

Chapter 26

Monitoring Subscriber Interfaces

This chapter describes how to monitor static and dynamic subscriber interfaces for remote access to the E-series router. This chapter contains the following sections:

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- Monitoring Subscriber Interfaces on page 527
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Monitoring Subscriber Interfaces Overview

The state of the subscriber interface is determined by state of the Ethernet interface and the existence of the primary IP interface, which you can monitor with the **show ip interface** command. For information about using the **show ip interface** command, see *Monitoring IP* in *JUNOS IP Services Configuration Guide, Chapter 1, Configuring IP*.

You can use the **show ip demux interface** command to monitor the configuration of subscriber interfaces.

Monitoring Subscriber Interfaces

Purpose Display information about subscriber interfaces.

Action

```
host1#show ip demux interface fastEthernet 2/0
Prefix/Length    SA/DA  Subscriber-Intf  VR/VRF    Description
10.12.2.2/32     SA     ip subsc1       3         subsc1@test
10.12.2.3/32     SA     ip subsc2       3         subsc2@test
10.12.2.4/32     SA     ip subsc3       3         subsc3@test
10.12.2.5/32     SA     ip subsc4       3         subsc4@test
```

Meaning Table 105 lists the **show ip demux interface** command output fields.

Table 105: show ip demux interface Output Fields

Field Name	Field Description
Prefix/Length	Source or destination addresses that the subscriber interface demultiplexes
SA/DA	Demultiplexing method for subscriber interface

Table 105: show ip demux interface Output Fields (continued)

Field Name	Field Description
SA	Source address
DA	Destination address
Subscriber-Intf	Name of shared interface on which subscriber interface is configured
VR/VRF	Name of virtual router (VR) or VPN routing and forwarding (VRF) instance on which the subscriber interface is configured
Description	Text description for the IP interface on which subscriber interface is configured (added with the ip description command)

Related Topics

- **show ip demux interface** command

Monitoring Active IP Subscribers Created by Subscriber Management

Purpose Display information about active IP subscribers that were created by the JUNOS software's subscriber management feature.

Action `host1#show ip-subscriber 2835349506`

Id	User Name	Ip Address	Virtual Router	Interface
2835349506	user1@isp1.com	192.168.0.1	default	ip192.168.0.1

Id	Login time
2835349506	WED AUG 23 20:46:24 2006

`host1#show ip-subscriber detail`

Subscriber List				
Id	User Name	Ip Address	Virtual Router	Interface
2835349506	user1@isp1.com	192.168.0.1	default	ip192.168.0.1

Id	Login Time	Mac Address	Profile Handle
2835349506	WED AUG 23 20:46:24 2006	3000.0001.9365	13631489

Id	Interface Profile	Service Profile	Option 82
2835349506	myProfile	profile22	FastEthernet 3/1

Meaning Table 106 lists the **show ip-subscriber** command output fields.

Table 106: show ip-subscriber Output Fields

Field Name	Field Description
Id	ID of the subscriber
User Name	Username used to retrieve information from RADIUS for the subscriber interface
Ip Address	IP address of the subscriber interface
Virtual Router	Name of the virtual router on which the subscriber interface is configured
Interface	Name of subscriber interface; ip indicates that subscriber manager created this interface
Login Time	Day, date, and time that the subscriber logged in
Mac Address	MAC address of the subscriber
Profile Handle	AAA profile handle
Interface Profile	Interface profile name used to configure the subscriber interface
Service Profile	IP service profile name used by subscriber management to authorize and configure the subscriber interface with AAA
Option 82	DHCP relay agent information (option 82) circuit identifier that describes the physical interface location associated with the subscriber

Related Topics

- **show ip-subscriber** command

