

## Chapter 15

# Monitoring SAE Data with the SRC CLI

This chapter describes how to monitor the SAE with the CLI. Topics include:

- Viewing SAE Data with the CLI on page 105
- Viewing Information About Subscriber Sessions with the CLI on page 113
- Viewing SAE SNMP Information with the CLI on page 117

## Viewing SAE Data with the CLI

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You can view information about the SAE active configuration. You can view data currently stored in the SAE server's memory for:

- Directory blacklist

See Viewing Information About the Directory Blacklist with the CLI on page 106.

- Device drivers

See Viewing Information About Device Drivers with the CLI on page 106.

- Interfaces

See Viewing Information About Interfaces with the CLI on page 107.

- Licenses

See Viewing Information About Licenses with the CLI on page 108.

- Policies

See Viewing Information About Policies with the CLI on page 108.

- Registrations

See Viewing Login Registrations with the CLI on page 109 and Viewing Equipment Registrations with the CLI on page 110.

- Services

See Viewing Information About Services with the CLI on page 110.

- Threads

See Viewing Information About Threads with the CLI on page 112.

## Viewing Information About the Directory Blacklist with the CLI

To view information about the directory blacklist configured on the SAE:

```
user@host> show sae directory-black-list
```

## Viewing Information About Device Drivers with the CLI

Each device driver manages one logical router instance. To view information about the state of SAE device drivers:

```
user@host> show sae drivers
JUNOSe Driver
Device name                default@dryad
Device type                junose
Device IP                  10.227.7.244
Local IP                   10.227.7.172
TransportRouter            default@dryad
Device version             7.2.0
Start time                 Tue Feb 13 14:18:44 EST 2007
Number of notifications    20
Number of processed added  14
Number of processed changed 0
Number of processed deleted 6
Number of provisioning attempt 30
Number of provisioning attempt failed 0
Number of outstanding decisions 0
Number of SAP              7
Number of PAP              1

Job Queue
Size                        0
Age (ms)                   1
Total enqueued             28
Total dequeued             28
Average job time (ms) 426

State Synchronization
Number recovered subscriber sessions 0
Number recovered service sessions    0
Number recovered interface sessions  0
Number invalid subscriber sessions    0
Number invalid service sessions       0
Number invalid interface sessions     0
Background restoration start time     Tue Feb 13 14:18:49 EST 2007
Background restoration end time       Tue Feb 13 14:18:49 EST 2007
```

```

Number subscriber sessions restored in background 0
Number of provisioning objects left to collect      0
Total number of provisioning objects to collect    11
Start time                                         Tue Feb 13 14:18:45 EST 2007
End time                                           Tue Feb 13 14:18:47 EST 2007
Number of synched contexts                        7
Number of post-sync jobs                         6

```

To view information about the state of a particular device driver, specify all or part of the virtual router name. For JUNOS router drivers and PCMM drivers, use the format `default@routerName`.

```
user@host> show sae drivers device-name device-name
```

To view only the virtual router names for the device driver:

```

user@host> show sae drivers brief
Router Drivers
Router Name           Router Type
default@simJunos      junos

```

To restrict the number of displayed results:

```
user@host> show sae drivers maximum-results maximum-results
```

## Viewing Information About Interfaces with the CLI

We recommend that you do not enter the **show sae interfaces** command without specifying an interface, virtual router, brief, or maximum results to filter the results. Entering the **show sae interfaces** command can generate a large quantity of results, and processing these results can place a load on the C-series controller.

To view information about the router interfaces:

```
user@host> show sae interfaces
```

To view information about particular router interfaces, specify all or part of the interface name.

```
user@host> show sae interfaces interface-name interface-name
```

To view information about interfaces for a particular virtual router, specify all or part of the VR name.

```
user@host> show sae interfaces virtual-router-name virtual-router-name
```

To view only the interface names:

```
user@host> show sae interfaces brief
```

To restrict the number of displayed results:

```
user@host> show sae interfaces maximum-results maximum-results
```

## Viewing Information About Licenses with the CLI

To view the installed licenses:

```
user@host> show sae licenses
SSC License Key Checker V3.0
```

Type of license: Pilot. Status: OK.

The following valid licenses are found:

```
License: cn=83ced779,ou=Licenses,o=Management,o=UMC
license.val.component = 1
license.val.customer = buffy
license.val.expiry = 2007-02-23
license.val.nodeid = 83ced779
license.val.release = 7.*
license.val.seqnum = 00555
license.val.type = pilot
license.val.userSessions = 100
```

## Viewing Information About Policies with the CLI

To view information about the policies available on the SAE:

```
user@host> show sae policies
```

To view information about particular policies, specify all or part of the policy list name:

```
user@host> show sae policies filter filter
```

For example, if you wanted to view the policy called brickwall:

```
user@host> show sae policies filter brickwall
Policy Group
Policy Group Name brickwall
Absolute ID      policyGroupName=brickwall,ou=entjunos,o=Policies,o=UMC

Policy Object
applicability    both
Name             both
policyRoles      JUNOS
accountingRule   false
Name             block
priority         601
ruleType         JUNOS ASP
matchDirection   both
Name             all
Name             drop
Name             packet
```

To view only the policy list names for the policies:

```
user@host> show sae policies brief
```

```
Policies
ADSL-Basic
basicBod
BestEffort64
block
bod
bodVpn
both_fwr_filter
both_fwr_fwd
both_fwr_reject
brickwall
brickwall
content-provider
content-provider-tiered
custom_policer
default
default
DHCP
DocsisParameter
DownStream
dynsrcnat
eglimit
emailweb
emailweb
EntDefault
filter
```

```
More results available. Display has reached the maximum number of results.
Number of skipped results: 43
```

To restrict the number of displayed results:

```
user@host> show sae policies maximum-results maximum-results
```

## Viewing Login Registrations with the CLI

You can view all login registrations, or you can view a specific registration.

For information about login registrations, see *SRC-PE Subscribers and Subscriptions Guide, Chapter 4, Configuring Subscriber-Related Properties on the SAE with the SRC CLI*.

To view information about all login registrations:

```
user@host> show sae registered login
```

To view a specific registration, specify the media access control (MAC) address for the registration that you want to display:

```
user@host> show sae registered login mac-address mac-address
```

To view only the MAC address of the registrations:

```
user@host> show sae registered login brief
```

To restrict the number of displayed results:

```
user@host> show sae registered login maximum-results maximum-results
```

## Viewing Equipment Registrations with the CLI

You can view all equipment registrations, or you can view a specific registration.

For information about equipment registrations, see *SRC-PE Sample Applications Guide*.

To view information about all equipment registrations:

```
user@host> show sae registered equipment
```

To view a specific registration, specify the media access control (MAC) address for the registration that you want to display:

```
user@host> show sae registered equipment mac-address mac-address
```

To view only the MAC address of the registrations:

```
user@host> show sae registered equipment brief
```

To restrict the number of displayed results:

```
user@host> show sae registered equipment maximum-results maximum-results
```

## Viewing Information About Services with the CLI

To view information about the services available on the SAE:

```
user@host> show sae services
```

To view information about particular services, specify all or part of the service name:

```
user@host> show sae services filter filter
```

For example, if you wanted to view the service called BrickWall:

```
user@host> show sae services filter brickwall
Service
available      true
description    This firewall blocks all incoming and outgoing traffic.
location       l=entjunos,o=scopes,o=umc
policygroupref policyGroupName=brickwall,ou=entjunos,o=Policies,o=UMC
servicename    BrickWall
servicetype    7
sspcategory    basicFirewall
ssptype        Normal
```

```

status          2
available       true
description     This firewall blocks all incoming and outgoing traffic.
location        l=entjunosstatelessfw,o=scopes,o=umc
policygroupref
policyGroupName=brickwall,ou=entjunos_statelessfw,o=Policies,o=UMC
servicename     BrickWall
servicetype     7
sspcategory     basicFirewall
ssptype         Normal
status          2

```

To view all the hidden services:

```
user@host> show sae services secret
```

```

Service
available       true
description     This firewall blocks all incoming traffic and allows only
                outgoing email and web traffic.
location        l=entjunos,o=scopes,o=umc
policygroupref  policyGroupName=emailweb,ou=entjunos,o=Policies,o=UMC
servicename     EmailAndWeb
servicetype     7
sspcategory     basicFirewall
sspradiusclass  EmailAndWeb
ssptype         Normal
status          2
available       true
description     This firewall blocks all incoming traffic and allows only
                outgoing email and web traffic.
location        l=entjunosstatelessfw,o=scopes,o=umc
policygroupref  policyGroupName=emailweb,ou=entjunos_statelessfw,o=Policies,o=UMC
servicename     EmailAndWeb
servicetype     7
sspcategory     basicFirewall
sspradiusclass  EmailAndWeb
ssptype         Normal
status          2

```

```

Service
available       true
description     This service is activated automatically when the
                subscriber is the source or destination of a network
                attack
location        l=idp-subscriber,o=scopes,o=umc
parametersubstitution captiveAddress=66.13.2.11
policygroupref  policyGroupName=quarantine,ou=idp,o=Policies,o=UMC
servicename     Quarantine
servicetype     7
sspradiusclass  Quarantine
ssptype         Normal
status          2

```

To view only the service names for the services:

```

user@host> show sae services brief
Services
EmailAndWeb
Quarantine
Audio-Silver
Internet-Gold
Internet-Silver

```

```

DynSrcNat
FWR_Filter_Out
StaticDestNat
PingDoSProtect
MirrorFragment
SubrIntfFragment
BrickWall
Audio-Bronze
Internet-Bronze
Limit500kbs
News
Gold_VPN
Limit1Mbs
Video-Silver
Audio-Gold
RouterFragment
1.0 Mbps
DynSrcNat
FWR_Filter_Out
StaticDestNat
PingDoSProtect
MirrorFragment
SubrIntfFragment
BrickWall
Audio-Bronze
Internet-Bronze
Limit500kbs
News
Gold_VPN
Limit1Mbs
Video-Silver
Audio-Gold
RouterFragment
1.0 Mbps
FWR_Rej_In
MirrorAggregate
Video-Bronze

```

More results available. Display has reached the maximum number of results.  
 Number of skipped results: 26

To restrict the number of displayed results:

```
user@host> show sae services maximum-results maximum-results
```

## Viewing Information About Threads with the CLI

To view information about the threads and their priority on the SAE:

```

user@host> show sae threads
Thread Group
Thread group name system
Active threads      112
Active groups       11
Max priority        10

```



| Thread name       | Priority | Daemon thread |
|-------------------|----------|---------------|
| Reference Handler | 10       | true          |
| Finalizer         | 8        | true          |
| Signal Dispatcher | 9        | true          |

...

| Thread Group      |                  |
|-------------------|------------------|
| Thread group name | RKSTrackingQueue |
| Active threads    | 5                |
| Active groups     | 0                |
| Max priority      | 10               |

| Thread name        | Priority | Daemon thread |
|--------------------|----------|---------------|
| RKSTrackingQueue-0 | 5        | true          |
| RKSTrackingQueue-1 | 5        | true          |
| RKSTrackingQueue-2 | 5        | true          |
| RKSTrackingQueue-3 | 5        | true          |
| RKSTrackingQueue-4 | 5        | true          |

## Viewing Information About Subscriber Sessions with the CLI

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You can list subscriber sessions by:

- The distinguished name (DN) of the subscriber entry in the directory

See Viewing Information About Subscriber Sessions by DN with the CLI on page 114.

- IP address

See Viewing Information About Subscriber Sessions by IP Address with the CLI on page 114.

- Login name

See Viewing Information About Subscriber Sessions by Login Name with the CLI on page 115.

- Service name

See Viewing Information About Subscriber Sessions by Service Name with the CLI on page 116.

- Session ID

See Viewing Information About Subscriber Sessions by Session ID with the CLI on page 116.

To view information about all subscriber sessions:

```
user@host> show sae subscribers
```

To view the subscriptions and service sessions from hidden services:

```
user@host> show sae subscribers secret
```

To view only the subscriber session information without service sessions:

```
user@host> show sae subscribers brief
```

To view the subscriber session ID, login name, and IP address:

```
user@host> show sae subscribers terse
```

To restrict the number of displayed results:

```
user@host> show sae subscribers maximum-results maximum-results
```

### **Viewing Information About Subscriber Sessions by DN with the CLI**

To view information about subscriber sessions accessible by DN:

```
user@host> show sae subscribers dn
```

To view information about particular subscriber sessions, specify all or part of the DN:

```
user@host> show sae subscribers dn filter filter
```

To view the subscriptions and service sessions from hidden services:

```
user@host> show sae subscribers dn secret  
user@host> show sae subscribers dn filter filter secret
```

To view only the subscriber session information without service sessions:

```
user@host> show sae subscribers dn brief  
user@host> show sae subscribers dn filter filter brief
```

To view the subscriber session ID, login name, and IP address:

```
user@host> show sae subscribers dn terse  
user@host> show sae subscribers dn filter filter terse
```

To restrict the number of displayed results:

```
user@host> show sae subscribers dn maximum-results maximum-results  
user@host> show sae subscribers dn filter filter maximum-results maximum-results
```

### **Viewing Information About Subscriber Sessions by IP Address with the CLI**

You can list subscriber sessions by IP address for Dynamic Host Configuration Protocol (DHCP) subscribers, authenticated Point-to-Point Protocol (PPP) subscribers, and static IP subscribers who have logged in to the portal.

To view information about subscriber sessions accessible by IP address:

```
user@host> show sae subscribers ip
```

To view information about particular subscriber sessions, specify the IP address:

```
user@host> show sae subscribers ip filter filter
```

To view the subscriptions and service sessions from hidden services:

```
user@host> show sae subscribers ip secret  
user@host> show sae subscribers ip filter filter secret
```

To view only the subscriber session information without service sessions:

```
user@host> show sae subscribers ip brief  
user@host> show sae subscribers ip filter filter brief
```

To view the subscriber session ID, login name, and IP address:

```
user@host> show sae subscribers ip terse  
user@host> show sae subscribers ip filter filter terse
```

To restrict the number of displayed results:

```
user@host> show sae subscribers ip maximum-results maximum-results  
user@host> show sae subscribers ip filter filter maximum-results maximum-results
```

## Viewing Information About Subscriber Sessions by Login Name with the CLI

To view information about subscriber sessions accessible by login name:

```
user@host> show sae subscribers login-name
```

To view information about particular subscriber sessions, specify all or part of the login name:

```
user@host> show sae subscribers login-name filter filter
```

To view the subscriptions and service sessions from hidden services:

```
user@host> show sae subscribers login-name secret  
user@host> show sae subscribers login-name filter filter secret
```

To view only the subscriber session information without service sessions:

```
user@host> show sae subscribers login-name brief  
user@host> show sae subscribers login-name filter filter brief
```

To view the subscriber session ID, login name, and IP address:

```
user@host> show sae subscribers login-name terse  
user@host> show sae subscribers login-name filter filter terse
```

To restrict the number of displayed results:

```
user@host> show sae subscribers login-name maximum-results maximum-results  
user@host> show sae subscribers login-name filter filter maximum-results maximum-results
```

## Viewing Information About Subscriber Sessions by Service Name with the CLI

To view information about subscriber sessions activated by a subscription to an active service session:

```
user@host> show sae subscribers service-name
```

To view information about particular subscriber sessions, specify all or part of the service name:

```
user@host> show sae subscribers service-name filter filter
```

To view the subscriptions and service sessions from hidden services:

```
user@host> show sae subscribers service-name secret  
user@host> show sae subscribers service-name filter filter secret
```

To view only the subscriber session information without service sessions:

```
user@host> show sae subscribers service-name brief  
user@host> show sae subscribers service-name filter filter brief
```

To view the subscriber session ID, login name, and IP address:

```
user@host> show sae subscribers service-name terse  
user@host> show sae subscribers service-name filter filter terse
```

To restrict the number of displayed results:

```
user@host> show sae subscribers service-name maximum-results maximum-results  
user@host> show sae subscribers service-name filter filter maximum-results  
maximum-results
```

## Viewing Information About Subscriber Sessions by Session ID with the CLI

To view information about subscriber sessions by session ID:

```
user@host> show sae subscribers session-id
```

To view information about particular subscriber sessions, specify all or part of the subscriber session ID:

```
user@host> show sae subscribers session-id filter filter
```

To view the subscriptions and service sessions from hidden services:

```
user@host> show sae subscribers session-id secret  
user@host> show sae subscribers session-id filter filter secret
```

To view only the subscriber session information without service sessions:

```
user@host> show sae subscribers session-id brief  
user@host> show sae subscribers session-id filter filter brief
```

To view the subscriber session ID, login name, and IP address:

```
user@host> show sae subscribers session-id terse
user@host> show sae subscribers session-id filter filter terse
```

To restrict the number of displayed results:

```
user@host> show sae subscribers session-id maximum-results maximum-results
user@host> show sae subscribers session-id filter filter maximum-results
maximum-results
```

## Viewing SAE SNMP Information with the CLI

---

You can view state information that is also available through SNMP, including information about counters that describe the SAE history of activity. This information is the same as the information you can view from the SAE SNMP interface.

You can view SNMP information for:

- Directory

See Viewing Statistics About the Directory with the CLI on page 118 and Viewing Statistics for Directory Connections with the CLI on page 118.

- Licenses

See Viewing SNMP Information for Client Licenses with the CLI on page 119, Viewing SNMP Information for Local Licenses with the CLI on page 119, and Viewing SNMP Information for Licenses on Virtual Routers with the CLI on page 120.

- Policies

See Viewing SNMP Information for Policies with the CLI on page 120.

- SAE server process

See Viewing SNMP Information for the SAE Server Process with the CLI on page 120.

- RADIUS clients

See Viewing Statistics for RADIUS Clients with the CLI on page 121 and Viewing SNMP Information for RADIUS Clients with the CLI on page 121.

- Routers and devices

See Viewing Statistics for Device Drivers with the CLI on page 122 and Viewing Statistics for Specific Device Drivers with the CLI on page 122.

- Subscriber and service sessions

See Viewing Statistics for Subscriber and Service Sessions with the CLI on page 123.

## **Viewing Statistics About the Directory with the CLI**

To view statistics about the directory:

```
user@host> show sae statistics directory
SNMP Statistics
Services read          51
Services written       0
Subscriptions read     0
Subscriptions written  0
Users read             0
Users written          0
```

## **Viewing Statistics for Directory Connections with the CLI**

To view statistics for directory connections:

```
user@host> show sae statistics directory connections
DES connection
Connection ID          FEEDBACK_DATA_MANAGER
Number of read         93
Number of write        93
Number of events sent  0
Number of events dropped 0
Average read time      2
Average write time     23
Directory host         127.0.0.1
Directory port         389
Directory type         primary
Primary restore time   83218
Event queue length     0

...

DES connection
Connection ID          ldapAuth-LdapAuthenticator
Number of read         0
Number of write        0
Number of events sent  0
Number of events dropped 0
Average read time      0
Average write time     0
Directory host         127.0.0.1
Directory port         389
Directory type         primary
Primary restore time   83200
Event queue length     0
```

To view information about particular directory connections, specify all or part of the connection ID.

```
user@host> show sae statistics directory connections filter filter
```

For example, if you wanted to view the directory connection that contained ldap in its connection ID:

```
user@host> show sae statistics directory connections filter ldap
DES connection
Connection ID          ldapAuth-LdapAuthenticator
Number of read         0
Number of write        0
Number of events sent  0
Number of events dropped 0
Average read time      0
Average write time     0
Directory host         127.0.0.1
Directory port         389
Directory type         primary
Primary restore time   83608
Event queue length     0
```

To view only the directory connection IDs:

```
user@host> show sae statistics directory connections brief
Directory Connections
FEEDBACK_DATA_MANAGER
EQUIPMENT_DATA_MANAGER
POM_Engine
LICENSE_MANAGER
SAE_ConfigMgr
adminLdap-LdapAuthenticator
SERVICE_DATA_MANAGER
USER_DATA_MANAGER
SAE_ConfigMgr(dynamicProps)
ldapAuth-LdapAuthenticator
```

### Viewing SNMP Information for Client Licenses with the CLI

To view SNMP information about the state of client licenses:

```
user@host> show sae statistics license client
```

### Viewing SNMP Information for Local Licenses with the CLI

To view SNMP information about the state of local licenses:

```
user@host> show sae statistics license local
Client License State
Mode                Pilot
Number of licensed users 100
Number of current users  0
Expiry              2007-02-23
```

## Viewing SNMP Information for Licenses on Virtual Routers with the CLI

To view SNMP information about the state of licenses on specified virtual routers:

```
user@host> show sae statistics license virtual-router
```

To view information about the state of licenses for a particular virtual router, specify all or part of the VR name. For JUNOS router drivers and PCMM drivers, use the format `default@routerName`.

```
user@host> show sae statistics license virtual-router filter filter
```

To view only the virtual router names:

```
user@host> show sae statistics license virtual-router brief
```

## Viewing SNMP Information for Policies with the CLI

To view SNMP information for the policy engine, policy decision point, and the shared object repository where the policy objects are stored:

```
user@host> show sae statistics policy-management
SNMP Statistics
Average time for processing interface classifier modification 0
Average time for processing policy group modification 0
Current total number of policy groups loaded 68
Total number of default policy decisions 0
Total number of errors 0
Total number of interface classifier modifications 0
Total number of policy group modifications 0
Total number of service policy decisions 0
Up time 81107 seconds since Tue Jan 23 19:52:53 EST 2007
```

## Viewing SNMP Information for the SAE Server Process with the CLI

To view SNMP information for the SAE server process:

```
user@host> show sae statistics process
SNMP Statistics
Heap in use 19211 kilo bytes (2%)
Heap limit 910016 kilo bytes
Threads 96
Up time 80877 seconds since Tue Jan 23 19:51:42 EST 2007
```



## Viewing Statistics for RADIUS Clients with the CLI

To view SNMP statistics for RADIUS clients:

```
user@host> show sae statistics radius
SNMP Statistics
Accounting ACKs from unrecognized IP      0
Authentication ACKs from unrecognized IP  0
Radius client ID                          SAE.buffy
```

## Viewing SNMP Information for RADIUS Clients with the CLI

To view SNMP information for RADIUS accounting clients:

```
user@host> show sae statistics radius client accounting
```

To view SNMP information for RADIUS authentication clients:

```
user@host> show sae statistics radius client authentication
```

To view information for a particular RADIUS client by IP address:

```
user@host> show sae statistics radius client ip-address ip-address
user@host> show sae statistics radius client accounting ip-address ip-address
user@host> show sae statistics radius client authentication ip-address ip-address
```

To view information for a particular RADIUS client by UDP port number:

```
user@host> show sae statistics radius client udp-port udp-port
user@host> show sae statistics radius client accounting udp-port udp-port
user@host> show sae statistics radius client authentication udp-port udp-port
```

To view only the RADIUS clients that were accessible by IP address and port number:

```
user@host> show sae statistics radius client brief
user@host> show sae statistics radius client accounting brief
user@host> show sae statistics radius client authentication brief
```

## Viewing SNMP Information for Routers and Devices with the CLI

To view SNMP information for routers and devices that the SAE is managing:

```
user@host> show sae statistics router
```

To view information for a particular router, specify all or part of the VR name. For JUNOS router drivers and PCMM drivers, use the format default@routerName.

```
user@host> show sae statistics router filter filter
```

To view only the RADIUS clients that were accessible by IP address and port number:

```
user@host> show sae statistics router brief
```

## Viewing Statistics for Device Drivers with the CLI

To view SNMP statistics for all device drivers:

```

user@host> show sae statistics router common
SNMP Statistics
Driver type                JUNOSE COPS
Number of close requests   0
Number of connections accepted 0
Number of current connections 0
Number of open requests    0
Server address             0.0.0.0
Server port                3288
Time since last redirect   0

SNMP Statistics
Driver type                PACKETCABLE COPS
Number of close requests   0
Number of connections accepted 0
Number of current connections 0
Number of open requests    0
Server address             0.0.0.0
Server port                0
Time since last redirect   0

SNMP Statistics
Driver type                JUNOS
Number of close requests   0
Number of connections accepted 0
Number of current connections 0
Number of open requests    0
Server address             0.0.0.0
Server port                3333
Time since last redirect   0

```

The value of the server address can be either an IPv4 or IPv6 address, depending on the platform.

## Viewing Statistics for Specific Device Drivers with the CLI

To view SNMP statistics for JUNOS router drivers:

```
user@host> show sae statistics router common junos
```

To view SNMP statistics for JUNOSE router drivers:

```
user@host> show sae statistics router common junose-cops
```

To view SNMP statistics for PCMM device drivers:

```
user@host> show sae statistics router common packetcable-cops
```

To view SNMP statistics for third-party device drivers:

```
user@host> show sae statistics router common proxy
```

For example, to view SNMP statistics for JUNOS router drivers:

```
user@host> show sae statistics router common junos
SNMP Statistics
Driver type                JUNOS
Number of close requests   0
Number of connections accepted 0
Number of current connections 0
Number of open requests    0
Server address             0.0.0.0
Server port                3333
Time since last redirect   0
```

### ***Viewing Statistics for Subscriber and Service Sessions with the CLI***

To view SNMP statistics for subscriber and service sessions:

```
user@host> show sae statistics sessions
SNMP Statistics
Current service sessions           0
Current user sessions              0
Logins (includes sync. and static IP portal logins) 0
Logouts                           0
Service session idle timeouts      0
Service sessions started           0
Service sessions stopped           0
Service session timeouts           0
```

