Cisco Prime Access Registrar 6.0.2 Release Notes

Cisco Prime Access Registrar (Prime Access Registrar) is a high performance, carrier class RADIUS/Diameter solution that provides scalable, flexible, intelligent authentication, authorization, and accounting (AAA) services.

Prime Access Registrar comprises a RADIUS/Diameter server designed from the ground up for performance, scalability, and extensibility for deployment in complex service provider environments including integration with external data stores and systems. Session and resource management tools track user sessions and allocate dynamic resources to support new subscriber service introductions.

Note Prime Access Registrar can be used with Red Hat Enterprise Linux 5.3/5.4/5.5/6.0/6.1/6.2 32-bit /64-bit operating system (64-bit operating system can be used with the required 32-bit libraries installed) using kernel 2.6.18-128.el5 or later versions of 2.6, and Glibc version: glibc-2.5-34 or later.

Contents

This release note contains the following sections:

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Enhanced Features in Cisco Prime Access Registrar 6.0.2

Prime Access Registrar has the following enhancements for 6.0.2:

HLR GT Caching

The Home Location Registry (HLR) Global Title address (GT address in calling party address (CgPA)) from the SendAuthenticationInfo (SAI) response is cached and used for subsequent authorization request. This cached HLR GT is added to the environment dictionary of the packet to be available for the authorization flow.

The following environment dictionary variables are added to hold the cached HLR GT:

- HLR-GlobalTitle-Cached—Set as TRUE to indicate the HLR GT is cached
- Cached-HLR-GlobalTitle-Digits
- Cached-HLR-Translation-Type
- Cached-HLR-Numbering-Plan
- Cached-HLR-Encoding-Scheme
- Cached-HLR-Nature-Of-Address
- Cached-HLR-GT-Format

The cached HLR GT overrides both the configured destination GT values and GT script provided GT values. The HLR GT caching works by default for RTE_GT. The cached HLR GT can be overridden by updating the environment variable HLR-GlobalTitle-Cached to FALSE (or anything other than TRUE) in the GT script.

The HLR GT will not be cached for:

- reauthentication flow
- authorize only flow, when authentication vectors are already available in cache, as SAI request will not be available.

Support for Parallelization in SIGTRAN / M3UA Remote Servers

Whenever Prime Access Registrar sends a packet to a remote server, it waits for a response from the remote server before sending further packets to the same or other remote servers (as configured). This causes performance impact. Prime Access Registrar 6.0.2 introduces a feature that allows mutiple simultaneous outstanding requests to be sent to the same or other remote servers (as configured).

System Requirements

This section describes the system requirements to install and use the Prime Access Registrar software.

Table 1 lists the system requirements for Prime Access Registrar 6.0.2.

Table 1 Minimum Hardware and Software Requirements for Prime Access Registrar Server

Component	Linux Operating System
OS version	RHEL 5.3/5.4/5.5/6.0/6.1/6.2
Model	X86
CPU type	Intel Xeon CPU 2.3 GHz
CPU Number	4
CPU speed	2.3 GHz
Memory (RAM)	8 GB
Swap space	10 GB
Disk space	1*146 GB

Note Solaris support for Prime Access Registrar 6.0.2 will be implemented in a future release.

Co-Existence With Other Network Management Applications

To achieve optimal performance, Prime Access Registrar should be the only application running on a given server. In certain cases, when you choose to run collaborative applications such as a SNMP agent, you must configure Prime Access Registrar to avoid UDP port conflicts. The most common conflicts occur when other applications also use ports 2785 and 2786. For more information on SNMP configuration, see the Configuring SNMP section, in the *Installing and Configuring Cisco Prime Access Registrar, 6.0*.

Known Anomalies in Cisco Prime Access Registrar 6.0.2.1

Table 2 lists the known anomaly in Prime Access Registrar 6.0.2.1.

Table 2 Known Anomaly in Prime Access Registrar 6.0.2.1

Bug	Description
CSCue75064	Send Authentication Info message should handle the user error.

Known Anomalies in Cisco Prime Access Registrar 6.0.2

Table 3 lists the known anomaly in Prime Access Registrar 6.0.2.

Table 3 Known Anomaly in Prime Access Registrar 6.0.2

Bug	Description
CSCue75064	Send Authentication Info message should handle the User error.

Anomalies Fixed in Cisco Prime Access Registrar 6.0.2.1

Table 4 lists the anomaly fixed in Prime Access Registrar 6.0.2.1.

Table 4 Anomaly Fixed in Prime Access Registrar 6.0.2.1

Bug	Description
CSCul29176	Segmentation fault occurs in service with 6.0 base license in Prime Access Registrar 6.1.
CSCul15395	Base license should not allow you to enable TACACS+ in Prime Access Registrar.
CSCul32028	Prime Access Registrar crashes with eap-sim and sigtran-m3ua remote server during traffic.

Anomalies Fixed in Cisco Prime Access Registrar 6.0.2

Table 5 lists the anomalies fixed in Prime Access Registrar 6.0.2.

Table 5 Anomalies Fixed in Prime Access Registrar 6.0.2

Bug	Description
CSCui03911	MAP request to support CgPA formatting to subsequent MAP requests in CdP.
CSCui07108	Need validation for sigtran-m3ua multiple association/remote server.
CSCui11853	Prime Access Registrar should send error log for OCI, while accessing the empty DB fields.
CSCui24502	Rfc compliance for routing context mapping.
CSCui26360	Need to set a limit/count of number of consecutive timeouts in sigtran-m3ua.
CSCuf80663	Parallelization needs to be supported in SIGTRAN M3UA remote server.

Related Documentation

The following is a list of the documentation for Prime Access Registrar 6.0.2. You can access the URLs listed for each document at www.cisco.com on the World Wide Web. We recommend that you refer to the documentation in the following order:

- *Cisco Prime Access Registrar 6.0.2 Release Notes*

- *Cisco Prime Access Registrar 6.0.1 User Guide*
- *Open Source Used In Cisco Prime Access Registrar 6.0.1*

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation* at: http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html.

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