



ATM VP Average Traffic Rate

First Published: April 5, 2008

Last Updated: October 2, 2009

The ATM VP Average Traffic Rate feature is a subscriber and Virtual Path (VP) traffic reporting feature that enables you to display the 5-minute traffic rates on VP counters.

Finding Feature Information

Your software release may not support all the features documented in this module. For the latest feature information and caveats, see the release notes for your platform and software release. To find information about the features documented in this module, and to see a list of the releases in which each feature is supported, see the [“Feature Information for ATM VP Average Traffic Rate”](#) section on page 5.

Use Cisco Feature Navigator to find information about platform support and Cisco IOS and Catalyst OS software image support. To access Cisco Feature Navigator, go to <http://www.cisco.com/go/cfn>. An account on Cisco.com is not required

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Information About the ATM VP Average Traffic Rate Feature

The ATM VP Average Traffic Rate feature is a subscriber and VP traffic reporting feature that enables you to display the 5-minute traffic rates on VP counters. This feature extends the **show atm vp** command to provide rate information. Minute counters on the ATM VPs support the **show atm vp** command.

**Note**

In releases prior to Cisco IOS Release 12.2(33)SB, the router supported only the packet and byte counters at the VP and virtual circuit (VC) level. VP-based rate counters were not supported.

In Cisco IOS Release 12.2(33)SB and later releases, the ATM VP Average Traffic Rate feature provides support for VP-based rate counters and enables you to display the average traffic load on the VP for the last 5 minutes. The duration of the counters is set at 5 minutes average.

The ATM VP Average Traffic Rate feature is enabled by default and requires no configuration.

Displaying 5-Minute Traffic Rates

Perform the tasks in this section to display the 5-minute traffic rates. Use the following command in privileged EXEC mode:

SUMMARY STEPS

1. **enable**
2. **configure terminal**
3. **show atm vp vpi**
4. **exit**

DETAILED STEPS

	Command or Action	Purpose
Step 1	enable Example: Router> enable	Enters privileged EXEC mode. • Enter your password if prompted.
Step 2	configure terminal Example: Router# configure terminal	Enters global configuration mode.

	Command or Action	Purpose
Step 3	show atm vp <i>vpi</i> Example: Router# show atm vp 100	Displays statistical information, including the 5-minute traffic rate (when you specify the <i>vpi</i> argument), for all VPs on an interface or for a specific VP. (Optional) The <i>vpi</i> argument is the ATM network virtual path identifier (VPI) of the permanent virtual path. The range is from 0 to 255. The VPI is an 8-bit field in the header of the ATM cell.
Step 4	Router# exit Example: Router# exit	Exits the current configuration mode.

Examples for 5-Minute Traffic Rates

The following is sample output from the **show atm vp** command. The output displays the 5-minute traffic rates for VP 100:

```
Router# show atm vp 100
```

```
ATM4/0/0 VPI: 100, PeakRate: 1000, CesRate: 0, CDVT: 140.0 Usecs, DataVCs: 0
      CesVCs: 0, Status: ACTIVE
```

VCD	VCi	Type	InPkts	OutPkts	AAL/Encap	Status
1	100	PVC	3915	3914	AAL5-SNAP	ACTIVE

```
TotalInPkts: 3915, TotalOutPkts: 3914, TotalInFast: 0, TotalOutFast: 0, TotalBroadcasts: 0
5 Min Average Input Rate 312 packets/sec, 269336 bits/sec
5 Min Average Output Rate 311 packets/sec, 269256 bits/sec
TotalInPktDrops: 0, TotalOutPktDrops: 0
Total subscribed rate of active VC's: 100
```

The following example shows the 5-minute traffic rates for VP 21:

```
Router# show atm vp 21
```

```
ATM4/0/0 VPI: 21, PeakRate: 3222, CesRate: 0, CDVT: 140.0 Usecs, DataVCs: 0
      CesVCs: 0, Status: ACTIVE
```

VCD	VCi	Type	InPkts	OutPkts	AAL/Encap	Status
1	3	PVC	0	0	F4 OAM	DOWN
2	4	PVC	0	9882	F4 OAM	DOWN

```
TotalInPkts: 0, TotalOutPkts: 9882, TotalInFast: 0, TotalOutFast: 0, TotalBroadcasts: 0
5 Min Average Input Rate: 0 packets/sec, 0 bits/sec
5 Min Average Output Rate: 0 packets/sec, 32 bits/sec
TotalInPktDrops: 0, TotalOutPktDrops: 0
Total subscribed rate of active VC's: 0
```

Additional References

The following sections provide references related to the ATM VP Average Traffic Rate feature.

Related Documents

Related Topic	Document Title
show atm vp command	Cisco IOS Asynchronous Transfer Mode Command Reference

Standards

Standard	Title
No new or modified standards are supported by this feature, and support for existing standards has not been modified by this feature.	—

MIBs

MIB	MIBs Link
No new or modified MIBs are supported by this feature, and support for existing MIBs has not been modified by this feature.	To locate and download MIBs for selected platforms, Cisco IOS releases, and feature sets, use Cisco MIB Locator found at the following URL: http://www.cisco.com/go/mibs

RFCs

RFC	Title
No new or modified RFCs are supported by this feature, and support for existing RFCs has not been modified by this feature.	—

Technical Assistance

Description	Link
The Cisco Support website provides extensive online resources, including documentation and tools for troubleshooting and resolving technical issues with Cisco products and technologies. To receive security and technical information about your products, you can subscribe to various services, such as the Product Alert Tool (accessed from Field Notices), the Cisco Technical Services Newsletter, and Really Simple Syndication (RSS) Feeds. Access to most tools on the Cisco Support website requires a Cisco.com user ID and password.	http://www.cisco.com/techsupport

Feature Information for ATM VP Average Traffic Rate

Table 1 lists the release history for this feature.

Not all commands may be available in your Cisco IOS software release. For release information about a specific command, see the command reference documentation.

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Note

Table 1 lists only the Cisco IOS software release that introduced support for a given feature in a given Cisco IOS software release train. Unless noted otherwise, subsequent releases of that Cisco IOS software release train also support that feature.

Table 1 Feature Information for ATM VP Average Traffic Rate

Feature Name	Releases	Feature Information
ATM VP Average Traffic Rate	12.2(33)SB 12.2(33)SRE 15.0(1)M	The ATM VP Average Traffic Rate feature is a subscriber and VP traffic reporting feature that enables you to display the 5-minute traffic rates on VP counters. This feature was introduced on the Cisco 10000 series router for the PRE2, PRE3, and PRE4. The show atm vp command was modified in this feature.

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