



Release Notes for *Cisco Policy Suite* for Release 5.5.2

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Contents

This document describes the new features, feature versions and limitations for Cisco Policy Suite. Use this document in combination with documents listed in the [“Related Documentation”](#) section on page 6.

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Introduction

Cisco Policy Suite is a comprehensive policy, charging, and subscriber data management solution that allows service providers to control and monetize their networks and to profit from personalized services. Cisco Policy Suite has the following components:

- Cisco Policy Server (PS)
- Cisco Charging Server (CS)
- Cisco Application Gateway (AGW)



- Cisco Unified Subscriber Manager (USuM)
- Cisco Subscriber Analytics

The Cisco Policy Suite provides an intelligent control plane solution, including southbound interfaces to various policy control enforcement functions (PCEFs) in the network, and northbound interfaces to OSS/BSS and subscriber applications, IMSs, and web applications. The Cisco Policy Suite modules are enabled individually or deployed as an integrated end-to-end policy, charging, and service creation solution.

Competitive Benefits

The new Cisco Policy Suite solution provides these benefits over competitive solutions.

- Cisco Policy Suite architecture allows simultaneous sessions and transactions per second (TPS) capacity to be independently scaled. This allows Cisco Policy Suite to be efficiently sized for both high simultaneous sessions with low TPS or low sessions with high TPS, resulting in lower total cost of ownership when compared to traditional PCRF models. As soon as sessions are bound to a given processing node, the ability to handle traffic spikes is reduced.
- Cisco Policy Suite virtual architecture supports flexible and cost-effective carrier grade strategies. Virtual instances are spread across multiple blade serves for full hardware and software redundancy within a Cisco Policy Suite cluster.
- The flexible nature of the Cisco Policy Suite lets a service provider go beyond standard policy definition to add new, customized functionality. It provides a comprehensive open policy software development kit (SDK) using industry-standard languages and frameworks. Customized or vendor scripting is not needed, which allows service providers to create plug-ins within the existing policy server and automatically exposes the new services to the policy engine.

New and Changed Information

This section describes the new and changed features for the Cisco Policy Suite Release 5.5.2.

New Software Features in Release 5.5.2

None for this release.

Installation Notes

This section describes the installation notes in Release 5.5.2.



Note

Currently, direct upgrading of CPS from version 5.3.5 to 5.5.2 is not supported. Customer first needs to upgrade CPS to 5.5 and then can upgrade the system to 5.5.2.



Note

Customer must download the latest software package available from the link <http://software.cisco.com/download/type.html?mdfid=284883882&catid=null>.

Feature Versions

The following table mentions the component version for CPS 5.5.2 Release:

Component	Version
Core	5.5.2
Audit	1.1.2
Balance	3.1.2
Control Center	3.1.2
Customer Reference Data	2.1.2
Notifications	5.5.1
Policy Intel	1.3.1
Diameter2	3.1.2
Radius	3.0.2
SPR	2.0.4
Unified API	2.0.3
Scheduled Events	1.0.2
Web Services	1.2.4
Congestion Reference Data	1.0.0
DHCP	1.3.1
ISG Prepaid	1.5.0
JDBC	1.0.4
LDAP	1.2.0
POP-3 Authentication	1.1.0
Reporting	1.2.3
SCE	2.0.4

Removing MySQL JDBC Connectors from Standard Load Line-up

- Step 1** Add the following file to your local machine and make the changes to your `qns.conf` file.
- ```
-DmysqlDriver=file:///var/broadhop/jdbc/jdbc_5_1_6.jar
```
- Step 2** Copy the above mentioned file to all CPS boxes in the same location. Synchronize all the boxes and then restart CPS.

## Limitations and Restrictions

Cisco Policy Suite has the following limitations and restrictions:

- After database role change for multiple sessionMgrs, CPS is unable to stabilize the calls and timeouts happen constantly.

- On receiving Accounting Stop message, the Radius call is not disconnected and the session is also present in mongo database.

## Caveats

The following sections lists Open Caveats and Resolved Caveats for Cisco Policy Suite. For your convenience in locating caveats in Cisco's Bug Toolkit, the caveat titles listed in this section are drawn directly from the Bug Toolkit database. These caveat titles are not intended to be read as complete sentences because the title field length is limited. In the caveat titles, some truncation of wording or punctuation might be necessary to provide the most complete and concise description.



### Note

If you are a registered cisco.com user, view Bug Toolkit on cisco.com at the following website:

<https://tools.cisco.com/bugsearch>

To become a registered cisco.com user, go to the following website:

[https://tools.cisco.com/RPF/register/register.do?exit\\_url=](https://tools.cisco.com/RPF/register/register.do?exit_url=)

## Open Caveats

Table 1 lists the open caveats in the CPS 5.5.2 release.

**Table 1** Open Caveats

| CDET ID                    | Status | Headline                                                                  |
|----------------------------|--------|---------------------------------------------------------------------------|
| <a href="#">CSCu145568</a> | A      | QNS[Sys-Test]:Multiple sessionmgrs blade shutdown- lots of Time outs seen |
| <a href="#">CSCu160434</a> | A      | QNS[Sys-Test]:Site1 chassis down- lots of Time outs seen                  |
| <a href="#">CSCu151779</a> | A      | CPS:On receiving Accounting Stop call is not being teared down.           |
| <a href="#">CSCu171374</a> | N      | IP Central security issues found with Spring Framework 3.0.5 used in CPS  |

A - Assigned

N - New

## Resolved/Verified Caveats

Table 2 lists the resolved/verified caveats in the CPS 5.5.2 release.

**Table 2** Resolved/Verified Caveats

| CDET ID                    | Status | Headline                                                               |
|----------------------------|--------|------------------------------------------------------------------------|
| <a href="#">CSCu188667</a> | V      | QNS[Sys-Test]:License error and Timeouts- lb01 of both sites made down |
| <a href="#">CSCu105454</a> | V      | RADIUS Service Template for Proxy Accounting Stop Record not applied   |
| <a href="#">CSCu114099</a> | V      | Store AN-GW-Address AVP received in Gx:CCRI for TGPP DIAMETER Stack    |
| <a href="#">CSCu171764</a> | R      | Update/Stop Session APIs broken                                        |

**Table 2 Resolved/Verified Caveats**

| <b>CDET ID</b> | <b>Status</b> | <b>Headline</b>                                                          |
|----------------|---------------|--------------------------------------------------------------------------|
| CSCu116473     | V             | WLC Client not authenticating on CPS after CoA Login sent                |
| CSCuj74572     | V             | One-click voucher and voucher use cases failing in 5.5.2 regression      |
| CSCu118689     | V             | QNS[Sys-Test]:Call model failureTimeouts on site1 blade down 2qns 1semgr |
| CSCu122909     | V             | RadiusAccountingSesionTimeRetrieverImpl                                  |
| CSCu129761     | V             | QNS[Sys-Test]:lb0x memcached is not coming up after lb0x VMs powered ON  |
| CSCuj79715     | V             | EDR is not getting printed for CCR-T                                     |
| CSCu134588     | V             | QNS[Sys-Test]:Call model not recovering in case of all qns down scenrios |
| CSCu138610     | R             | Balance reservations are overwritten when there are multiple subscribers |
| CSCu148085     | R             | Add shared bucket status to Gy Session                                   |
| CSCu102797     | V             | QNS[Sys-Test]:most of the RAR getting triggered from Secondary peer      |
| CSCuj89880     | V             | QNS[Sys-Test]:lb01 of both sites not recovering after overnight shutdown |
| CSCuj96867     | R             | QNS[Sys-Test]:Need support of trap for GR internal system failure        |
| CSCuj99053     | V             | QNS[Sys-Test]:call failures when 1 secondary sesisonmgr vm down          |
| CSCuj69839     | V             | SPR Schedule Rule has a gap when Time Duration crosses Midnight boundary |
| CSCuj70097     | V             | QNS[Sys-Test] VFGR-Secondary DB- SPR shard1 -recovering state-long time  |
| CSCuj73423     | V             | QNS[Sys-Test]: Temporary Store Limit Error seen in lb02 logs             |
| CSCuj76856     | V             | VF-GR-MOP: Standby VMs cloning MOP steps automation                      |
| CSCuj76880     | V             | VF-GR-MOP: Standby components configuration MOP steps automation         |
| CSCuj76901     | V             | VF-GR-MOP: Cluster peer (mated-pair) configuration MOP steps automation  |
| CSCuj81296     | R             | ASR5K Accounting Record and TGPP correlation                             |
| CSCuj82776     | V             | QNS[sys-test]: Stopall.sh script not working                             |
| CSCuj88298     | R             | Remove MySQL JDBC Connectors from the standard load line-up              |
| CSCu133407     | V             | Bandwidth monitoring policy has exceptions                               |
| CSCu126284     | R             | QNS[Sys-Test]:mongo oplog sizing configurations for online recovery      |
| CSCu122536     | R             | Map Radius User Name to Calling Station ID in Access Request Template    |
| CSCu144449     | M             | Recurring quotas need to have option to use Rollover expiration date     |
| CSCu100049     | V             | Unified API always returning successful when integrated with ASR5k       |
| CSCu128182     | R             | K-OPTI API Enhancements                                                  |
| CSCuj06634     | V             | VF_GR:PowerON both sites->All sesisonmgr for SessionDb in STARUP2 state  |

R - Resolved

V - Verified

M - More

## Related Documentation

This section contains information about the documentation available for Cisco Policy Suite.

### Release-Specific Documents

Refer to the following documents for better understanding of the Cisco Policy Suite.

- *Cisco Policy Suite 5.5.2 Installation Guide*
- *Cisco Policy Suite 5.5.2 Wi-Fi / BNG Configuration Guide*
- *Cisco Policy Suite 5.5.2 Mobile Configuration Guide*
- *Cisco Policy Suite 5.5.2 Alarming and SNMP Guide*
- *Cisco Policy Suite 5.5.2 Operations Guide*
- *Cisco Policy Suite 5.5.2 Backup and Restore Guide*
- *Cisco Policy Suite 5.5.2 Troubleshooting Guide*

## Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, 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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