

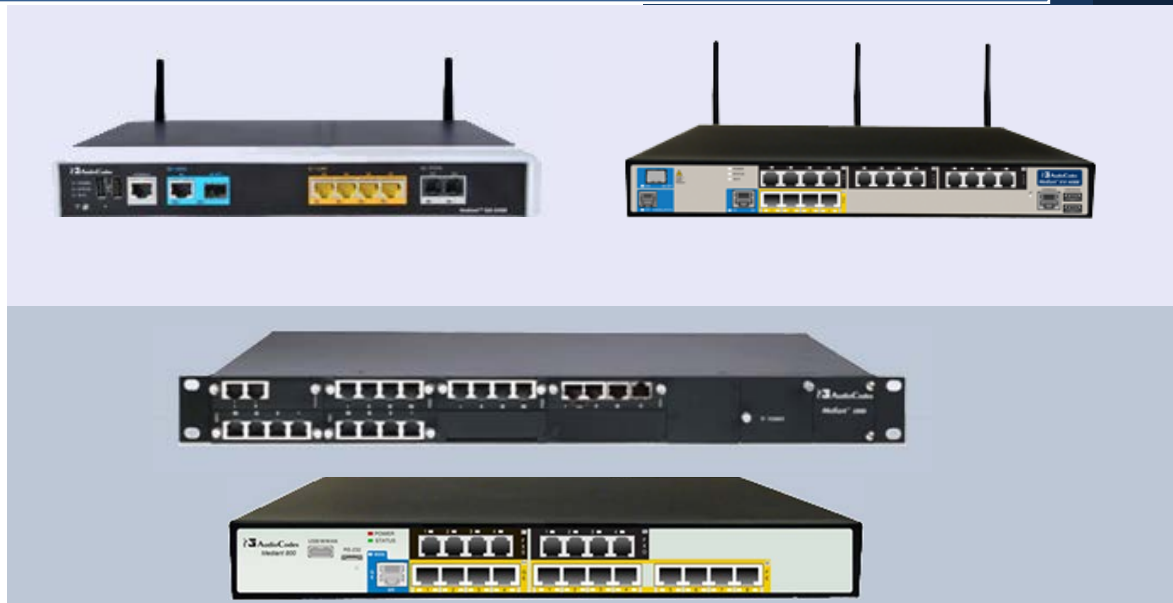
Session Border Controllers (E-SBC)

Multi-Service Business Routers (MSBR)

VoIP Analog & Digital Media Gateways

Configuration Note

Traffic Reporting using NetFlow Protocol



May 2013

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This document describes how to configure the MSBR Series devices to support traffic flow reporting using the NetFlow protocol.

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Related Documentation

Manual Name
Mediant 500 MSBR SIP User's Manual
Mediant 800 MSBR SIP User's Manual
Mediant 850 MSBR SIP User's Manual
Mediant 1000B MSBR SIP User's Manual

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1 Overview

Starting from firmware version 6.60.010.019, MSBR devices (Mediant 500 MSBR, Mediant 800 MSBR, Mediant 850 MSBR and Mediant 1000B MSBR) support traffic flow reporting using the NetFlow protocol.

NetFlow is a standard management protocol for collecting statistics such as the number of packets transmitted and connection time for individual network connections.

When NetFlow is enabled, MSBR operators can record historic information on a central server (called a "Collector" in NetFlow terminology) for every session – or "flow" – of traffic traversing the MSBR.

Reader's Notes

2 Configuration

The table below summarizes the NetFlow configuration settings using CLI commands:

Command	Default Value	Notes
<code>[no] ip flow-export enable</code>	Disabled	Enables or disables NetFlow reporting to the designated central server (NetFlow Collector).
<code>ip flow-export destination [A.B.C.D] [port]</code>	(none)	Sets IP address and port of the NetFlow Collector.
<code>ip flow-export version [5 9] enable</code>	Version 5	Selects NetFlow protocol version.



Note: Make sure that the configured NetFlow protocol version (5 or 9) is compatible with the currently installed NetFlow Collector version.

Reader's Notes

3 Configuration Example

The following example shows the configuration of an MSBR used for Internet access via ADSL, where traffic flow information is sent to a central NetFlow Collector.

```
# configure data
(config-data)# ip flow-export destination 108.52.1.77.2055
(config-data)# ip flow-export version 5 enable
(config-data)# ip flow-export enable
(config-data)# interface dsl 0/0
(config-data)# mode adsl
(config-data)# no shutdown
(config-data)# exit
(config-data)# interface ATM 0/0
(config-data)# encapsulation pppoe
(config-data)# pvc 8/48
(config-data)# ppp user msbr password <msbrpassword>
(config-data)# firewall enable
(config-data)# napt
(config-data)# no shutdown
(config-data)# exit
(config-data)# interface VLAN 1
(config-data)# ip address 192.168.1.1.255.255.255.0
(config-data)# service dhcp
(config-data)# no shutdown
(config-data)# exit
(config-data)# ip route 0.0.0.0 0.0.0.0 ATM 0/0
(config-data)# exit
```



Configuration Note