



Release Notes for Cisco ONS 15454 Release 9.0.2

OL-21473-01
January 2010

Release notes address closed (maintenance) issues, caveats, and new features for the Cisco ONS 15454 SONET platform. For detailed information regarding features, capabilities, hardware, and software introduced with this release, refer to the “Release 9.0” version of the *Cisco ONS 15454 Procedure Guide*; *Cisco ONS 15454 Reference Manual*; *Cisco ONS 15454 Troubleshooting Guide*; and *Cisco ONS 15454 SONET TLI Command Guide*. For the latest version of the Release Notes for Cisco ONS 15454 Release 9.0.2, visit the following URL:

http://www.cisco.com/en/US/products/hw/optical/ps2006/prod_release_notes_list.html

Cisco also provides Bug Toolkit, a web resource for tracking defects. To access Bug Toolkit, see the following URL:

<http://tools.cisco.com/Support/BugToolKit/action.do?hdnAction=searchBugs>

Contents

[Changes to the Release Notes, page 5](#)

[Using the Bug Toolkit, page 1](#)

[New Features and Functionality, page 4](#)

[Related Documentation, page 8](#)

[Obtaining Documentation and Submitting a Service Request, page 9](#)

Using the Bug Toolkit

In Cisco ONS 15454 Software Release 9.0 and later, use the Bug Toolkit to view the list of outstanding and resolved bugs in a release. The following sections explain how to use the Bug Toolkit.



Americas Headquarters:
Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA

© 2010 Cisco Systems, Inc. All rights reserved.

Search Bugs

This section explains how to use Bug ToolKit to search for a specific bug or to search for all the bugs in a specified release.

Step 1 Go to <http://tools.cisco.com/Support/BugToolKit/action.do?hdnAction=searchBugs> and click **Launch Bug Toolkit**.

You will be prompted to log into Cisco.com.

Step 2 To search for a specific bug, enter the bug ID in the **Search for Bug ID** field and click **Go** in the Search Bugs tab.

To search for all the bugs in a specified release, enter the following search criteria in the Search Bugs tab:

- Select Product Category—Select **Optical Networking**.
- Select Products—Select **Cisco ONS 15400 Series** from the list.
- Software Version—Select **9.0.2** to view the list of outstanding and resolved bugs in Cisco ONS 15454 Software Release 9.0.2. The generated list includes bugs for Cisco ONS 15454 Software Release 9.0.2 and Cisco ONS 15454 Software Release 9.0.2.
- Search for Keyword(s)—Separate search phrases with boolean expressions (AND,NOT,OR) to search within the bug title and details.
- Advanced Options—You can either perform a search using the default search criteria or define custom criteria for an advanced search. To customize the advanced search, select **Use custom settings for severity, status, and others** and provide the following information:

- Severity—Select the severity level. Check severity levels 1, 2, and 3.

- Status—Select **Open**, **Fixed**, or **Terminated**.

Select **Open** to view all the open bugs. To filter the open bugs, clear the Open check box and select the appropriate suboptions that appear below the Open check box. The suboptions are New, Held, More, Open, Waiting, Assigned, Forwarded, Postponed, Submitted, and Information Required. For example, if you want to view only new bugs in Cisco ONS 15454 Software Release 9.0, select **New**.

Select **Fixed** to view fixed bugs. To filter fixed bugs, clear the Fixed check box and select the appropriate suboptions that appear below the fixed check box. The suboptions are **Resolved** or **Verified**.

Select **Terminated** to view terminated bugs. To filter terminated bugs, clear the Terminated check box and select the appropriate suboptions that appear below the terminated check box. The suboptions are **Closed**, **Junked**, and **Unreproducible**. Select multiple options as required.

- Advanced—Select the **Show only bugs containing bug details** check box to view only those bugs that contain detailed information, such as symptoms and workarounds.

- Modified Date—Select this option if you want to filter bugs based on the date on which the bugs were last modified.

- Results Displayed Per Page—Select the appropriate option from the list to restrict the number of results that appear per page.

Step 3 Click **Search**.

The Bug Toolkit displays the Search Results page with a list of bugs based on the specified search criteria. You can filter the search results based on severity, status, and/or technology.

Save Bugs

This section explains how to use Bug ToolKit to save the bugs retrieved by your search for the bugs in a specific release.

-
- Step 1** Perform a search.
Repeat [Step 1](#) through [Step 3](#) in the “[Search Bugs](#)” section on page 2.
- Step 2** Select the check boxes next to the bug you want to save in the Search Results page and click **Save Checked**.
The Save Bug Settings area appears under the Search Bugs tab.
- Step 3** Specify group settings in the **Place in Group** field.
- Existing Group—Select an existing group.
 - Create New Group—Enter a group name to create a new group.
- Existing groups have their group notification options already set. If you select an existing group, go to [Step 5](#).
- Step 4** Specify the following email update (group notification) options.
- No emailed updates—Select if you do not want to receive email updates.
 - Yes, email updates to—Enter your email address.
 - On a schedule—Specify the frequency of email delivery.
- Step 5** Click **Save Bug**.
The Bug ToolKit saves the selected bugs in the specified group.
-

Save Search

This section explains how to use Bug ToolKit to save your search after searching for the bugs in a specific release.

-
- Step 1** Perform a search.
Repeat [Step 1](#) through [Step 3](#) in the “[Search Bugs](#)” section on page 2.
- Step 2** Click **Save Search** in the Search Results page to save your search with the specified criteria.
The Save Search Settings area appears under the My Notifications tab.
- Step 3** Enter a name for your search in the **Search Name** field.
- Step 4** Specify group settings in the **Place in Group** field.
- Existing Group—Select an existing group.
 - Create New Group—Enter a group name to create a new group.
- Existing groups have their group notification options already set. If you select an existing group, go to [Step 6](#).
- Step 5** Specify the following email update (group notification) options.
- No emailed updates—Select if you do not want to receive email updates.

- Yes, email updates to—Enter your email address.
 - On a schedule—Specify the frequency of email delivery.

Step 6 Click **Save Search**.

The Bug ToolKit saves your search in the specified group.

Retrieve Saved Search or Bugs

This section explains how to use Bug ToolKit to retrieve a saved search or bugs.

Step 1 Go to <http://tools.cisco.com/Support/BugToolkit/action.do?hdnAction=searchBugs> and click **Launch Bug Toolkit**.

You will be prompted to log into Cisco.com.

Step 2 Click **My Notifications** tab.

My Notifications tab displays the Group Name, Summary, and Actions.

Step 3 Click the group in the Group Name column. The group contains saved search and bugs.

Step 4 Retrieve saved search or bugs.

- Click the saved search name to display the Search Results page.
- Click the saved bug to display details or hover your mouse pointer over the Info link.

The My Notifications tab also provides option to delete bug, delete search, delete group, edit group notifications (in the Actions column), move selected saved search or bugs to different group, and to export saved bugs in all the groups to a spreadsheet.

Export to Spreadsheet

The Bug ToolKit provides the following options to export bugs to a spreadsheet:

- Click **Export All to Spreadsheet** link in the Search Results page under the Search Bugs tab. Specify file name and folder name to save the spreadsheet. All the bugs retrieved by the search will be exported.
- Click **Export All to Spreadsheet** link in the My Notifications tab. Specify file name and folder name to save the spreadsheet. All the saved bugs in all the groups will be exported.

If you are unable to export the spreadsheet, log into the Technical Support Website at <http://www.cisco.com/cisco/web/support/index.html> for more information or call Cisco TAC (1-800-553-2447).

New Features and Functionality

No new software features are included in Release 9.0.2.

Changes to the Release Notes

This section documents supplemental information that has been added to the *Release Notes for Cisco ONS 15454 Release 9.0* since the production of the Cisco ONS 15454 System Software CD for Release 9.0.

Caveats

Review the notes listed below before deploying the Cisco ONS 15454. Caveats with tracking numbers are known system limitations that are scheduled to be addressed in a subsequent release. Caveats without tracking numbers are provided to point out procedural or situational considerations when deploying the product.

Data I/O Cards

This section documents caveats for Data I/O Cards in Release 9.0.2.

CSCsz79019 —GE_XP cards reboot when changing from UNI to NNI mode

GE_XP cards reboot when changing from UNI to NNI mode and when configuring QinQ via TL1. In addition, any traffic flowing through the card stops and the card gives an equipment failure alarm.

Change the UNI mode of the port via CTC to NNI and the QinQ mode to Selective.

This issue will be resolved in a future release.

CSCtd48197—Unable to set Egress bandwidth limiting in GE_XPE cards

Traffic flow is observed even when Egress bandwidth limit is set in GE_XPE cards. This issue will be resolved in a future release.

CSCtd50130—Loop is created when FAPS protection is disabled in fail state and enabled

If FAPS protection is disabled in a fail state (one of the trunk is disabled or any there are other failures) and again enabled, a loop is formed. This condition occurs if the card is selected as a Master or Slave. To fix the issue, soft reset the card.

This issue will be resolved in a future release.

Resolved Caveats for Release 9.0.2

This section documents caveats resolved in Release 9.0.2.

CTC

This section documents resolved caveats for CTC in Release 9.0.2.

CSCtc03224—Incorrect display of NE role in the CTM

The NE (network element) role is displayed incorrectly or the roles flap in Cisco Transport Manager (CTM) in out of memory.

This issue has been resolved.

Data I/O Cards

This section documents resolved caveats for Data I/O Cards in Release 9.0.2.

CSCtc83429—Loop is created when untagged PIM packets are sent to a GE_XP card

A loop is created in the ring when untagged Protocol Independent Multicast (PIM) packets are sent to a GE_XP card that is being reset.

This issue has been resolved.

CSCtd57898—Upgrading R8.0 to R9.02 stops traffic on a VLAN range

When software is upgraded from R8.0 to R9.02, with VLAN-range configured on UNI ports, and FAPS is configured in a mix of GE_XP and 10GE_XP ring, traffic stops.

This issue has been resolved.

CSCsz91519—PIM packets with invalid tags are forwarded to the CPU on both NNI and UNI ports

Untagged packets on NNI ports are forwarded to CPU. Unknown VLAN tagged packets on UNI ports are also forwarded to the CPU. Ideally, the packets should be dropped in both the cases.

- If IGMP is not enabled on an SVLAN, ports are not added to the PIM FP.
- If static router port is enabled on the card, the PIM FP entry is removed and the PIM packets will not be forwarded to the CPU. However, if static router port is disabled the PIM FP entry is recreated.
- If a NNI port is changed to an UNI port, the port will be immediately removed from the PIM FP. After this any PIM packets coming through this port will not be forwarded to the CPU.
- If a UNI port is changed to NNI port and an IGMP enabled SVLAN is enabled on this port, it is immediately added to the PIM FP entry. Control packets (PIM packets) will be forwarded to CPU.

This issue has been resolved.

CSCtc44604—First 32 DCC Area IDs are restored after the upgrade

Only the first 32 data communications channel (DCC) area IDs are restored after an upgrade from an older software release to R9.0.1.

This issue has been resolved.

CSCtb33916—After an upgrade, traffic is discarded on a newly created VLAN

The traffic does not flow in a newly created VLAN under the following conditions:

- Software upgraded from R8.5 to R9.0 or R9.0.1

- After a soft reset of the card.

This issue has been resolved.

CSCtc61031—Untagged PIM Packets on NNI port causes a Loop

A loop is created when untagged Protocol Independent Multicast (PIM) packets are sent on the Network-to-Network Interfaces (NNI) ports.

This issue has been resolved.

CSCsy84669—NNI ports forward the IGMP packets with SVLAN that are not configured

All the Network-to-Network Interfaces (NNI) ports receive Internet Group Management Protocol (IGMP) control packets, even though they are not part of IGMP VLAN. As a result, even if an NNI port is not configured for a VLAN on which the IGMP is enabled, it continues to receive IGMP control packets.

This issue has been resolved.

CSCtc66943—Link does not come up when autonegotiation is enabled

The link fails to come up when the CE-1000-4 card and the HP ProCurve Switch are connected, and autonegotiation is enabled on both ends of the circuit.

This issue has been resolved.

CSCsw69274—CTM hangs when SVLAN circuit discovery is launched

SVLAN circuit discovery launched from the Cisco Transport Manager (CTM) hangs and circuits are not displayed.

This issue has been resolved.

CSCtc98846—Loop is created even when the IGMP snooping is disabled

A loop is created when untagged Protocol Independent Multicast (PIM) packets are sent on the Network-to-Network Interfaces (NNI) ports.

This issue has been resolved.

CSCsu67371—Traffic leak to/from MVR SVLAN on all NNI ports

When multicast VLAN registration (MVR) is configured, all User to Network interface (UNI) and Network-to-Network (NNI) ports belong to MVR SVLAN even though MVR SVLAN is not enabled on NNI ports.

This issue has been resolved.

CSCta85508—Untagged BPDU on NNI Trunk port creates a loop

Untagged Bridge Protocol Data Unit (BPDU) packets received on the Network-to-Network (NNI) port create a loop in the trunk ring, even though the protection is configured correctly.

This issue has been resolved.

CSCsz13424—Untagged packets received on the NNI port creates a loop

Untagged packets received on the Network-to-Network Interfaces (NNI) port create a loop in the trunk ring.

This issue has been resolved.

CSCtb01858—Traffic does not come up on preprovisioned port

The traffic does not come up when the port is enabled (in service, IS) after a cold boot or after the pluggable port module (PPM) is plugged in.

This issue has been resolved.



Note

This issue was found only in GE_XPE cards.

Related Documentation

Release-Specific Documents

- *Release Notes for the Cisco ONS 15454, Release 9.0.1*
- *Release Notes for the Cisco ONS 15454 SDH, Release 9.0.2*
- *Cisco ONS 15454 Software Upgrade Guide, Release 9.0*

Platform-Specific Documents

Use the *Release Notes for Cisco ONS 15454 Release 9.0.2* in conjunction with the following R9.0 publications:

- *Release Notes for the Cisco ONS 15454*
Provides closed (maintenance) issues, caveats, and new features for the Cisco ONS 15454 Release 9.0
- SONET platform
- *Cisco ONS 15454 Procedure Guide*
Provides installation, turn up, test, and maintenance procedures
- *Cisco ONS 15454 Reference Manual*
Provides technical reference information for SONET/SDH cards, nodes, and networks
- *Cisco ONS 15454 DWDM Installation and Operations Guide*
Provides technical reference information for DWDM cards, nodes, and networks
- *Cisco ONS 15454 Troubleshooting Guide*
Provides a list of SONET alarms and troubleshooting procedures, general troubleshooting information, transient conditions, and error messages

- *Cisco ONS SONET TL1 Command Guide*
Provides a comprehensive list of TL1 commands
- *Cisco ONS SONET TL1 Reference Guide*
Provides general information, procedures, and errors for TL1
- *Cisco ONS 15454 and Cisco ONS 15454 SDH Ethernet Card Software Feature and Configuration Guide*
Provides software feature and operation information for Ethernet cards

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS version 2.0.

This document is to be used in conjunction with the documents listed in the “[Related Documentation](#)” section.

CCDE, CCENT, CCSI, Cisco Eos, Cisco HealthPresence, Cisco IronPort, the Cisco logo, Cisco Nurse Connect, Cisco Pulse, Cisco SensorBase, Cisco StackPower, Cisco StadiumVision, Cisco TelePresence, Cisco Unified Computing System, Cisco WebEx, DCE, Flip Channels, Flip for Good, Flip Mino, Flipshare (Design), Flip Ultra, Flip Video, Flip Video (Design), Instant Broadband, and Welcome to the Human Network are trademarks; Changing the Way We Work, Live, Play, and Learn, Cisco Capital, Cisco Capital (Design), Cisco:Financed (Stylized), Cisco Store, Flip Gift Card, and One Million Acts of Green are service marks; and Access Registrar, Aironet, AllTouch, AsyncOS, Bringing the Meeting To You, Catalyst, CCDA, CCDP, CCIE, CCIP, CCNA, CCNP, CCSP, CCVP, Cisco, the Cisco Certified Internetwork Expert logo, Cisco IOS, Cisco Lumin, Cisco Nexus, Cisco Press, Cisco Systems, Cisco Systems Capital, the Cisco Systems logo, Cisco Unity, Collaboration Without Limitation, Continuum, EtherFast, EtherSwitch, Event Center, Explorer, Follow Me Browsing, GainMaker, iLYNX, IOS, iPhone, IronPort, the IronPort logo, Laser Link, LightStream, Linksys, MeetingPlace, MeetingPlace Chime Sound, MGX, Networkers, Networking Academy, PCNow, PIX, PowerKEY, PowerPanels, PowerTV, PowerTV (Design), PowerVu, Prisma, ProConnect, ROSA, SenderBase, SMARTnet, Spectrum Expert, StackWise, WebEx, and the WebEx logo are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

All other trademarks mentioned in this document or website are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (0910R)

Any Internet Protocol (IP) addresses used in this document are not intended to be actual addresses. Any examples, command display output, and figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses in illustrative content is unintentional and coincidental.

© 2010 Cisco Systems, Inc. All rights reserved.

