



ATM SVC Troubleshooting Enhancements

Feature History

| Release | Modification |
|----------|------------------------------|
| 12.2(8)T | This feature was introduced. |

This document describes the ATM SVC Troubleshooting Enhancements feature in Cisco IOS Release 12.2(8)T. It includes the following sections:

- [Feature Overview, page 1](#)
- [Supported Platforms, page 2](#)
- [Supported Standards, MIBs, and RFCs, page 3](#)
- [Prerequisites, page 3](#)
- [Configuration Tasks, page 3](#)
- [Monitoring and Maintaining ATM SVCs, page 3](#)
- [Configuration Examples, page 3](#)
- [Command Reference, page 4](#)

Feature Overview

The ATM SVC Troubleshooting Enhancements feature introduces two new debug commands: **debug atm native** and **debug atm nbma**. These commands can be used to troubleshoot ATM switched virtual circuits (SVCs). The **debug atm nbma** and **debug atm native** commands are used to debug problems with Resource Reservation Protocol (RSVP) SVC creation and teardown. The **debug atm native** command can also be used to debug problems with SVCs created using static maps.

Benefits

The ATM SVC Troubleshooting Enhancements feature provides two debug commands that can be used to troubleshoot ATM SVCs that were created using static maps or RSVP.



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Restrictions

The **debug atm nmba** command can be used only to debug RSVP SVCs. The **debug atm native** command can be used only to debug problems with RSVP SVCs or SVCs that were created using static maps.

Related Documents

- *Cisco IOS Wide-Area Networking Configuration Guide*, Release 12.2
- *Cisco IOS Wide-Area Networking Command Reference*, Release 12.2

Supported Platforms

- Cisco 2600 series
- Cisco 3620
- Cisco 3631
- Cisco 3640
- Cisco 3660
- Cisco 3725
- Cisco 3745
- Cisco 7200 series
- Cisco 7500 series
- Cisco MC3810 series
- Universal Router Module (URM) for Cisco IGX 8400

Determining Platform Support Through Cisco Feature Navigator

Cisco IOS software is packaged in feature sets that support specific platforms. To get updated information regarding platform support for this feature, access Cisco Feature Navigator. Cisco Feature Navigator dynamically updates the list of supported platforms as new platform support is added for the feature.

Cisco Feature Navigator is a web-based tool that enables you to quickly determine which Cisco IOS software images support a specific set of features and which features are supported in a specific Cisco IOS image. You can search by feature or release. Under the release section, you can compare releases side by side to display both the features unique to each software release and the features in common.

To access Cisco Feature Navigator, you must have an account on Cisco.com. If you have forgotten or lost your account information, send a blank e-mail to cco-locksmith@cisco.com. An automatic check will verify that your e-mail address is registered with Cisco.com. If the check is successful, account details with a new random password will be e-mailed to you. Qualified users can establish an account on Cisco.com by following the directions at <http://www.cisco.com/register>.

Cisco Feature Navigator is updated regularly when major Cisco IOS software releases and technology releases occur. For the most current information, go to the Cisco Feature Navigator home page at the following URL:

<http://www.cisco.com/go/fn>

Supported Standards, MIBs, and RFCs

Standards

API Semantics for Native ATM Services, ATM Forum, February 1999

MIBs

No new or modified MIBs are supported by this feature.

To obtain lists of supported MIBs by platform and Cisco IOS release, and to download MIB modules, go to the Cisco MIB website on Cisco.com at the following URL:

<http://www.cisco.com/public/sw-center/netmgmt/cmtk/mibs.shtml>

RFCs

No new or modified RFCs are supported by this feature.

Prerequisites

The tasks in this document assume that ATM SVCs or RSVP SVCs are already created.

Configuration Tasks

None.

Monitoring and Maintaining ATM SVCs

To monitor and maintain RSVP SVCs or ATM SVCs that were created using static maps, use the following commands in privileged EXEC mode:

| Command | Purpose |
|---|--|
| Router# <code>debug atm native</code> {[api] [conn] [error] [filter]} | Displays Native ATM API events. |
| Router# <code>debug atm nbma</code> [api] | Displays NBMA API events during the creation of RSVP SVCs. |

Configuration Examples

None.

Command Reference

The following commands are introduced or modified in the feature or features documented in this module. For information about these commands, see the *Cisco IOS Asynchronous Transfer Mode Command Reference* at http://www.cisco.com/en/US/docs/ios/atm/command/reference/atm_book.html. For information about all Cisco IOS commands, go to the Command Lookup Tool at <http://tools.cisco.com/Support/CLILookup> or to the *Cisco IOS Master Commands List*.

- **debug atm native**
- **debug atm nbma**

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