Ultra Cloud Core 5G Policy Control Function, Release 2021.02 - Release Change Reference

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CONTENTS

PREFACE

About this Guide v

Conventions Used v

Contacting Customer Support vi

CHAPTER 1

UCC 5G PCF - Release Change Reference 1

Features and Behavior Change Quick Reference 1

Feature Defaults Quick Reference 1

CDL Enhancements 2

Feature Summary and Revision History 2

Summary Data 2

Revision History 2

Feature Description 2

HTTP Idle Connection Timeout on Server-CSCvx49859 3

Behavior Change Summary and Revision History 3

Summary Data 3

Revision History 3

Behavior Change 4

About this Guide

This document is a part of the Ultra Cloud Core 5G Policy Control Function documentation set.

For information about available documentation, see the Ultra Cloud Core 5G Policy Control Function Documentation Map for this release at Cisco.com.

- Conventions Used, on page v
- Contacting Customer Support, on page vi

Conventions Used

The following tables describe the conventions used throughout this documentation.

Notice Type	Description
Information Note	Provides information about important features or instructions.
Caution	Alerts you of potential damage to a program, device, or system.
Warning	Alerts you of potential personal injury or fatality. May also alert you of potential electrical hazards.

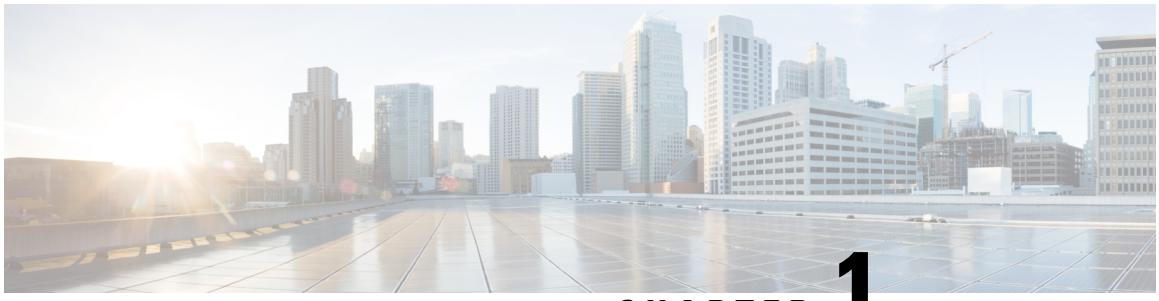
Typeface Conventions	Description
Text represented as a `screen display`	This typeface represents displays that appear on your terminal screen, for example: `Login:`
Text represented as **commands**	This typeface represents commands that you enter, for example: **show ip access-list** This document always gives the full form of a command in lowercase letters. Commands are not case sensitive.

Typeface Conventions	Description
Text represented as a **command** *variable*	This typeface represents a variable that is part of a command, for example: **show card** *slot_number* *slot_number* is a variable representing the desired chassis slot number.
Text represented as menu or sub-menu names	This typeface represents menus and sub-menus that you access within a software application, for example: Click the **File** menu, then click **New**

Contacting Customer Support

Use the information in this section to contact customer support.

Refer to the support area of http://www.cisco.com for up-to-date product documentation or to submit a service request. A valid username and password are required to access this site. Please contact your Cisco sales or service representative for additional information.



CHAPTER 1

UCC 5G PCF - Release Change Reference

- Features and Behavior Change Quick Reference, on page 1
- Feature Defaults Quick Reference, on page 1
- CDL Enhancements, on page 2
- HTTP Idle Connection Timeout on Server-CSCvx49859, on page 3

Features and Behavior Change Quick Reference

Revision Details	Release Introduced / Modified
CDL Enhancements	2021.02.1
HTTP Idle Connection Timeout on Server-CSCvx49859, on page 3	2021.02.0

Feature Defaults Quick Reference

The following table indicates what features are enabled or disabled by default.

Feature	Default
CDL Enhancements	Enabled - Configuration Required
HTTP Idle Connection Timeout on Server	Enabled - Configuration Required

CDL Enhancements

Feature Summary and Revision History

Summary Data

Table 1: Summary Data

Applicable Product(s) or Functional Area	5G-PCF
Applicable Platform(s)	SMI/CNDP
Default Setting	Enabled - Configuration Required
Related Changes in this Release	Not Applicable
Related Documentation	*UCC 5G PCF Configuration and Administration Guide*

Revision History

Table 2: Revision History

Revision Details	Release
First introduced.	2021.02.1

Feature Description

Stale Sessions Clean-Up

In the CDL sessions, PCF adds the unique key SupiDnnKey (SUPI:DNN format) along with pre-existing unique keys including FramedIpv6PrefixKey. With the CDL's index overwrite detection command in the PCF Ops Center, the administrators can configure the ability to delete the old session using the same unique key while the new session is created.

The unique keys that should be used in the overwrite detection configuration are SupiDnnKey and FramedIpv6PrefixKey with the action as delete_record.

For more information, refer to the UCC 5G PCF Configuration and Administration Guide > Cisco Common Data Layer chapter.

Synchronizing the Index Records

Sometimes after the primary site is reinstated, the index data on both the sites may not be consistent. To reconcile the records and eliminate the discrepancy in the sites, configure the sync operation that initiates index data synchronization on the site with its remote peers.

Note Configuring the sync operation may cause a negative performance impact. Cisco recommends performing this operation in a production environment that experiences a high number of inconsistent index records.

A sync operation cannot be initiated for an index instance where the remote sync is in progress.

For more information, refer to the UCC 5G PCF Configuration and Administration Guide > Cisco Common Data Layer chapter.

Configuring the Remote System ID

When the session timer expires, the notification is sent to the system that has the system ID present in the session. The enhanced CDL datastore session notification command allows you to configure the isolated site's system ID to the available site. With this arrangement, the notification belonging to the expired session of the remote site ID are rerouted to the available site.

For more information, refer to the UCC 5G PCF Configuration and Administration Guide > Site Isolation chapter.

HTTP Idle Connection Timeout on Server-CSCvx49859

Behavior Change Summary and Revision History

Summary Data

Table 3: Summary Data

Applicable Product(s) or Functional Area	5G-PCF
Applicable Platform(s)	SMI
Default Setting	Enabled - Configuration Required
Related Changes in this Release	Not Applicable
Related Documentation	*UCC 5G PCF Configuration and Administration Guide*

Revision History

Table 4: Revision History

Revision Details	Release
First introduced. CDETS ID: CSCvx49859	2021.02.0

Behavior Change

Previous Behavior: In release prior to 2021.02.0, PCF used to send GOAWAY after 30 seconds of REST connection being idle where PCF is acting as server.

New Behavior: In 2021.02.0 and later releases, a new parameter *http-idle-connection-timeout-on-server-seconds* is added. This parameter is used to the idle connection timeout for REST connection where PCF is acting as server.

Default value is 60 seconds.

If the value is less than or equal to 0, the default value of 60 seconds is used.

For more information, refer to the UCC 5G PCF Configuration and Administration Guide > Multiple Virtual IP Address chapter.