

Value—Text

<from>— (Optional) From date. Display only changes on or after this date. Use format YYYY-MM-DD. Defaults to 6 days ago.

Value—Text

<to>— (Optional) To date. Display only changes on or before this date. Use format YYYY-MM-DD.

Value—Text

Required Privilege Level

view

Output Tag

[accounts](#)

<get-vta-sessions>

Usage

```
<rpc>
  <get-vta-sessions>
    <group> group </group>
    <subscriber-id> subscriber-id </subscriber-id>
    <from> from </from>
    <to> to </to>
    <style> style-choice </style>
  </get-vta-sessions>
</rpc>
```

Release Information

Command introduced in SRC Release 4.2.0

Description

Display information about subscriber sessions.

Contents

<group>— Name of VTA group.

Value—Text

<subscriber-id>— ID used by the VTA to identify the subscriber.

Value—Text

<from>— (Optional) From date. Display only changes on or after this date. Use format YYYY-MM-DD. Defaults to 6 days ago.

Value—Text

<to>— (Optional) To date. Display only changes on or before this date. Use format YYYY-MM-DD.

Value—Text

<style>— (Optional) Output style

Value

- `terse`— Subscriber ID, Session ID, Status, Up and Down bytes.

Default— Brief

Required Privilege Level

view

Output Tag

[sessions](#)

<get-vta-statistics-performance>

Usage

```
<rpc>  
  <get-vta-statistics-performance>  
    <group> group </group>  
  </get-vta-statistics-performance>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.2.0

Description

Display VTA performance statistics.

Contents

<group>— Name of VTA group.

Value—Text

Required Privilege Level

view

Output Tag

[performance-stats](#)

<get-vta-statistics-soap-api>

Usage

```
<rpc>  
  <get-vta-statistics-soap-api>  
    <group> group </group>  
  </get-vta-statistics-soap-api>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.2.0

Description

Display VTA SOAP API statistics.

Contents

<group>— Name of VTA group.

Value—Text

Required Privilege Level

view

Output Tag

[soap-api-stats](#)

<request-vta-delete-balance-changes>

Usage

```
<rpc>
  <request-vta-delete-balance-changes>
    <group> group </group>
    <before> before </before>
  </request-vta-delete-balance-changes>
</rpc>
```

Release Information

Command introduced in SRC Release 4.2.0

Description

Delete balance change history.

Contents

<group>— Name of VTA group.

Value—Text

<before>— Delete balance changes with a timestamp earlier than this date (YYYY-MM-DD).

Value—Text

Required Privilege Level

maintenance

<request-vta-delete-event-queue>

Usage

```
<rpc>  
  <request-vta-delete-event-queue>  
    <group> group </group>  
  </request-vta-delete-event-queue>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.2.0

Description

Delete the VTA's event queue from the local application server

Contents

<group>— Name of VTA group

Value—Text

Required Privilege Level

maintenance

<request-vta-delete-sessions>

Usage

```
<rpc>
  <request-vta-delete-sessions>
    <group> group </group>
    <before> before </before>
    <force-delete/>
  </request-vta-delete-sessions>
</rpc>
```

Release Information

Command introduced in SRC Release 4.2.0

Description

Delete session history.

Contents

<group>— Name of VTA group.

Value—Text

<before>— Delete all stopped sessions, and all closed sessions that are subsequently stopped, if they have a last update time earlier than this date (YYYY-MM-DD).

Value—Text

<force-delete>— (Optional) Delete all the specified sessions, even if it makes the resulting data inconsistent.

Default—false

Required Privilege Level

maintenance

<request-vta-delete-subscriber>

Usage

```
<rpc>
  <request-vta-delete-subscriber>
    <group> group </group>
    <subscriber-id> subscriber-id </subscriber-id>
    <force-delete/>
  </request-vta-delete-subscriber>
</rpc>
```

Release Information

Command introduced in SRC Release 4.2.0

Description

Delete subscriber accounts and history.

Contents

<group>— Name of VTA group.

Value—Text

<subscriber-id>— ID used by the VTA to identify the subscriber.

Value—Text

<force-delete>— (Optional) Delete the specified subscriber's accounts and sessions, even if they are not marked as closed and stopped.

Default—false

Required Privilege Level

maintenance

<request-vta-terminate-sessions>

Usage

```
<rpc>
  <request-vta-terminate-sessions>
    <group> group </group>
    <subscriber-id> subscriber-id </subscriber-id>
  </request-vta-terminate-sessions>
</rpc>
```

Release Information

Command introduced in SRC Release 4.2.0

Description

Generate a terminate sessions event.

Contents

<group>— Name of VTA group.

Value—Text

<subscriber-id>— Terminate sessions of this subscriber.

Value—Text

Required Privilege Level

maintenance

<request-vta-update-accounts>

Usage

```
<rpc>
  <request-vta-update-accounts>
    <group> group </group>
    <subscriber-id> subscriber-id </subscriber-id>
    <account-name> account-name </account-name>
    <account-status> account-status </account-status>
    <new-status> new-status </new-status>
    <new-balance> new-balance </new-balance>
    <balance-change> balance-change </balance-change>
    <balance-change-description> balance-change-description </balance-change-
description>
    <terminate-sessions/>
  </request-vta-update-accounts>
</rpc>
```

Release Information

Command introduced in SRC Release 4.2.0

Description

Update subscriber accounts.

Contents

<group>— Name of VTA group.

Value—Text

<subscriber-id>— (Optional) Subscriber ID to modify. Update only VTA accounts with this subscriber ID.

Value—Text

<account-name>— VTA account name to modify. Update only VTA accounts with this name.

Value—Text

<account-status>— (Optional) Account status, update only VTA accounts with this status.

Value—Text

`<new-status>`— (Optional) Set account status to this new value.

Value—Text

`<new-balance>`— (Optional) Set account balance to this value.

Value—Text

`<balance-change>`— (Optional) Change account balance by this amount.

Value—Text

`<balance-change-description>`— (Optional) Description of the balance change.

Value—Text

`<terminate-sessions>`— (Optional) Generate a Callback:TERMINATESESSION event for each subscriber.

Required Privilege Level

maintenance

<test-vta-events>

Usage

```
<rpc>  
  <test-vta-events>  
    <subscriber-id> subscriber-id </subscriber-id>  
    <event-name> event-name </event-name>  
  </test-vta-events>  
</rpc>
```

Release Information

Command introduced in SRC Release 4.2.0

Description

Simulate VTA events for a subscriber.

Contents

<subscriber-id>— ID used by the VTA to identify the subscriber.

Value—Text

<event-name>— Name of a test event object defined under shared vta test-events.

Value—Text

Required Privilege Level

view