



# Cisco Prime Network Registrar IPAM 8.3 Release Notes

**September 08, 2016**

These release notes provide an overview of the fixed and open defects in Cisco Prime Network Registrar IPAM 8.3, and describe how to access information about the known problems in Cisco Prime Network Registrar IPAM 8.3.

**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](http://www.cisco.com/en/US/products/ps11808/tsd_products_support_series_home.html).

## Contents

This document contain the following sections:

- [Introduction, page 1](#)
- [Before you Begin, page 2](#)
- [New Features and Enhancements, page 2](#)
- [Limitations and Restrictions, page 4](#)
- [Cisco Prime Network Registrar IPAM Bugs, page 4](#)
- [Related Documentation, page 5](#)
- [Accessibility Features in Cisco Prime Network Registrar IPAM 8.3, page 6](#)
- [Obtaining Documentation and Submitting a Service Request, page 6](#)

## 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.
- Automated address utilization collection and reporting.
- Address utilization forecasting and trending analysis.

## Before you Begin

- Application Program Interfaces (APIs) and Command Line Interfaces (CLIs) 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 8.3 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.

**Note:** Cisco Prime Network Registrar IPAM 8.3 and later versions will not support Solaris. Refer to earlier versions of Cisco Prime Network Registrar IPAM documents if you want to use Cisco Prime Network Registrar IPAM with Solaris support.

## New Features and Enhancements

This section describes the features added in Cisco Prime Network Registrar IPAM 8.3:

- [DNS64 Based on Client Subnet, page 3](#)
- [DNS Views, page 3](#)
- [Clone Administrators/Roles, page 3](#)
- [Clone Containers, page 3](#)
- [Domain Audit Report, page 3](#)
- [DNS Zone Report, page 3](#)
- [DHCP Option/Policy Set Assignment View, page 3](#)
- [Show Effective DHCP Policies, page 3](#)
- [Option 82 Reporting, page 3](#)
- [Administrator Preferences, page 4](#)
- [Administrator Definition Audit Report, page 4](#)
- [SNMPv2 Support, page 4](#)

## DNS64 Based on Client Subnet

Cisco Prime Network Registrar 8.3 changed its implementation of DNS64 in CDNS server. Cisco Prime Network Registrar IPAM 8.3 includes these changes. This includes the ability to manage multiple DNS64 objects and a new match clients ACL.

## DNS Views

Cisco Prime Network Registrar IPAM 8.3 supports configuration of DNS views in Authoritative DNS server for Cisco Prime Network Registrar versions 8.2 and 8.3 in IPAM. However, support for configuration of views in Caching DNS from IPAM is not supported in Cisco Prime Network Registrar IPAM 8.3.

## Clone Administrators/Roles

With several tabs and data elements defining an administrator's or administrator roles' policies, Cisco Prime Network Registrar IPAM 8.3 provides the ability to clone an administrator or policy. The clone function creates a copy of the corresponding administrator or role including the corresponding policy settings. This is intended to provide an easier "starting point" to tweaking policies for a new administrator with similar settings, though they can be edited as well.

## Clone Containers

Like administrators, containers possess several policy settings including user defined fields. Cisco Prime Network Registrar IPAM 8.3 enables the cloning of a container to copy these policies to a new container. The new container may then be edited accordingly.

## Domain Audit Report

Cisco Prime Network Registrar IPAM 8.3 provides an audit report for domain changes, enabling reporting for domain creations, changes and deletions of domain parameters including user defined fields, filterable by transaction type, administrator and date range.

## DNS Zone Report

The DNS Zone Report enables administrators to identify to which DNS servers a given zone has been assigned and in what capacity.

## DHCP Option/Policy Set Assignment View

Cisco Prime Network Registrar IPAM 8.3 enables viewing for a given option or policy set, to which servers, subnets, pools network links, devices, and classes it has been assigned. This streamlines the tracking and facilitates clean-up of option and policy sets by administrators.

## Show Effective DHCP Policies

Cisco Prime Network Registrar IPAM 8.3 enables administrators to display the effective DHCP options to be applied to clients at various levels of the server-subnet-pool-class hierarchy. This feature provides analogous functionality for DHCP policies.

## Option 82 Reporting

Cisco Prime Network Registrar IPAM 8.3 provides the ability to collect DHCPv4 option 82 parameters, specifically RemoteID and CircuitID suboptions. This information will be collected by CPNR DHCP server and these collected values will be displayed on the active lease display and will be searchable as well.

## Administrator Preferences

Cisco Prime Network Registrar IPAM 8.3 will “remember” settings on particular screens set by administrators to apply such settings when said screen is redisplayed at a later time. This includes list sizes per page, columns and column ordering per tabular page, container/block view (classic vs. list view), search type, navigation and help pane sizing and setting of a default “home” page upon login.

## Administrator Definition Audit Report

The new audit report for Cisco Prime Network Registrar IPAM 8.3 enables viewing of administrator definition and policy changes over time.

## SNMPv2 Support

Cisco Prime Network Registrar IPAM 8.3 supports SNMPv2 in addition to SNMPv1 and SNMPv3.

## Limitations and Restrictions

In Linux installations, Cisco Prime Network Registrar IPAM 8.3 (which ships with the CPNR 8.3.2.1 SDK by default) is compatible only with CPNR versions newer than 8.3. This is due to a library issue in the CPNR 8.3.2.1 SDK. If you plan to upgrade both the IPAM Executive and remote agent to version 8.3 and remain in the earlier versions of CPNR (8.3 and earlier versions), then you must manually replace the default SDK with the latest version of 8.3.x SDK. For more information, refer to “*Appendix G: Backward Compatibility of IPAM 8.3 with CPNR 8.3 and Earlier Releases*” section of *Cisco Prime Network Registrar IPAM 8.3 Installation Guide*.

## 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](#)
- [Enhancement Features, page 5](#)
- [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 8.3 release.

**Table 1 Resolved Bugs in Cisco Prime Network Registrar IPAM 8.3**

Bug ID	Description
<a href="#">CSCui73541</a>	Unable to delete a container with “/” symbol in CLI and API
<a href="#">CSCui82872</a>	DHCPv4/v6 Vendor Option suboption does not accept multiple IP Addresses
<a href="#">CSCum12426</a>	DNS Configuration push task fails when Overwrite zones option is checked
<a href="#">CSCuw59529</a>	Unable to move device from one IP to another in same block
<a href="#">CSCux41536</a>	OpenSSL December Vulnerabilities for CPNR IPAM OVA
<a href="#">CSCuy36427</a>	Evaluation of cnr-ipam for glibc_feb_2016

## Enhancement Features

Table 2 lists the key enhancement features added in the Cisco Prime Network Registrar IPAM 8.3 release.

**Table 2 Enhancement Features in Cisco Prime Network Registrar IPAM 8.3**

Bug ID	Description
<a href="#">CSCUw00989</a>	DNSUpdate Config backup-server-addr attribute not managed by IPAM
<a href="#">CSCUw10928</a>	Support for DNS Views feature in IPAM to manage CPIPE/CPNR DNS Server

## Open Caveats

Table 3 lists the open caveats in the Cisco Prime Network Registrar IPAM 8.3 release.

**Table 3 Open Caveats in Cisco Prime Network Registrar IPAM 8.3**

Bug ID	Description
<a href="#">CSCvb25366</a>	DNS64 priority gets duplicated when creating objects through IPAM

## 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:
  - b. In the Search For field, enter **Prime Network Registrar IPAM 8.3** 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 8.3 guides.

## Accessibility Features in Cisco Prime Network Registrar IPAM 8.3

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](mailto: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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