



Cisco Prime Network Registrar IPAM 8.1.3.2 Release Notes

December 21, 2015

Note: IPAM 8.1.3.2 patch can only be applied on an existing installation of IPAM 8.1.3 (7.0.45 build) or IPAM 8.1.3.1 (7.0.45 patch 15363). To apply the patch on IPAM 8.1.2, you MUST first upgrade it to IPAM 8.1.3. After you have upgraded to IPAM 8.1.3, you can apply the IPAM 8.1.3.2 patch. To learn about how to apply the patch on IPAM 8.1.3, refer to [How to Apply IPAM 8.1.3.2 Patch, page 2](#).

These release notes provide an overview of the fixed and open defects in Cisco Prime Network Registrar IPAM 8.1.3.2, describe how to apply the patch, and how to access additional information about known problems in Cisco Prime Network Registrar IPAM 8.1.3.2.

Note: You can access the most current Cisco Prime Network Registrar IPAM documentation, including these release notes, online at:

http://www.cisco.com/en/US/products/ps11808/tsd_products_support_series_home.html.

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Introduction

Cisco Prime Network Registrar IPAM is a comprehensive software solution that helps organizations plan and maintain their IP address space and leverages that information for use by IP services such as DNS and DHCP.

Cisco Prime Network Registrar IPAM is a next generation tool that offers advanced functionality:

- Centralized planning and management of the complete address space down to the individual IP address level
- Centralized DNS and DHCP configuration management.
- IPv4 and IPv6 support.

Before you Begin

- Automated address utilization collection and reporting.
- Address utilization forecasting and trending analysis.
- APIs and Command Line Interfaces for integration with any type of system. Examples are work-flow systems, provisioning systems, change management systems, or network management systems.

Unlike other tools that maintain IP name and address data as discrete information maintained uniquely and separately, Cisco Prime Network Registrar IPAM interacts with network devices and services to:

- Verify that the actual network matches the information in Cisco Prime Network Registrar IPAM.
- Capture and record utilization information to be able to establish historical trends.
- Reclaim inactive addresses.

This interaction not only maintains consistency between the planned and deployed network, but allows proactive modification to the network to adjust for IP address shortages and overages.

Before you Begin

For information on installing Cisco Prime Network Registrar IPAM, refer to *Cisco Prime Network Registrar IPAM 8.1.3 Installation Guide*.

To start using the Cisco Prime Network Registrar IPAM Management System, all Cisco Prime Network Registrar IPAM services, and the Cisco Prime Network Registrar IPAM database must be started.

Cisco Prime Network Registrar IPAM is licensed separately from Cisco Prime Network Registrar DHCP, DNS, and Caching DNS. When installing IPAM, you will be asked to install as a separate process using a separate license key. To receive the IPAM license, you must purchase Cisco Prime Network Registrar IPAM, either individually, or as part of a Cisco Prime Network Registrar suite.

How to Apply IPAM 8.1.3.2 Patch

Note: The IPAM 8.1.3.2 patch may make adjustments to the `/opt/incontrol/etc/tomcat` file on the Executive server. Some customers have customized this file, mostly adjusting the `Xmx` setting - the maximum amount of RAM Tomcat can use. You should backup this file before applying the patch on your current system and compare the settings later. Generally, it is this line customers adjust: `CATALINA_OPTS="-Xms128m -Xmx512m -XX:PermSize=128m-XX:MaxPermSize=256m"; export CATALINA_OPTS`. The `-Xmx512` is the max ram tomcat can use in a peak. If your Exec has alot of RAM, you might have adjusted this. Do not just put the pre-patch tomcat file back. Use `vi` to adjust.

The Cisco Prime Network Registrar IPAM 8.1.3.2 Upgrade/Patch Utility is designed to help users automatically upgrade or patch the systems and automatically backup existing data at the same time.

Patch upgrades are when the `'incontrol.jar'`, `'incontrol.war'`, `'inc-ws.war'` files are replaced and the originals are backed up. In some cases, files that do not reside within the `.war` or `.jar` files are also applied and the originals are backed up. Or just `.sql` updates are applied against the database to assist with obtaining new features.

An "in-place" upgrade is when a new version of Cisco Prime Network Registrar IPAM is applied and the database schema is also upgraded to the new version. The original `.war` and `.jar` files, along with the database, are backed up.

Note: All original files will be backed up automatically to `INCHOME/tmp/backup-<dateofupgrade>`.

Note: Oracle users must manually backup their database before starting an upgrade. Contact your DBA for assistance.

Important Notes

Unix Instructions for Upgrade/Patching Tool:

Note: All commands should be run as `incadmin`.

1. Download the file `cpnr_8_1_3_2-ipam-unix-patch.gtar.gz`, copy it into `/tmp` directory of the IPAM Executive system, and extract the file.
2. Navigate to `/tmp/cpnr_8_1_3_2-ipam-unix` directory.
3. Run the following command:
`. /opt/incontrol/etc/shrc` (Notice the space after the dot.).
4. From `/tmp/cpnr_8_1_3_2-ipam-unix`, run the following command:
`sh PNR813Upgrade-7.0.45-7.0.45-15881-unix-1.bin`

For restoring your original files/db:

1. Run the following command:
`. /opt/incontrol/etc/shrc`
2. From `/tmp/cpnr_8_1_3_2-ipam-unix`, run the following command:
`sh restore.sh INCHOME/tmp/<directory to restore>`

Example: `sh restore.sh /opt/incontrol/tmp/backup-<dateofupgrade>`

Windows Instructions for Upgrade/Patching Tool:

1. Download the file `cpnr_8_1_3_2-ipam-windows-patch.exe` and copy it into `C:\temp` directory of the Executive server.
2. Extract the file into `C:\temp` directory.
3. Open a DOS prompt window and run the following command:
`cd C:\temp\cpnr_8_1_3_2-ipam-windows-patch`
4. Run the following command:
`"c:\Program Files\Cisco\Cisco Prime Network Registrar IPAM\etc\shrc.bat"`
5. Run `RunUpgrade.exe`.

For restoring your original files/db:

1. Open a DOS prompt window and run the following command:
`cd C:\temp\cpnr_8_1_3_2-ipam-windows-patch`
2. Run the following command:
`"c:\Program Files\Cisco\Cisco Prime Network Registrar IPAM\etc\shrc.bat"`
3. Run the following command:
`restore.exe "INCHOME\tmp\<directory to restore>"`

Example: `restore.exe "c:\Program Files\Cisco\Cisco Prime Network Registrar IPAM\tmp\backup-<dateofupgrade>"`

Important Notes

IPAM 8.1.3 is running on MySQL Community Server 5.6.17. If IPAM 8.1.3 is installed on Solaris 10 (Sparc), then MySQL is exposed to some security vulnerabilities, for which a MySQL upgrade or patch is recommended. Oracle has issued an alert about these vulnerabilities and further information can be found at [Oracle Critical Patch Update Advisory - July 2015](#).

Cisco Prime Network Registrar IPAM Bugs

For more information on a specific bug or to search all bugs in a particular Cisco Prime Network Registrar IPAM release, see [Using the Bug Search Tool, page 5](#).

This section contains the following information:

- [Resolved Bugs, page 4](#)
- [Open Caveats, page 5](#)
- [Using the Bug Search Tool, page 5](#)

Resolved Bugs

[Table 1](#) lists the key issues resolved in the Cisco Prime Network Registrar IPAM 8.1.3.2 release.

Table 1 Resolved Bugs in Cisco Prime Network Registrar IPAM 8.1.3.2

Bug ID	Description
CSCux32022	RRs not updated after initial configuration push using Overwrite Zones
CSCuw64655	Unable to push DNS configuration for specific zone with Overwrite zones
CSCuw64719	Search field is empty while pushing specific DNS tasks
IN-14852	ImportDevice CLI - Currently no way of selecting which container an overlapping interface IP belongs to via the CLI
IN-15306	ImportDevice CLI/API allows the creation of devices with hostnames longer than 64 characters
IN-15340	ModifyDevice CLI can throw NullPointerException when reverse domain is not found
IN-15365	Search on "Add Block" Popup page on Administrator Policies page is not functional
IN-15570	Export for editing UDF's not working
IN-15781	Zone search doesn't work when setting up "Update Configuration" type deployment task for a CNR DNS Server
IN-15832	Container Show - Show blocks only in this container checkbox is not visible when folded
IN-15838	UDF List type: allow more than 4K bytes in the selectedlist column
IN-15845	IP Address search returns the block instead of the device under certain conditions
IN-15848	ImportWizard fails if list-type UDF value is included
IN-15854	Enhance the Block Integrity Checker to repair more overlapping block scenarios
IN-15860	Inconsistent behavior for some users between GUI functionality and CLI
IN-15819	Searching for a device for a non-Superuser fails with an Oracle database
IN-15653	A new index is needed on the Hostname column of the Device table
IN-15710	Unable to use custom keystores
IN-15725	importDevice API takes longer in 7.0 than 5.1 using Oracle database
IN-15727	Discover Router ARP Hosts when ipv6nettoimedia table does not exist and is past the end of the MIB causes the discover to fail with NoSuchName error
IN-15736	Update server.xml and activemq.xml files for Logjam patch
IN-15741	ImportDevice is taking longer to complete in 7.0 than 5.1
IN-15705	ExportDevice API slower under Oracle 11g
IN-15664	Missing index on IPADDRESS table causing performance problems
IN-15634	DatabaseIntegrityChecker runs tests that should be skipped if run with the -r[epair] option

Table 1 Resolved Bugs in Cisco Prime Network Registrar IPAM 8.1.3.2 (continued)

Bug ID	Description
IN-14276	DNS Option for response-policy is wrong
IN-15614	Block Integrity Checker can obscure overlapping block errors if a repair loop is used
IN-15488	Improve Block Utilization display performance
IN-15666	Second collection agent causes ARP discovery to fail
IN-15673	ExportNetworkElement throws NullPointerException
IN-15092	Advanced Search: Page Size Persistence is not applied
IN-15578	When adding a child block, Block type is prefilled and no block size options are listed.
IN-15473	Minimize audit records created by DHCP Collections
IN-15499	Admins cannot search
IN-15479	Cannot use 'open in new tab' in certain task details
IN-15040	ImportChildBlock ImportWizard fails
IN-15410	Gen of GLUE records off/on will prevent zone to be pushed during future "Update All RRs" task
IN-15416	RouterSubnetDiscover can return Null interface names
IN-15424	Creating secondary zones on CNR servers will intermittently cause HA Pair sync failures
IN-15428	Network Links incorrectly creating during upgrade
IN-15431	API doesn't treat UDF LIST values as case-sensitive
IN-15440	Block Integrity Checker incorrect gap sizes
IN-15441	Error deleting block with parent block in same device container

Open Caveats

[Table 2](#) lists the open caveats in the Cisco Prime Network Registrar IPAM 8.1.3.2 release.

Table 2 Open Caveats in Cisco Prime Network Registrar IPAM 8.1.3.2

Bug ID	Description
CSCuv41933	Oracle MySQL Server Denial of Service vulnerability on Solaris

Using the Bug Search Tool

Use the Bug Search tool to search for a specific bug or to search for all bugs in a release.

1. Go to <http://tools.cisco.com/bugsearch>.
2. At the Log In screen, enter your registered Cisco.com username and password; then, click **Log In**. The Bug Search page opens.

Note: If you do not have a Cisco.com username and password, you can register for them at <http://tools.cisco.com/RPF/register/register.do>.

3. To search for a specific bug, enter the bug ID in the Search For field and press **Return**.
4. To search for bugs in the current release:
 - a. Click the **Search Bugs** tab and specify the following criteria:

Related Documentation

- b. In the Search For field, enter **Prime Network Registrar IPAM 8.1.3** and press **Return**. (Leave the other fields empty.)
- c. When the search results are displayed, use the filter tools to find the types of bugs you are looking for. You can search for bugs by status, severity, modified date, and so forth.

Note: To export the results to a spreadsheet, click the **Export All to Spreadsheet** link.

Related Documentation

See [Cisco Prime Network Registrar IPAM Documentation](#) for a list of Cisco Prime Network Registrar IPAM 8.1.3.2 guides.

Accessibility Features in Cisco Prime Network Registrar IPAM 8.1.3.2

All product documents are accessible except for images, graphics, and some charts. If you would like to receive the product documentation in audio format, braille, or large print, contact accessibility@cisco.com.

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>

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