Chapter 24
Monitoring Admission Control with the SRC CLI

This chapter describes how to use the SRC command-line interface (CLI) to monitor information about the SRC Admission Control Plug-In (SRC-ACP) application. You can use the CLI to monitor admission control on a Solaris platform or on a C-series Controller.

You can also use the C-Web interface to monitor admission control. See *Chapter 25, Monitoring Admission Control with the C-Web Interface*.

Topics in this chapter include:

Viewing Information About Subscriber Sessions in the Edge Network

To display information about the current subscriber sessions in memory:

user@host> **show acp edge subscriber**

To display information about specific subscriber sessions:

user@host> **show acp edge subscriber session-id** *session-id*

Enter all or part of the subscriber session ID to list all matching subscriber sessions.

To display information about the subscriber sessions from a specific virtual router:

user@host> **show acp edge subscriber virtual-router-name** *virtual-router-name*

Enter a virtual router name to list subscriber sessions from a particular virtual router.

To display subscriber session attributes for the current subscriber sessions:

user@host> **show acp edge subscriber brief**

By default, information about the subscriber session attributes, service sessions, and associated congestion points is displayed.

Viewing Information About Congestion Points in the Edge Network

You can display information about edge congestion points by distinguished name (DN) or by subscriber session.

Viewing Edge Congestion Point Information by DN

To display information about edge congestion points by DN:

user@host> **show acp edge congestion-point dn**

To display information about specific congestion points by DN:

user@host> **show acp edge congestion-point dn congestion-point-dn**
congestion-point-dn

Enter a partial congestion point DN to list all matching congestion points.

To display information about specific congestion points that were generated dynamically by instance ID:

user@host> **show acp edge congestion-point dn instance-id** *instance-id*
user@host> **show acp edge congestion-point dn congestion-point-dn**
congestion-point-dn **instance-id** *instance-id*

When a congestion point is dynamically generated with a congestion point profile, the generated instance ID is appended to the congestion point DN. Enter a partial instance ID to list all matching congestion points.

To display information about the congestion points from a specific virtual router:

user@host> **show acp edge congestion-point dn virtual-router-name** *virtual-router-name*

Enter a virtual router name to list congestion points from a particular virtual router.

To display congestion point DNs:

user@host> **show acp edge congestion-point dn brief**

By default, information about the congestion point attributes and congestion point bandwidth usage is displayed.

To restrict the number of displayed results:

user@host> **show acp edge congestion-point dn maximum-results** *maximum-results*

Viewing Edge Congestion Point Information by Subscriber Session

To display information about edge congestion points by subscriber session:

user@host> **show acp edge congestion-point subscriber-session-id**

To display information about specific congestion points by subscriber session:

user@host> **show acp edge congestion-point subscriber-session-id session-id** *session-id*

Enter a partial subscriber session ID to list all matching congestion points.

To display information about the congestion points from a specific virtual router:

user@host> **show acp edge congestion-point subscriber-session-id virtual-router-name** *virtual-router-name*

Enter a virtual router name to list congestion points from a particular virtual router.

To display congestion point DNs:

user@host> **show acp edge congestion-point subscriber-session-id brief**

By default, information about the congestion point attributes and congestion point bandwidth is displayed.

To restrict the number of displayed results:

user@host> **show acp edge congestion-point subscriber-session-id maximum-results** *maximum-results*

Viewing Information About Services in the Backbone Network

To display information about services that SRC-ACP manages in the backbone network:

user@host> **show acp backbone service**

To display information about specific backbone service used to generate congestion points:

user@host> **show acp backbone service service-name** *service-name*

Enter a partial service name to list all matching backbone services.

To display information about the backbone services from a specific virtual router:

user@host> **show acp backbone service virtual-router-name** *virtual-router-name*

Enter a virtual router name to list backbone services from a particular virtual router.

To display backbone service attributes:

user@host> **show acp backbone service brief**

By default, information about the backbone service attributes, service sessions, and associated congestion points is displayed.

Viewing Information About Congestion Points in the Backbone Network

The procedure for displaying information about backbone congestion points is similar to the procedure for displaying information about edge congestion points. However, you have the option of specifying a service, whereas in the edge network you have the option of specifying an identifier for a subscriber session.

You can display information about backbone congestion points by DN or by service.

Viewing Backbone Congestion Point Information by DN

To display information about backbone congestion points by DN:

user@host> **show acp backbone congestion-point dn**

To display information about specific congestion points by DN:

user@host> **show acp backbone congestion-point dn congestion-point-dn** *congestion-point-dn*

Enter a partial congestion point DN to list all matching congestion points.

To display information about the congestion points from a specific virtual router:

user@host> **show acp backbone congestion-point dn virtual-router-name** *virtual-router-name*

Enter a virtual router name to list congestion points from a particular virtual router.

To display congestion point DNs:

user@host> **show acp backbone congestion-point dn brief**

By default, information about the congestion point attributes and congestion point bandwidth usage is displayed.

Viewing Backbone Congestion Point Information by Service

To display information about backbone congestion points by service:

user@host> **show acp backbone congestion-point congestion-point-expression**

To display information about specific backbone services used to generate congestion points:

user@host> **show acp backbone congestion-point congestion-point-expression service-name** *service-name*

Enter a partial service name to list all matching backbone services.

To display information about the backbone services from a specific virtual router:

user@host> **show acp backbone congestion-point congestion-point-expression virtual-router-name** *virtual-router-name*

Enter a virtual router name to list backbone services from a particular virtual router.

To display congestion point DNs:

user@host> **show acp backbone congestion-point congestion-point-expression brief**

By default, information about the congestion point attributes and congestion point bandwidth is displayed.

Viewing Information About Action Congestion Points in the Backbone Network

Backbone congestion points that are configured to run applications are action congestion points. You can display information about action congestion points by service or by congestion point.

Viewing Action Congestion Point Information by Service

To display information about services that SRC-ACP manages in the backbone network:

user@host> **show acp backbone service**

To display information about specific backbone services used to generate congestion points:

user@host> **show acp backbone service service-name** *service-name*

Enter a partial service name to list all matching backbone services.

To display information about the backbone services from a specific virtual router:

user@host> **show acp backbone service virtual-router-name** *virtual-router-name*

Enter a virtual router name to list backbone services from a particular virtual router.

To display backbone service attributes:

user@host> **show acp backbone service brief**

By default, information about the backbone service attributes, service sessions, and associated congestion points is displayed.

Viewing Action Congestion Point Information by Congestion Point

To display information about backbone congestion points by service:

user@host> **show acp backbone congestion-point congestion-point-expression**

To display information about specific backbone services used to generate congestion points:

user@host> **show acp backbone congestion-point congestion-point-expression service-name** *service-name*

Enter a partial service name to list all matching backbone services.

To display information about the backbone services from a specific virtual router:

user@host> **show acp backbone congestion-point congestion-point-expression virtual-router-name** *virtual-router-name*

Enter a virtual router name to list backbone services from a particular virtual router.

To display information about the backbone services from a specific interface:

user@host> **show acp backbone congestion-point congestion-point-expression interface-name** *interface-name*

Enter an interface name to list backbone services from a particular interface.

To display information about the backbone services for a specific interface description:

user@host> **show acp backbone congestion-point congestion-point-expression interface-description** *interface-description*

Enter an interface description to list backbone services for a particular description.

To display information about the backbone services from a specific interface alias:

user@host> **show acp backbone congestion-point congestion-point-expression interface-alias** *interface-alias*

Enter an interface alias to list backbone services from a particular alias.

To display information about the backbone services for a specific NAS port ID:

user@host> **show acp backbone congestion-point congestion-point-expression nasPort-id** *nasPort-id*

Enter a NAS port ID to list backbone services from a particular ID.

To display congestion point DNs:

user@host> **show acp backbone congestion-point congestion-point-expression brief**

By default, information about the congestion point attributes and congestion point bandwidth is displayed.

Viewing Information About Subscribers Obtained from External Applications

To display information about subscribers added through an external application:

user@host> **show acp remote-update subscriber**

To display information about subscribers connected from a specific device:

user@host> **show acp remote-update subscriber device-name** *device-name*

Enter a device name to list subscribers connected from a particular device.

To display information about specific subscribers connected from a specific interface:

user@host> **show acp remote-update subscriber nas-port-id** *nas-port-id*

Enter the NAS port ID of interface to list all matching subscribers connected from a particular interface.

To display information about specific subscribers connected from a specific NAS IP address:

user@host> **show acp remote-update subscriber nas-ip** *nas-ip*

Enter the NAS IP address of the device to list all matching subscribers connected from a particular device.

To display information about specific subscribers connected from a specific subscriber IP address:

user@host> **show acp remote-update subscriber subscriber-ip** *subscriber-ip*

Enter the subscriber IP address to list all matching subscribers connected from a particular address.

To display information about the subscribers from a specific phone number:

user@host> **show acp remote-update subscriber phone** *phone*

Enter a phone number to list subscribers from a particular phone number.

To display subscriber attributes:

user@host> **show acp remote-update subscriber brief**

By default, information about the subscriber attributes, service sessions, and associated congestion points is displayed.

Viewing Information About Congestion Points Added Through an External Application

You can display information about congestion points added through an external application by DN or by interface name.

Viewing Congestion Point Information by DN

To display information about congestion points added through an external application by DN:

user@host> **show acp remote-update congestion-point dn**

To display information about specific congestion points by DN:

user@host> **show acp remote-update congestion-point dn congestion-point-dn** *congestion-point-dn*

Enter a partial congestion point DN to list all matching congestion points.

To display congestion point DNs:

user@host> **show acp remote-update congestion-point dn brief**

By default, information about the congestion point attributes and congestion point bandwidth usage is displayed.

Viewing Congestion Point Information by Name

To display information about congestion points added through an external application by interface name:

user@host> **show acp remote-update congestion-point name**

To display information about congestion points connected from a specific device:

user@host> **show acp remote-update congestion-point name device-name** *device-name*

Enter a device name to list congestion points connected from a particular device.

To display information about specific subscribers connected from a specific interface:

user@host> **show acp remote-update congestion-point name interface-name** *interface-name*

Enter the interface name to list all matching congestion points connected from a particular interface.

To display congestion point DN:

user@host> **show acp remote-update congestion-point name brief**

By default, information about the congestion point attributes and congestion point bandwidth usage is displayed.

Viewing SNMP Information for Devices

To display statistics for SNMP information about each device:

user@host> **show acp statistics device**

To display statistics for SNMP information about specific devices:

user@host> **show acp statistics device filter** *filter*

Enter a partial device name to list information for all matching devices.

Viewing SNMP Information for the Directory

To display statistics for directory SNMP information:

user@host> **show acp statistics directory**

Viewing SNMP Information for SRC-ACP

To display statistics for SRC-ACP SNMP information:

user@host> **show acp statistics general**