Reverse Flow Metadata Support

The Reverse Flow Metadata Support feature creates reverse metadata flow sessions to act as proxy and signal metadata, and support QoS for the reverse session. The reverse sessions are created using the attributes of the forward session.

Finding Feature Information

Your software release may not support all the features documented in this module. For the latest caveats and feature information, see Bug Search Tool and 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 table at the end of this module.

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

Information About Reverse Flow Metadata Support

Metadata Reverse Flows

End devices provisioned with metadata producers such as Media Services Interface (MSI), Media Services Proxy (MSP), and Network Based Application Recognition (NBAR) add flows to metadata database. When an end device cannot signal metadata, a reverse metadata flow session is created to act as a proxy and signal metadata, and support QoS for the reverse session. The reverse sessions are created using the attributes of a forward session. The reverse flow session is enabled only on the device, which is connected to the endpoint

and cannot signal metadata. That is when the device is not provisioned with a metadata producer such as MSP, MSI or NBAR.

How to Configure Reverse Flow Metadata Support

Configuring Reverse Flow Metadata Support

SUMMARY STEPS

1. **enable**
2. **configure terminal**
3. **metadata flow**
4. **metadata flow reverse transmit**
5. **exit**

DETAILED STEPS

	Command or Action	Purpose
Step 1	**enable** **Example:** `Device> enable`	Enables privileged EXEC mode. 　• Enter your password if prompted.
Step 2	**configure terminal** **Example:** `Device# configure terminal`	Enters global configuration mode.
Step 3	**metadata flow** **Example:** `Device(config)# metadata flow`	Enables metadata on a device.
Step 4	**metadata flow reverse transmit** **Example:** `Device(config)# metadata flow reverse transmit`	Enables reverse metadata information flows for the forward sessions.
Step 5	**exit** **Example:** `Device(config)# end`	Returns to privileged EXEC mode.

How to Configure Reverse Flow Metadata Support

Example: Configuring Reverse Flow Metadata Support

The following example shows how to enable reverse flow of metadata information in Global configuration mode:

```
Device> enable
Device# configure terminal
Device(config)# metadata flow
Device(config)# metadata flow reverse transmit
Device(config)# exit
```

The following example shows how to enable reverse flow of metadata information in Interface configuration mode:

```
Device> enable
Device# configure terminal
Device(config)# metadata flow
Device(config)# interface Ethernet 0/1
Device(config-if)# metadata flow reverse transmit
Device(config)# exit
```

Additional References

Related Documents

Related Topic	Document Title
Cisco IOS commands	Master Command List, All Releases
Metadata commands	Quality of Service Solutions Command Reference

Technical Assistance

Description	Link
The Cisco Support and Documentation website provides online resources to download documentation, software, and tools. Use these resources to install and configure the software and to troubleshoot and resolve technical issues with Cisco products and technologies. Access to most tools on the Cisco Support and Documentation website requires a Cisco.com user ID and password.	http://www.cisco.com/cisco/web/support/index.html

Feature Information for Reverse Flow Metadata Support

The following table provides release information about the feature or features described in this module. This table lists only the software release that introduced support for a given feature in a given software release train. Unless noted otherwise, subsequent releases of that software release train also support that feature.

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Table 1: Feature Information for Reverse Flow Metadata Support

Feature Name	Releases	Feature Information
Reverse Flow Metadata Support	15.4(1)T 15.4(1)S 15.2(1)SY	Reverse metadata flow sessions are created to act as a proxy and signal metadata, and support QoS for the reverse session. The reverse sessions are created using the attributes of the forward session. The following commands were introduced or modified: **metadata flow reverse transmit** .