



**SRC-PE Software**

## **SRC XML API Operational Reference**

*Release 3.0.x*

**Juniper Networks, Inc.**

1194 North Mathilda Avenue  
Sunnyvale, CA 94089

USA

408-745-2000

**[www.juniper.net](http://www.juniper.net)**

This product includes the following software: Fontconfig, X FreeType library, X Render extension headers, and X Render extension library, copyright © 2001, 2003 Keith Packard.

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of Keith Packard not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission. Keith Packard makes no representations about the suitability of this software for any purpose. It is provided "as is" without express or implied warranty.

KEITH PACKARD DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL KEITH PACKARD BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Juniper Networks, the Juniper Networks logo, JUNOS, NetScreen, and ScreenOS are registered trademarks of Juniper Networks, Inc. in the United States and other countries. JUNOS is a trademark 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.

Products made or sold by Juniper Networks or components thereof might be covered by one or more of the following patents that are owned by or licensed to Juniper Networks: U.S. Patent Nos. 5,473,599, 5,905,725, 5,909,440, 6,192,051, 6,333,650, 6,359,479, 6,406,312, 6,429,706, 6,459,579, 6,493,347, 6,538,518, 6,538,899, 6,552,918, 6,567,902, 6,578,186, and 6,590,785.

*SRC-PE Software SRC XML API Operational Reference*  
Release 3.0.x  
Copyright © 2008, Juniper Networks, Inc.  
All rights reserved. Printed in USA.

Writing: Linda Creed, Justine Kangas, Betty Lew  
Editing: Fran Mues  
Cover Design: Edmonds Design

Revision History  
15 August 2008—Revision 1

The information in this document is current as of the date listed in the revision history.

## YEAR 2000 NOTICE

Juniper Networks hardware and software products are Year 2000 compliant. The JUNOS software 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](http://www.juniper.net/techpubs).

## END USER LICENSE AGREEMENT

READ THIS END USER LICENSE AGREEMENT ("AGREEMENT") BEFORE DOWNLOADING, INSTALLING, OR USING THE SOFTWARE. BY DOWNLOADING, INSTALLING, OR USING THE SOFTWARE OR OTHERWISE EXPRESSING YOUR AGREEMENT TO THE TERMS CONTAINED HEREIN, YOU (AS CUSTOMER OR IF YOU ARE NOT THE CUSTOMER, AS A REPRESENTATIVE/AGENT AUTHORIZED TO BIND THE CUSTOMER) CONSENT TO BE BOUND BY THIS AGREEMENT. IF YOU DO NOT OR CANNOT AGREE TO THE TERMS CONTAINED HEREIN, THEN (A) DO NOT DOWNLOAD, INSTALL, OR USE THE SOFTWARE, AND (B) YOU MAY CONTACT JUNIPER NETWORKS REGARDING LICENSE TERMS.

**1. The Parties.** The parties to this Agreement are Juniper Networks, Inc. and its subsidiaries (collectively "Juniper"), and the person or organization that originally purchased from Juniper or an authorized Juniper reseller the applicable license(s) for use of the Software ("Customer") (collectively, the "Parties").

**2. The Software.** In this Agreement, "Software" means the program modules and features of the Juniper or Juniper-supplied software, and updates and releases of such software, for which Customer has paid the applicable license or support fees to Juniper or an authorized Juniper reseller. "Embedded Software" means Software which Juniper has embedded in the Juniper equipment.

**3. License Grant.** Subject to payment of the applicable fees and the limitations and restrictions set forth herein, Juniper grants to Customer a non-exclusive and non-transferable license, without right to sublicense, to use the Software, in executable form only, subject to the following use restrictions:

- a. Customer shall use the Embedded Software solely as embedded in, and for execution on, Juniper equipment originally purchased by Customer from Juniper or an authorized Juniper reseller.
- b. Customer shall use the Software on a single hardware chassis having a single processing unit, or as many chassis or processing units for which Customer has paid the applicable license fees; provided, however, with respect to the Steel-Belted Radius or Odyssey Access Client software only, Customer shall use such Software on a single computer containing a single physical random access memory space and containing any number of processors. Use of the Steel-Belted Radius software on multiple computers requires multiple licenses, regardless of whether such computers are physically contained on a single chassis.

- c. Product purchase documents, paper or electronic user documentation, and/or the particular licenses purchased by Customer may specify limits to Customer's use of the Software. Such limits may restrict use to a maximum number of seats, registered endpoints, concurrent users, sessions, calls, connections, subscribers, clusters, nodes, realms, devices, links, ports or transactions, or require the purchase of separate licenses to use particular features, functionalities, services, applications, operations, or capabilities, or provide throughput, performance, configuration, bandwidth, interface, processing, temporal, or geographical limits. In addition, such limits may restrict the use of the Software to managing certain kinds of networks or require the Software to be used only in conjunction with other specific Software. Customer's use of the Software shall be subject to all such limitations and purchase of all applicable licenses.
- d. For any trial copy of the Software, Customer's right to use the Software expires 30 days after download, installation or use of the Software. Customer may operate the Software after the 30-day trial period only if Customer pays for a license to do so. Customer may not extend or create an additional trial period by re-installing the Software after the 30-day trial period.
- e. The Global Enterprise Edition of the Steel-Belted Radius software may be used by Customer only to manage access to Customer's enterprise network. Specifically, service provider customers are expressly prohibited from using the Global Enterprise Edition of the Steel-Belted Radius software to support any commercial network access services.

The foregoing license is not transferable or assignable by Customer. No license is granted herein to any user who did not originally purchase the applicable license(s) for the Software from Juniper or an authorized Juniper reseller.

**4. Use Prohibitions.** Notwithstanding the foregoing, the license provided herein does not permit the Customer to, and Customer agrees not to and shall not: (a) modify, unbundle, reverse engineer, or create derivative works based on the Software; (b) make unauthorized copies of the Software (except as necessary for backup purposes); (c) rent, sell, transfer, or grant any rights in and to any copy of the Software, in any form, to any third party; (d) remove any proprietary notices, labels, or marks on or in any copy of the Software or any product in which the Software is embedded; (e) distribute any copy of the Software to any third party, including as may be embedded in Juniper equipment sold in the secondhand market; (f) use any 'locked' or key-restricted feature, function, service, application, operation, or capability without first purchasing the applicable license(s) and obtaining a valid key from Juniper, even if such feature, function, service, application, operation, or capability is enabled without a key; (g) distribute any key for the Software provided by Juniper to any third party; (h) use the Software in any manner that extends or is broader than the uses purchased by Customer from Juniper or an authorized Juniper reseller; (i) use the Embedded Software on non-Juniper equipment; (j) use the Software (or make it available for use) on Juniper equipment that the Customer did not originally purchase from Juniper or an authorized Juniper reseller; (k) disclose the results of testing or benchmarking of the Software to any third party without the prior written consent of Juniper; or (l) use the Software in any manner other than as expressly provided herein.

**5. Audit.** Customer shall maintain accurate records as necessary to verify compliance with this Agreement. Upon request by Juniper, Customer shall furnish such records to Juniper and certify its compliance with this Agreement.

**6. Confidentiality.** The Parties agree that aspects of the Software and associated documentation are the confidential property of Juniper. As such, Customer shall exercise all reasonable commercial efforts to maintain the Software and associated documentation in confidence, which at a minimum includes restricting access to the Software to Customer employees and contractors having a need to use the Software for Customer's internal business purposes.

**7. Ownership.** Juniper and Juniper's licensors, respectively, retain ownership of all right, title, and interest (including copyright) in and to the Software, associated documentation, and all copies of the Software. Nothing in this Agreement constitutes a transfer or conveyance of any right, title, or interest in the Software or associated documentation, or a sale of the Software, associated documentation, or copies of the Software.

**8. Warranty, Limitation of Liability, Disclaimer of Warranty.** The warranty applicable to the Software shall be as set forth in the warranty statement that accompanies the Software (the "Warranty Statement"). Nothing in this Agreement shall give rise to any obligation to support the Software. Support services may be purchased separately. Any such support shall be governed by a separate, written support services agreement. TO THE MAXIMUM EXTENT PERMITTED BY LAW, JUNIPER SHALL NOT BE LIABLE FOR ANY LOST PROFITS, LOSS OF DATA, OR COSTS OR PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES, OR FOR ANY SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THIS AGREEMENT, THE SOFTWARE, OR ANY JUNIPER OR JUNIPER-SUPPLIED SOFTWARE. IN NO EVENT SHALL JUNIPER BE LIABLE FOR DAMAGES ARISING FROM UNAUTHORIZED OR IMPROPER USE OF ANY JUNIPER OR JUNIPER-SUPPLIED SOFTWARE. EXCEPT AS EXPRESSLY PROVIDED IN THE WARRANTY STATEMENT TO THE EXTENT PERMITTED BY LAW, JUNIPER DISCLAIMS ANY AND ALL WARRANTIES IN AND TO THE SOFTWARE (WHETHER EXPRESS, IMPLIED, STATUTORY, OR OTHERWISE), INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. IN NO EVENT DOES JUNIPER WARRANT THAT THE SOFTWARE, OR ANY EQUIPMENT OR NETWORK RUNNING THE SOFTWARE, WILL OPERATE WITHOUT ERROR OR INTERRUPTION, OR WILL BE FREE OF VULNERABILITY TO INTRUSION OR ATTACK. In no event shall Juniper's or its suppliers' or licensors' liability to Customer, whether in contract, tort (including negligence), breach of warranty, or otherwise, exceed the price paid by Customer for the Software that gave rise to the claim, or if the Software is embedded in another Juniper product, the price paid by Customer for such other product. Customer acknowledges and agrees that Juniper has set its prices and entered into this Agreement in reliance upon the disclaimers of warranty and the limitations of liability set forth herein, that the same reflect an allocation of risk between the Parties (including the risk that a contract remedy may fail of its essential purpose and cause consequential loss), and that the same form an essential basis of the bargain between the Parties.

**9. Termination.** Any breach of this Agreement or failure by Customer to pay any applicable fees due shall result in automatic termination of the license granted herein. Upon such termination, Customer shall destroy or return to Juniper all copies of the Software and related documentation in Customer's possession or control.

**10. Taxes.** All license fees for the Software are exclusive of taxes, withholdings, duties, or levies (collectively "Taxes"). Customer shall be responsible for paying Taxes arising from the purchase of the license, or importation or use of the Software.

**11. Export.** Customer agrees to comply with all applicable export laws and restrictions and regulations of any United States and any applicable foreign agency or authority, and not to export or re-export the Software or any direct product thereof in violation of any such restrictions, laws or regulations, or without all necessary approvals. Customer shall be liable for any such violations. The version of the Software supplied to Customer may contain encryption or other capabilities restricting Customer's ability to export the Software without an export license.

**12. Commercial Computer Software.** The Software is "commercial computer software" and is provided with restricted rights. Use, duplication, or disclosure by the United States government is subject to restrictions set forth in this Agreement and as provided in DFARS 227.7201 through 227.7202-4, FAR 12.212, FAR 27.405(b)(2), FAR 52.227-19, or FAR 52.227-14(ALT III) as applicable.

**13. Interface Information.** To the extent required by applicable law, and at Customer's written request, Juniper shall provide Customer with the interface information needed to achieve interoperability between the Software and another independently created program, on payment of applicable fee, if any. Customer shall observe strict obligations of confidentiality with respect to such information and shall use such information in compliance with any applicable terms and conditions upon which Juniper makes such information available.

**14. Third Party Software.** Any licensor of Juniper whose software is embedded in the Software and any supplier of Juniper whose products or technology are embedded in (or services are accessed by) the Software shall be a third party beneficiary with respect to this Agreement, and such licensor or vendor shall have the right to enforce this Agreement in its own name as if it were Juniper. In addition, certain third party software may be provided with the Software and is subject to the accompanying license(s), if any, of its respective owner(s). To the extent portions of the Software are distributed under and subject to open source licenses obligating Juniper to make the source code for such portions publicly available (such as the GNU General Public License

("GPL") or the GNU Library General Public License ("LGPL")), Juniper will make such source code portions (including Juniper modifications, as appropriate) available upon request for a period of up to three years from the date of distribution. Such request can be made in writing to Juniper Networks, Inc., 1194 N. Mathilda Ave., Sunnyvale, CA 94089, ATTN: General Counsel. You may obtain a copy of the GPL at <http://www.gnu.org/licenses/gpl.html>, and a copy of the LGPL at <http://www.gnu.org/licenses/lgpl.html>.

**15. Miscellaneous.** This Agreement shall be governed by the laws of the State of California without reference to its conflicts of laws principles. The provisions of the U.N. Convention for the International Sale of Goods shall not apply to this Agreement. For any disputes arising under this Agreement, the Parties hereby consent to the personal and exclusive jurisdiction of, and venue in, the state and federal courts within Santa Clara County, California. This Agreement constitutes the entire and sole agreement between Juniper and the Customer with respect to the Software, and supersedes all prior and contemporaneous agreements relating to the Software, whether oral or written (including any inconsistent terms contained in a purchase order), except that the terms of a separate written agreement executed by an authorized Juniper representative and Customer shall govern to the extent such terms are inconsistent or conflict with terms contained herein. No modification to this Agreement nor any waiver of any rights hereunder shall be effective unless expressly assented to in writing by the party to be charged. If any portion of this Agreement is held invalid, the Parties agree that such invalidity shall not affect the validity of the remainder of this Agreement. This Agreement and associated documentation has been written in the English language, and the Parties agree that the English version will govern. (For Canada: Les parties aux présentes confirment leur volonté que cette convention de même que tous les documents y compris tout avis qui s'y rattache, soient rédigés en langue anglaise. (Translation: The parties confirm that this Agreement and all related documentation is and will be in the English language)).

# About This Guide

- SRC Guides and Release Notes on page v
- Audience on page v
- Documentation Conventions on page v
- Related Juniper Networks Documentation on page vii
- Obtaining Documentation on page ix
- Documentation Feedback on page ix
- Requesting Technical Support on page ix

## SRC Guides and Release Notes

---

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

## Audience

---

This guide is intended for experienced system and network specialists working with JUNOS routers and JUNOS routing platforms in an Internet access environment. We assume that readers know how to use the routing platforms, 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 xviii defines the notice icons used in this guide. Table 2 on page xviii 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
<b>Bold text like this</b>	<ul style="list-style-type: none"> <li>■ Represents keywords, scripts, and tools in text.</li> <li>■ Represents a GUI element that the user selects, clicks, checks, or clears.</li> </ul>	<ul style="list-style-type: none"> <li>■ Specify the keyword <b>exp-msg</b>.</li> <li>■ Run the <b>install.sh</b> script.</li> <li>■ Use the <b>pkgadd</b> tool.</li> <li>■ To cancel the configuration, click <b>Cancel</b>.</li> </ul>
<b>Bold text like this</b>	Represents text that the user must type.	<code>user@host# set cache-entry-age cache-entry-age</code>
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"> <li>■ Represents configuration statements.</li> <li>■ Indicates SRC CLI commands and options in text.</li> <li>■ Represents examples in procedures.</li> <li>■ Represents URLs.</li> </ul>	<ul style="list-style-type: none"> <li>■ <code>system ldap server{ stand-alone;</code></li> <li>■ Use the <code>request sae modify device failover</code> command with the <code>force</code> option</li> <li>■ <code>user@host# . . .</code></li> <li>■ <code>http://www.juniper.net/techpubs/software/management/src/api-index.html</code></li> </ul>
<i>Italic sans serif typeface</i>	Represents variables in SRC CLI commands.	<code>user@host# set local-address local-address</code>
Angle brackets	In text descriptions, indicate optional keywords or variables.	Another runtime variable is <code>&lt; gfwif &gt;</code> .
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"> <li>■ Emphasizes words.</li> <li>■ Identifies book names.</li> <li>■ Identifies distinguished names.</li> <li>■ Identifies files, directories, and paths in text but not in command examples.</li> </ul>	<ul style="list-style-type: none"> <li>■ There are two levels of access: <i>user</i> and <i>privileged</i>.</li> <li>■ <i>SRC-PE Getting Started Guide</i></li> <li>■ <i>o = Users, o = UMC</i></li> <li>■ The <i>/etc/default.properties</i> file.</li> </ul>
Backslash	At the end of a line, indicates that the text wraps to the next line.	Plugin.radiusAcct-1.class = \net.juniper.srmt.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

## Related Juniper Networks Documentation

With each SRC software release, we provide the *SRC Documentation CD*, which contains the documentation described in Table 3 on page xix.

A complete list of abbreviations used in this document set, along with their spelled-out terms, is provided in the *SRC —PE Getting Started Guide*.

**Table 3: Juniper Networks C-series and SRC Technical Publications**

Document	Description
<b>Core Documentation Set</b>	
<i>C2000 and C4000 Hardware Guide</i>	Describes the hardware platforms and how to install, maintain, replace, and troubleshoot them. The guide also includes specifications.
<i>C2000 and C4000 Quick Start Guide</i>	Describes how to get the C-series Controller up and running quickly. Intended for experienced installers who want to expedite the installation process.
<i>SRC-PE Getting Started Guide</i>	Describes the SRC software, how to set up an initial software configuration, how to integrate RADIUS servers, and how to upgrade the SRC software. It also explains how to manage a C-series Controller. The guide describes how to set up and start the SRC CLI and the C-Web interface, as well as other SRC configuration tools. It includes reference material for the SRC documentation.
<i>SRC-PE CLI User Guide</i>	Describes how to use the SRC CLI, configure and monitor the platform with the CLI, and control the CLI environment. The guide also describes how to manage SRC components with the CLI.

**Table 3: Juniper Networks C-series and SRC Technical Publications** *(continued)*

Document	Description
<i>SRC-PE Network Guide: SAE, Juniper Networks Routers, NIC, and SRC-ACP</i>	Describes how to use and configure the SAE, the NIC, and the SRC-ACP (Admission Control Plug-In) application. This guide also provides detailed information about using JUNOSe routers, JUNOS routing platforms, and other network devices in the SRC network.
<i>SRC-PE Services and Policies Guide</i>	Describes how to work with services and policies. The guide provides an overview, configuration procedures, and management information. The guide also provides information about the SRC tools for configuring policies.
<i>SRC-PE Subscribers and Subscriptions Guide</i>	Describes how to work with residential and enterprise subscribers and subscriptions. The guide provides an overview, configuration procedures, and management information. This guide also provides information about the enterprise service portals, including the Enterprise Manager Portal.
<i>SRC-PE Monitoring and Troubleshooting Guide</i>	Describes how to use logging, the SNMP agent, the SRC CLI, and the C-Web interface to monitor and troubleshoot SRC components. This guide also describes the SNMP traps.
<i>SRC-PE Solutions Guide</i>	Provides high-level instructions for SRC implementations. The guide documents the following scenarios: managing QoS services on JUNOSe routers; managing subscribers in a wireless roaming environment; providing voice over IP (VoIP) services; integrating the SRC software in a PCMM environment, including the use of the Juniper Policy Server (JPS); and mirroring subscriber traffic on JUNOSe routers.
<i>SRC-PE CLI Command Reference, Volume 1</i> <i>SRC-PE CLI Command Reference, Volume 2</i>	Together constitute information about command and statement syntax; descriptions of commands, configuration statements, and options; editing level of statement options; and a history of when a command was added to the documentation.
<i>SRC-PE NETCONF API Guide</i>	Describes how to use the NETCONF application programming interface (API) to configure or request information from the NETCONF server on a C-series Controller that runs the SRC software.
<i>SRC-PE XML API Configuration Reference</i>	Describes the tag elements in the SRC Extensible Markup Language (XML) application programming interface (API) that are equivalent to configuration statements in the SRC command-line interface (SRC CLI).
<i>SRC-PE XML API Operational Reference</i>	Describes the tag elements in the SRC Extensible Markup Language (XML) application programming interface (API) that are equivalent to operational commands in the SRC command-line interface (SRC CLI).
<b>Application Library</b>	
<i>SRC Application Library Guide</i>	Describes how to install and work with applications that you can use to extend the capabilities of the SRC software. The guide documents the following applications: SRC-SG (SOAP Gateway) Web applications, an application to provide threat mitigation, an application to provide tracking and QoS control at the application level by integrating the SRC software with the Ellacoya deep packet inspection (DPI) platform, and an application to control volume usage .
<b>Release Notes</b>	



**Table 3: Juniper Networks C-series and SRC Technical Publications** *(continued)*

Document	Description
<i>SRC-PE Release Notes</i>	In the <i>Release Notes</i> , you will find the latest information about features, changes, known problems, resolved problems, supported platforms and network devices (such as Juniper Networks routers and CMTS devices), and third-party software. If the information in the <i>Release Notes</i> differs from the information found in the documentation set, follow the <i>Release Notes</i> .
<i>SRC Application Library Release Notes</i>	
Release notes are available on the Web.	

## Obtaining Documentation

To obtain the most current version of all Juniper Networks technical documentation, see the products documentation page on the Juniper Networks Web site at <http://www.juniper.net/>.

To order a documentation CD, which contains this guide, contact your sales representative.

Copies of the Management Information Bases (MIBs) available in a software release are included on the documentation CDs and at <http://www.juniper.net/>.

## 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](mailto:techpubs-comments@juniper.net), or fill out the documentation feedback form at <http://www.juniper.net/techpubs/docbug/docbugreport.html>. If you are using e-mail, be sure to include the following information with your comments:

- Document name
- Document part number
- Page number
- Software release version (not required for *Network Operations Guides [NOGs]*)

## 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/customers/support/downloads/710059.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 Manager: <http://www.juniper.net/cm/>

To verify service entitlement by product serial number, use our Serial Number Entitlement (SNE) Tool located at <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 Manager 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).

# 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 vi. 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)
- Juniper Policy Server (JPS)
- Redirect Server
- SRC Admission Control Plug-In (SRC-ACP)
- External Subscriber Monitor
- Dynamic Service Activator
- DIAMETER Application



# CLI and System Operational Tag Elements

[Table 5](#) 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 6](#). For more information about CLI commands, see the *SRC-PE CLI Command Reference*.

Table 5: Mapping of CLI Commands to Operational Tag Elements

CLI Command	Request Tag Element
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 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 license import	request-license-import
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 system halt	request-halt

request system install	request-system-install
request system reboot	request-reboot
request system restore	request-restore
request system snapshot	request-snapshot
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 cli level	set-level
show cli	get-cli
show cli authorization	get-cli-authorization
show cli level	get-level
show component	get-component-all
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 information	get-system-info
show system users	get-system-users

[Table 6](#) maps SRC XML operational request tag elements to SRC CLI commands. Tag elements are listed in alphabetical order.

Table 6: Mapping of Operational Tag Elements to CLI Commands

<b>Request Tag Element</b>	<b>CLI Command</b>
<a href="#">clear-security-certificate</a>	clear security certificate
<a href="#">clear-security-certificate-request</a>	clear security certificate-request
<a href="#">clear-security-ssh</a>	clear security ssh
<a href="#">disable</a>	disable
<a href="#">enable</a>	enable
<a href="#">file-compare</a>	file compare
<a href="#">file-list</a>	file list
<a href="#">file-show</a>	file show
<a href="#">get-cli</a>	show cli
<a href="#">get-cli-authorization</a>	show cli authorization
<a href="#">get-completions</a>	
<a href="#">get-component-all</a>	show component
<a href="#">get-date</a>	show date
<a href="#">get-disk-status</a>	show disk status
<a href="#">get-interfaces</a>	show interfaces
<a href="#">get-iptables</a>	show iptables
<a href="#">get-level</a>	show cli level
<a href="#">get-lifecycles</a>	
<a href="#">get-node-information</a>	
<a href="#">get-ntp-associations</a>	show ntp associations
<a href="#">get-ntp-statistics</a>	show ntp statistics
<a href="#">get-ntp-status</a>	show ntp status
<a href="#">get-route</a>	show route
<a href="#">get-security-certificate</a>	show security certificate

<a href="#">get-system-boot-messages</a>	show system boot-messages
<a href="#">get-system-info</a>	show system information
<a href="#">get-system-users</a>	show system users
<a href="#">request-disk-disable</a>	request disk disable
<a href="#">request-disk-enable</a>	request disk enable
<a href="#">request-disk-identify</a>	request disk identify
<a href="#">request-disk-initialize</a>	request disk initialize
<a href="#">request-halt</a>	request system halt
<a href="#">request-license-import</a>	request license import
<a href="#">request-network-discovery</a>	request network discovery
<a href="#">request-reboot</a>	request system reboot
<a href="#">request-restore</a>	request system restore
<a href="#">request-security-enroll</a>	request security enroll
<a href="#">request-security-generate-certificate-request</a>	request security generate-certificate-request
<a href="#">request-security-get-ca-certificate</a>	request security get-ca-certificate
<a href="#">request-security-import-certificate</a>	request security import-certificate
<a href="#">request-snapshot</a>	request system snapshot
<a href="#">request-system-install</a>	request system install
<a href="#">request-system-uninstall</a>	request system uninstall
<a href="#">request-system-upgrade</a>	request system upgrade
<a href="#">restart</a>	restart
<a href="#">set-date</a>	set date
<a href="#">set-date-ntp</a>	set date ntp
<a href="#">set-level</a>	set cli level



## <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 platform.

### Contents

<style>— (Optional)

#### 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-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 platform.

### 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>
```

### 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>
```

### 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>
```

### 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 descendants

**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-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-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 0–1

**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 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 0–1

**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 0–1

**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 0–1

**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-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 platforms, 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-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=sdxl,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 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=sdxl,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>
  </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*

### 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-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-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>
    <package> package </package>
    <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

<package>— (Optional) Name of an SRC package to upgrade.

**Value**— Package name

<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 platform.

> **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.



# Juniper Networks Database Operational Tag Elements

[Table 7](#) 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 8](#). For more information about CLI commands, see the *SRC-PE CLI Command Reference*.

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

| CLI Command                                   | Request Tag Element                           |
|---|---|
| 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 load                      | request-system-ldap-load                      |
| show system ldap community                    | get-jdb-community-data                        |
| show system ldap statistics                   | get-jdb-counter-data                          |

[Table 8](#) maps SRC XML operational request tag elements to SRC CLI commands. Tag elements are listed in alphabetical order.

Table 8: Mapping of Juniper Networks Database Operational Tag Elements to CLI Commands

| Request Tag Element   | CLI Command                                   |
|---|---|
| <a href="#">get-jdb-community-data</a>                        | show system ldap community                    |
| <a href="#">get-jdb-counter-data</a>                          | show system ldap statistics                   |
| <a href="#">request-system-ldap-change-admin-password</a>     | request system ldap change-admin-password     |
| <a href="#">request-system-ldap-change-component-password</a> | request system ldap change-component-password |
| <a href="#">request-system-ldap-community-force-update</a>    | request system ldap community force-update    |
| <a href="#">request-system-ldap-community-initialize</a>      | request system ldap community initialize      |
| <a href="#">request-system-ldap-load</a>                      | request system ldap load                      |

## **<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

No specific privilege required.

## <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**

No specific privilege required.

## <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

No specific privilege required.

## <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

No specific privilege required.

## <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.

`<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**

No specific privilege required.



## 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 commands 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*.

Table 9: Mapping of SAE CLI Commands to Operational Tag Elements

|  |  |
|--|--|
| 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 import-pilot-license               | request-sae-import-pilot-license               |
| 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                    |
| 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 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 statistics directory             | get-sae-statistics-diretory                 |
| 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                         |
| 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                  |

[Table 10](#) maps SRC XML operational request tag elements to SRC CLI commands. Tag elements are listed in alphabetical order.

Table 10: Mapping of SAE Operational Tag Elements to CLI Commands

| <b>Request Tag Element</b>                               | <b>CLI Command</b>                        |
|--|---|
| <a href="#">clear-sae-directory-blacklist</a>            | clear sae directory-blacklist             |
| <a href="#">clear-sae-registered-equipment</a>           | clear sae registered equipment            |
| <a href="#">clear-sae-registered-login</a>               | clear sae registered login                |
| <a href="#">get-sae-directory-blacklist</a>              | show sae directory-blacklist              |
| <a href="#">get-sae-drivers</a>                          | show sae drivers                          |
| <a href="#">get-sae-interfaces</a>                       | show sae interfaces                       |
| <a href="#">get-sae-licenses</a>                         | show sae licenses                         |
| <a href="#">get-sae-policies</a>                         | show sae policies                         |
| <a href="#">get-sae-registered-equipment</a>             | show sae registered equipment             |
| <a href="#">get-sae-registered-login</a>                 | show sae registered login                 |
| <a href="#">get-sae-services</a>                         | show sae services                         |
| <a href="#">get-sae-statistics-diretory</a>              | show sae statistics directory             |
| <a href="#">get-sae-statistics-directory-connections</a> | show sae statistics directory connections |
| <a href="#">get-sae-statistics-license-client</a>        | show sae statistics license client        |
| <a href="#">get-sae-statistics-license-device</a>        | show sae statistics license device        |
| <a href="#">get-sae-statistics-license-local</a>         | show sae statistics license local         |
| <a href="#">get-sae-statistics-policy-management</a>     | show sae statistics policy-management     |
| <a href="#">get-sae-statistics-process</a>               | show sae statistics process               |
| <a href="#">get-sae-statistics-radius</a>                | show sae statistics radius                |
| <a href="#">get-sae-statistics-radius-client</a>         | show sae statistics radius client         |
| <a href="#">get-sae-statistics-router</a>                | show sae statistics device                |
| <a href="#">get-sae-statistics-router-common</a>         | show sae statistics device common         |
| <a href="#">get-sae-statistics-sessions</a>              | show sae statistics sessions              |
| <a href="#">get-sae-statistics-subscribers-dn</a>        | show sae subscribers dn                   |
| <a href="#">get-sae-statistics-subscribers-ip</a>        | show sae subscribers ip                   |

|  |  |
|--|--|
| <a href="#">get-sae-statistics-subscribers-login-name</a>      | show sae subscribers login-name                |
| <a href="#">get-sae-statistics-subscribers-service-name</a>    | show sae subscribers service-name              |
| <a href="#">get-sae-statistics-subscribers-session-id</a>      | show sae subscribers session-id                |
| <a href="#">get-sae-statistics-threads</a>                     | show sae threads                               |
| <a href="#">get-sae-subscribers</a>                            | show sae subscribers                           |
| <a href="#">request-sae-import-pilot-license</a>               | request sae import-pilot-license               |
| <a href="#">request-sae-load-configuration</a>                 | request sae load configuration                 |
| <a href="#">request-sae-load-domain-map</a>                    | request sae load domain-map                    |
| <a href="#">request-sae-load-interface-classification</a>      | request sae load interface-classification      |
| <a href="#">request-sae-load-services</a>                      | request sae load services                      |
| <a href="#">request-sae-load-subscriptions</a>                 | request sae load subscriptions                 |
| <a href="#">request-sae-login-ip-authenticated-dhcp</a>        | request sae login ip authenticated-dhcp        |
| <a href="#">request-sae-login-ip-authenticated-interface</a>   | request sae login ip authenticated-interface   |
| <a href="#">request-sae-login-ip-unauthenticated-dhcp</a>      | request sae login ip unauthenticated-dhcp      |
| <a href="#">request-sae-login-ip-unauthenticated-interface</a> | request sae login ip unauthenticated-interface |
| <a href="#">request-sae-logout-dn</a>                          | request sae logout dn                          |
| <a href="#">request-sae-logout-ip</a>                          | request sae logout ip                          |
| <a href="#">request-sae-logout-login-name</a>                  | request sae logout login-name                  |
| <a href="#">request-sae-logout-session-id</a>                  | request sae logout session-id                  |
| <a href="#">request-sae-modify-device-failover</a>             | request sae modify device failover             |
| <a href="#">request-sae-shutdown-device</a>                    | request sae shutdown device                    |

## <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 JUNOS 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 JUNOS virtual 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 virtual router names.

**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

[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 1–2147483647

**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-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 1-2147483647

**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 1-2147483647

**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 1-2147483647

**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>
  </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 1–2147483647

**Default**— 25

#### Required Privilege Level

view

#### Output Tag

[services](#)

## **<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-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-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.

**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-cops— JUNOSe router drivers.
- packetcable-cops— PCMM device drivers.
- proxy— Third-party device drivers.
- aaa— AAA 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-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>
  </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

### 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 1–2147483647

**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-import-pilot-license>

### Usage

```
<rpc>
  <request-sae-import-pilot-license>
    <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>
  </request-sae-import-pilot-license>
</rpc>
```

### Release Information

Command introduced in SRC Release 1.0.0

### Description

Import the pilot license into the directory.

### Contents

<file-name>— Name of the file that contains the license.

**Value**— Text

**Default**— No value

<server-address>— (Optional) IP address of server to which you want to import the pilot license.

**Value**— IP address

**Default**— No value

<name-space>— (Optional) The string < base> is replaced with this value.

**Value**— Text

**Default**— No value

<authentication-dn>— (Optional) DN used for authentication with the directory.

**Value**— Text  
**Default**— No Value

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

**Value**— Text  
**Default**— No value

### Required Privilege Level

maintenance

## <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 JUNOS routers, interface alias is the description that is configured on JUNOS 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 JUNOS routers, interface alias is the description that is configured on JUNOS 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 JUNOS routers, interface alias is the description that is configured on JUNOS 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:

- JUNOS 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 DNs 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

# Network Information Collector (NIC) Operational Tag Elements

[Table 11](#) 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 12](#). For more information about CLI commands, see the *SRC-PE CLI Command Reference*.

Table 11: Mapping of NIC 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 12](#) maps SRC XML operational request tag elements to SRC CLI commands. Tag elements are listed in alphabetical order.

Table 12: Mapping of NIC Operational Tag Elements to CLI Commands

Request Tag Element	CLI Command
<a href="#">get-nic-data</a>	show nic data

<a href="#">get-nic-data-agent</a>	show nic data agent
<a href="#">get-nic-data-resolver</a>	show nic data resolver
<a href="#">get-nic-statistics</a>	show nic statistics
<a href="#">get-nic-statistics-agent</a>	show nic statistics agent
<a href="#">get-nic-statistics-host</a>	show nic statistics host
<a href="#">get-nic-statistics-process</a>	show nic statistics process
<a href="#">get-nic-statistics-resolver</a>	show nic statistics resolver
<a href="#">request-network-publisher-execute</a>	request network-publisher execute
<a href="#">request-nic-clear-scenario-data</a>	request nic clear scenario-data
<a href="#">request-nic-restart-agent</a>	request nic restart agent
<a href="#">request-nic-restart-resolver</a>	request nic restart resolver
<a href="#">test-nic-resolve</a>	test nic resolve



## <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 JUNOS routing platforms 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

# Juniper Policy Server (JPS) Operational Tag Elements

[Table 13](#) 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 14](#). For more information about CLI commands, see the *SRC-PE CLI Command Reference*.

Table 13: Mapping of JPS 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 14](#) maps SRC XML operational request tag elements to SRC CLI commands. Tag elements are listed in alphabetical order.

Table 14: Mapping of JPS Operational Tag Elements to CLI Commands

Request Tag Element	CLI Command
<a href="#">get-jps-statistics</a>	show jps statistics
<a href="#">get-jps-statistics-am</a>	show jps statistics am
<a href="#">get-jps-statistics-am-connections</a>	show jps statistics am connections
<a href="#">get-jps-statistics-cmts</a>	show jps statistics cmts
<a href="#">get-jps-statistics-cmts-connections</a>	show jps statistics cmts connections

<a href="#">get-jps-statistics-cmts-locator</a>	show jps statistics cmts-locator
<a href="#">get-jps-statistics-message-handler</a>	show jps statistics message-handler
<a href="#">get-jps-statistics-message-handler-message-flow</a>	show jps statistics message-handler message-flow
<a href="#">get-jps-statistics-process</a>	show jps statistics process
<a href="#">get-jps-statistics-rks</a>	show jps statistics rks



## <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](#)

## Redirect Server 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 commands 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 Redirect Server CLI Commands to Operational Tag Elements

CLI Command	Request Tag Element
show redirect-server statistics	show-redirect-server-statistics

[Table 16](#) maps SRC XML operational request tag elements to SRC CLI commands. Tag elements are listed in alphabetical order.

Table 16: Mapping of Redirect Server Operational Tag Elements to CLI Commands

Request Tag Element	CLI Command
<a href="#">show-redirect-server-statistics</a>	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](#)

## SRC Admission Control Plug-In (SRC-ACP) 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 commands 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 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 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 18](#) maps SRC XML operational request tag elements to SRC CLI commands. Tag elements are listed in alphabetical order.

Table 18: Mapping of SRC-ACP Operational Tag Elements to CLI Commands

<b>Request Tag Element</b>	<b>CLI Command</b>
<a href="#">get-acp-backbone-congestion-point-congestion-point-expression</a>	show acp backbone congestion-point congestion-point-expression
<a href="#">get-acp-backbone-congestion-point-dn</a>	show acp backbone congestion-point dn
<a href="#">get-acp-backbone-service</a>	show acp backbone service
<a href="#">get-acp-edge-congestion-point-dn</a>	show acp edge congestion-point dn
<a href="#">get-acp-edge-congestion-point-subscriber-session-id</a>	show acp edge congestion-point subscriber-session-id
<a href="#">get-acp-edge-subscriber</a>	show acp edge subscriber
<a href="#">get-acp-remote-update-congestion-point-dn</a>	show acp remote-update congestion-point dn
<a href="#">get-acp-remote-update-congestion-point-name</a>	show acp remote-update congestion-point name
<a href="#">get-acp-remote-update-subscriber</a>	show acp remote-update subscriber
<a href="#">get-acp-statistics-device</a>	show acp statistics device
<a href="#">get-acp-statistics-directory</a>	show acp statistics directory
<a href="#">get-acp-statistics-general</a>	show acp statistics general
<a href="#">request-acp-reorganize-backup-database</a>	request acp reorganize-backup-database

## <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-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



## External Subscriber Monitor 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 commands 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*.

Table 19: 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 20](#) maps SRC XML operational request tag elements to SRC CLI commands. Tag elements are listed in alphabetical order.

Table 20: Mapping of External Subscriber Monitor Operational Tag Elements to CLI Commands

| Request Tag Element   | CLI Command  |
|---|--|
| <a href="#">get-monAgent-statistics-event-notifications</a> | show external-subscriber-monitor statistics event-notifications  |
| <a href="#">get-monAgent-statistics-process</a>             | show external-subscriber-monitor statistics process              |
| <a href="#">get-radius</a>                                  | show external-subscriber-monitor statistics radius-accounting    |
| <a href="#">get-radius-authorization</a>                    | show external-subscriber-monitor statistics radius-authorization |

## <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](#)



# Dynamic Service Activator Operational Tag Elements

[Table 21](#) 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 22](#). For more information about CLI commands, see the *SRC-PE CLI Command Reference*.

Table 21: 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 dn	test-dsa-dsa-service-environment-clear-dn
test dsa dsa-service environment clear interface-index	test-dsa-dsa-service-environment-clear-interface-index
test dsa dsa-service environment clear interface-name	test-dsa-dsa-service-environment-clear-interface-name
test dsa dsa-service environment clear login-name	test-dsa-dsa-service-environment-clear-login-name
test dsa dsa-service environment clear primary-user-name	test-dsa-dsa-service-environment-clear-primary-user-name
test dsa dsa-service environment clear subscriber-address	test-dsa-dsa-service-environment-clear-subscriber-address
test dsa dsa-service environment clear subscriber-constraints	test-dsa-dsa-service-environment-clear-subscriber-constraints
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-type	test-dsa-dsa-service-environment-clear-subscriber-type
test dsa dsa-service environment clear virtual-router	test-dsa-dsa-service-environment-clear-virtual-router
test dsa dsa-service environment set	test-dsa-dsa-service-environment-set
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 dn	test-dsa-dsa-service-environment-show-dn
test dsa dsa-service environment show interface-index	test-dsa-dsa-service-environment-show-interface-index
test dsa dsa-service environment show interface-name	test-dsa-dsa-service-environment-show-interface-name
test dsa dsa-service environment show login-name	test-dsa-dsa-service-environment-show-login-name
test dsa dsa-service environment show primary-user-name	test-dsa-dsa-service-environment-show-primary-user-name
test dsa dsa-service environment show subscriber-address	test-dsa-dsa-service-environment-show-subscriber-address
test dsa dsa-service environment show subscriber-constraints	test-dsa-dsa-service-environment-show-subscriber-constraints
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-type	test-dsa-dsa-service-environment-show-subscriber-type
test dsa dsa-service environment show virtual-router	test-dsa-dsa-service-environment-show-virtual-router
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 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 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 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 22](#) maps SRC XML operational request tag elements to SRC CLI commands. Tag elements are listed in alphabetical order.

Table 22: Mapping of Dynamic Service Activator Operational Tag Elements to CLI Commands

Request Tag Element	CLI Command
<a href="#">get-dsa-statistics-general</a>	show dsa statistics general

<a href="#">get-dsa-statistics-nic-proxy</a>	show dsa statistics nic-proxy
<a href="#">get-dsa-statistics-soap-operation</a>	show dsa statistics soap-operation
<a href="#">test-dsa-dsa-service-environment-clear</a>	test dsa dsa-service environment clear
<a href="#">test-dsa-dsa-service-environment-clear-client-id</a>	test dsa dsa-service environment clear client-id
<a href="#">test-dsa-dsa-service-environment-clear-client-password</a>	test dsa dsa-service environment clear client-password
<a href="#">test-dsa-dsa-service-environment-clear-dn</a>	test dsa dsa-service environment clear dn
<a href="#">test-dsa-dsa-service-environment-clear-interface-index</a>	test dsa dsa-service environment clear interface-index
<a href="#">test-dsa-dsa-service-environment-clear-interface-name</a>	test dsa dsa-service environment clear interface-name
<a href="#">test-dsa-dsa-service-environment-clear-login-name</a>	test dsa dsa-service environment clear login-name
<a href="#">test-dsa-dsa-service-environment-clear-primary-user-name</a>	test dsa dsa-service environment clear primary-user-name
<a href="#">test-dsa-dsa-service-environment-clear-subscriber-address</a>	test dsa dsa-service environment clear subscriber-address
<a href="#">test-dsa-dsa-service-environment-clear-subscriber-constraints</a>	test dsa dsa-service environment clear subscriber-constraints
<a href="#">test-dsa-dsa-service-environment-clear-subscriber-id</a>	test dsa dsa-service environment clear subscriber-id
<a href="#">test-dsa-dsa-service-environment-clear-subscriber-password</a>	test dsa dsa-service environment clear subscriber-password
<a href="#">test-dsa-dsa-service-environment-clear-subscriber-type</a>	test dsa dsa-service environment clear subscriber-type
<a href="#">test-dsa-dsa-service-environment-clear-virtual-router</a>	test dsa dsa-service environment clear virtual-router
<a href="#">test-dsa-dsa-service-environment-set</a>	test dsa dsa-service environment set
<a href="#">test-dsa-dsa-service-environment-show</a>	test dsa dsa-service environment show
<a href="#">test-dsa-dsa-service-environment-show-client-id</a>	test dsa dsa-service environment show client-id
<a href="#">test-dsa-dsa-service-environment-show-client-password</a>	test dsa dsa-service environment show client-password

<a href="#">test-dsa-dsa-service-environment-show-dn</a>	test dsa dsa-service environment show dn
<a href="#">test-dsa-dsa-service-environment-show-interface-index</a>	test dsa dsa-service environment show interface-index
<a href="#">test-dsa-dsa-service-environment-show-interface-name</a>	test dsa dsa-service environment show interface-name
<a href="#">test-dsa-dsa-service-environment-show-login-name</a>	test dsa dsa-service environment show login-name
<a href="#">test-dsa-dsa-service-environment-show-primary-user-name</a>	test dsa dsa-service environment show primary-user-name
<a href="#">test-dsa-dsa-service-environment-show-subscriber-address</a>	test dsa dsa-service environment show subscriber-address
<a href="#">test-dsa-dsa-service-environment-show-subscriber-constraints</a>	test dsa dsa-service environment show subscriber-constraints
<a href="#">test-dsa-dsa-service-environment-show-subscriber-id</a>	test dsa dsa-service environment show subscriber-id
<a href="#">test-dsa-dsa-service-environment-show-subscriber-password</a>	test dsa dsa-service environment show subscriber-password
<a href="#">test-dsa-dsa-service-environment-show-subscriber-type</a>	test dsa dsa-service environment show subscriber-type
<a href="#">test-dsa-dsa-service-environment-show-virtual-router</a>	test dsa dsa-service environment show virtual-router
<a href="#">test-dsa-dsa-service-invoke-gateway-extension</a>	test dsa dsa-service invoke-gateway-extension
<a href="#">test-dsa-dsa-service-invoke-script</a>	test dsa dsa-service invoke-script
<a href="#">test-dsa-dsa-service-subscriber-activate-service</a>	test dsa dsa-service subscriber-activate-service
<a href="#">test-dsa-dsa-service-subscriber-deactivate-service</a>	test dsa dsa-service subscriber-deactivate-service
<a href="#">test-dsa-dsa-service-subscriber-login</a>	test dsa dsa-service subscriber-login
<a href="#">test-dsa-dsa-service-subscriber-logout</a>	test dsa dsa-service subscriber-logout
<a href="#">test-dsa-dsa-service-subscriber-modify-service</a>	test dsa dsa-service subscriber-modify-service
<a href="#">test-dsa-dsa-service-subscriber-read-subscription</a>	test dsa dsa-service subscriber-read-subscription
<a href="#">test-dsa-pcmm-service-commit-resources</a>	test dsa pcmm-service commit-resources
<a href="#">test-dsa-pcmm-service-environment-clear</a>	test dsa pcmm-service environment clear

<a href="#">test-dsa-pcmm-service-environment-clear-client-id</a>	test dsa pcmm-service environment clear client-id
<a href="#">test-dsa-pcmm-service-environment-clear-client-password</a>	test dsa pcmm-service environment clear client-password
<a href="#">test-dsa-pcmm-service-environment-clear-subscriber-address</a>	test dsa pcmm-service environment clear subscriber-address
<a href="#">test-dsa-pcmm-service-environment-clear-subscriber-uri</a>	test dsa pcmm-service environment clear subscriber-uri
<a href="#">test-dsa-pcmm-service-environment-set</a>	test dsa pcmm-service environment set
<a href="#">test-dsa-pcmm-service-environment-show</a>	test dsa pcmm-service environment show
<a href="#">test-dsa-pcmm-service-environment-show-client-id</a>	test dsa pcmm-service environment show client-id
<a href="#">test-dsa-pcmm-service-environment-show-client-password</a>	test dsa pcmm-service environment show client-password
<a href="#">test-dsa-pcmm-service-environment-show-subscriber-address</a>	test dsa pcmm-service environment show subscriber-address
<a href="#">test-dsa-pcmm-service-environment-show-subscriber-uri</a>	test dsa pcmm-service environment show subscriber-uri
<a href="#">test-dsa-pcmm-service-query-available-services</a>	test dsa pcmm-service query-available-services
<a href="#">test-dsa-pcmm-service-query-contexts</a>	test dsa pcmm-service query-contexts
<a href="#">test-dsa-pcmm-service-release-resources</a>	test dsa pcmm-service release-resources

## <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-dn>**

### **Usage**

```
<rpc>  
  <test-dsa-dsa-service-environment-clear-dn>  
  </test-dsa-dsa-service-environment-clear-dn>  
</rpc>
```

### **Release Information**

Command introduced in SRC Release 3.0.0

### **Description**

Delete test setting for the DN of the subscriber profile.

### **Required Privilege Level**

maintenance

## **<test-dsa-dsa-service-environment-clear-interface-index>**

### **Usage**

```
<rpc>  
  <test-dsa-dsa-service-environment-clear-interface-index>  
  </test-dsa-dsa-service-environment-clear-interface-index>  
</rpc>
```

### **Release Information**

Command introduced in SRC Release 3.0.0

### **Description**

Delete test setting for the SNMP index of the interface.

### **Required Privilege Level**

maintenance

## **<test-dsa-dsa-service-environment-clear-interface-name>**

### **Usage**

```
<rpc>  
  <test-dsa-dsa-service-environment-clear-interface-name>  
  </test-dsa-dsa-service-environment-clear-interface-name>  
</rpc>
```

### **Release Information**

Command introduced in SRC Release 3.0.0

### **Description**

Delete test setting for the interface name.

### **Required Privilege Level**

maintenance

## **<test-dsa-dsa-service-environment-clear-login-name>**

### **Usage**

```
<rpc>  
  <test-dsa-dsa-service-environment-clear-login-name>  
  </test-dsa-dsa-service-environment-clear-login-name>  
</rpc>
```

### **Release Information**

Command introduced in SRC Release 3.0.0

### **Description**

Delete test setting for the login name.

### **Required Privilege Level**

maintenance

## **<test-dsa-dsa-service-environment-clear-primary-user-name>**

### **Usage**

```
<rpc>  
  <test-dsa-dsa-service-environment-clear-primary-user-name>  
  </test-dsa-dsa-service-environment-clear-primary-user-name>  
</rpc>
```

### **Release Information**

Command introduced in SRC Release 3.0.0

### **Description**

Delete test setting for the primary username.

### **Required Privilege Level**

maintenance

## **<test-dsa-dsa-service-environment-clear-subscriber-address>**

### **Usage**

```
<rpc>  
  <test-dsa-dsa-service-environment-clear-subscriber-address>  
  </test-dsa-dsa-service-environment-clear-subscriber-address>  
</rpc>
```

### **Release Information**

Command introduced in SRC Release 3.0.0

### **Description**

Delete test setting for the subscriber address.

### **Required Privilege Level**

maintenance



## **<test-dsa-dsa-service-environment-clear-subscriber-constraints>**

### **Usage**

```
<rpc>  
  <test-dsa-dsa-service-environment-clear-subscriber-constraints>  
  </test-dsa-dsa-service-environment-clear-subscriber-constraints>  
</rpc>
```

### **Release Information**

Command introduced in SRC Release 3.0.0

### **Description**

Delete test setting for the subscriber constraints.

### **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-type>**

### **Usage**

```
<rpc>  
  <test-dsa-dsa-service-environment-clear-subscriber-type>  
  </test-dsa-dsa-service-environment-clear-subscriber-type>  
</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-clear-virtual-router>

### Usage

```
<rpc>  
  <test-dsa-dsa-service-environment-clear-virtual-router>  
  </test-dsa-dsa-service-environment-clear-virtual-router>  
</rpc>
```

### Release Information

Command introduced in SRC Release 3.0.0

### Description

Delete test setting for the virtual router name.

### 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>
    <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>
    <subscriber-constraints> subscriber-constraints </subscriber-constraints>
  </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

<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**

<subscriber-constraints>— (Optional) The 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-dn>**

### **Usage**

```
<rpc>  
  <test-dsa-dsa-service-environment-show-dn>  
  </test-dsa-dsa-service-environment-show-dn>  
</rpc>
```

### **Release Information**

Command introduced in SRC Release 3.0.0

### **Description**

Display test setting for DN of the subscriber profile.

### **Required Privilege Level**

maintenance

## **<test-dsa-dsa-service-environment-show-interface-index>**

### **Usage**

```
<rpc>  
  <test-dsa-dsa-service-environment-show-interface-index>  
  </test-dsa-dsa-service-environment-show-interface-index>  
</rpc>
```

### **Release Information**

Command introduced in SRC Release 3.0.0

### **Description**

Display test setting for the SNMP index of the interface.

### **Required Privilege Level**

maintenance

## **<test-dsa-dsa-service-environment-show-interface-name>**

### **Usage**

```
<rpc>  
  <test-dsa-dsa-service-environment-show-interface-name>  
  </test-dsa-dsa-service-environment-show-interface-name>  
</rpc>
```

### **Release Information**

Command introduced in SRC Release 3.0.0

### **Description**

Display test setting for interface name.

### **Required Privilege Level**

maintenance

## <test-dsa-dsa-service-environment-show-login-name>

### Usage

```
<rpc>  
  <test-dsa-dsa-service-environment-show-login-name>  
  </test-dsa-dsa-service-environment-show-login-name>  
</rpc>
```

### Release Information

Command introduced in SRC Release 3.0.0

### Description

Display test setting for login name.

### Required Privilege Level

maintenance

## **<test-dsa-dsa-service-environment-show-primary-user-name>**

### **Usage**

```
<rpc>  
  <test-dsa-dsa-service-environment-show-primary-user-name>  
  </test-dsa-dsa-service-environment-show-primary-user-name>  
</rpc>
```

### **Release Information**

Command introduced in SRC Release 3.0.0

### **Description**

Display test setting for primary username.

### **Required Privilege Level**

maintenance



## **<test-dsa-dsa-service-environment-show-subscriber-address>**

### **Usage**

```
<rpc>  
  <test-dsa-dsa-service-environment-show-subscriber-address>  
  </test-dsa-dsa-service-environment-show-subscriber-address>  
</rpc>
```

### **Release Information**

Command introduced in SRC Release 3.0.0

### **Description**

Display test setting for subscriber IP address.

### **Required Privilege Level**

maintenance

## **<test-dsa-dsa-service-environment-show-subscriber-constraints>**

### **Usage**

```
<rpc>  
  <test-dsa-dsa-service-environment-show-subscriber-constraints>  
  </test-dsa-dsa-service-environment-show-subscriber-constraints>  
</rpc>
```

### **Release Information**

Command introduced in SRC Release 3.0.0

### **Description**

Display test setting for subscriber constraints.

### **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-type>**

### **Usage**

```
<rpc>  
  <test-dsa-dsa-service-environment-show-subscriber-type>  
  </test-dsa-dsa-service-environment-show-subscriber-type>  
</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-environment-show-virtual-router>**

### **Usage**

```
<rpc>  
  <test-dsa-dsa-service-environment-show-virtual-router>  
  </test-dsa-dsa-service-environment-show-virtual-router>  
</rpc>
```

### **Release Information**

Command introduced in SRC Release 3.0.0

### **Description**

Display test setting for virtual router.

### **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>
  </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

## **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>
  </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

## **Required Privilege Level**

maintenance

## <test-dsa-dsa-service-subscriber-activate-service>

### Usage

```
<rpc>
  <test-dsa-dsa-service-subscriber-activate-service>
    <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>
    <subscriber-constraints> subscriber-constraints </subscriber-constraints>
    <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>
  </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-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

<subscriber-constraints>— (Optional) The constraint for the NIC key, in the format "< constraint name> = < constraint value>".

**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

#### **Required Privilege Level**

maintenance

## <test-dsa-dsa-service-subscriber-deactivate-service>

### Usage

```
<rpc>
  <test-dsa-dsa-service-subscriber-deactivate-service>
    <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>
    <subscriber-constraints> subscriber-constraints </subscriber-constraints>
    <service-name> service-name </service-name>
    <service-session> service-session </service-session>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
  </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-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**

<subscriber-constraints>— (Optional) The constraint for the NIC key, in the format "< constraint name> = < constraint value>".

**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

**Required Privilege Level**

maintenance

## <test-dsa-dsa-service-subscriber-login>

### Usage

```
<rpc>
  <test-dsa-dsa-service-subscriber-login>
    <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>
    <subscriber-constraints> subscriber-constraints </subscriber-constraints>
    <subscriber-id> subscriber-id </subscriber-id>
    <subscriber-password> subscriber-password </subscriber-password>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
  </test-dsa-dsa-service-subscriber-login>
</rpc>
```

### Release Information

Command introduced in SRC Release 3.0.0

### Description

Test subscriber login.

### Contents

<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

<subscriber-constraints>— (Optional) The constraint for the NIC key, in the format "< constraint name> = < constraint value>".

**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

**Required Privilege Level**

maintenance

## <test-dsa-dsa-service-subscriber-logout>

### Usage

```
<rpc>
  <test-dsa-dsa-service-subscriber-logout>
    <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>
    <subscriber-constraints> subscriber-constraints </subscriber-constraints>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
  </test-dsa-dsa-service-subscriber-logout>
</rpc>
```

### Release Information

Command introduced in SRC Release 3.0.0

### Description

Test subscriber logout.

### Contents

<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

`<subscriber-constraints>`— (Optional) The constraint for the NIC key, in the format "`< constraint name> = < constraint value>`".

**Value**—Text

`<client-id>`— (Optional) Username for Dynamic Service Activator client.

**Value**—Text

`<client-password>`— (Optional) Password for Dynamic Service Activator client.

**Value**—Text

### Required Privilege Level

maintenance

## <test-dsa-dsa-service-subscriber-modify-service>

### Usage

```
<rpc>
  <test-dsa-dsa-service-subscriber-modify-service>
    <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>
    <subscriber-constraints> subscriber-constraints </subscriber-constraints>
    <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>
  </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-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

<subscriber-constraints>— (Optional) The constraint for the NIC key, in the format "< constraint name> = < constraint value>".

**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

#### **Required Privilege Level**

maintenance

## <test-dsa-dsa-service-subscriber-read-subscription>

### Usage

```
<rpc>
  <test-dsa-dsa-service-subscriber-read-subscription>
    <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>
    <subscriber-constraints> subscriber-constraints </subscriber-constraints>
    <attributes> attributes </attributes>
    <filter> filter </filter>
    <client-id> client-id </client-id>
    <client-password> client-password </client-password>
  </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-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

<subscriber-constraints>— (Optional) The constraint for the NIC key, in the format "< constraint name> = < constraint value>".

**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

### Required Privilege Level

maintenance

## <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>
  </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

## 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-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>
  </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

## **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-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>
  </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

### 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>
  </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

### **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>
  </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

### **Required Privilege Level**

maintenance



## DIAMETER Operational Tag Elements

[Table 23](#) 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 24](#). For more information about CLI commands, see the *SRC-PE CLI Command Reference*.

Table 23: Mapping of DIAMETER 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 24](#) maps SRC XML operational request tag elements to SRC CLI commands. Tag elements are listed in alphabetical order.

Table 16: Mapping of DIAMETER Operational Tag Elements to CLI Commands

Request Tag Element	CLI Command
<a href="#">get-diameter-statistics</a>	show diameter statistics
<a href="#">get-diameter-statistics-message-handler</a>	show diameter statistics message-handler
<a href="#">get-diameter-statistics-message-handler-message-flow</a>	show diameter statistics message-handler message-flow
<a href="#">get-diameter-statistics-process</a>	show diameter statistics process
<a href="#">get-diameter-statistics-requests</a>	show diameter statistics requests
<a href="#">get-diameter-status</a>	show diameter status

<a href="#">get-diameter-status-clients</a>	show diameter status clients
<a href="#">get-diameter-status-peers</a>	show diameter status peers

## <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

No specific privilege required.

### 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

No specific privilege required.

### 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

No specific privilege required.

### 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

No specific privilege required.

### 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

No specific privilege required.

### 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

No specific privilege required.

### 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

No specific privilege required.

### 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

No specific privilege required.

### Output Tag

[peers](#)