



## **Ultra Cloud Core 5G Access and Mobility Management Function, Release 2023.03 - Release Change Reference**

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## About this Guide



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This preface describes the *Release Change Reference (RCR)*, the new and modified features and behavior change informations for one or more applicable 5G AMF releases.

- [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:

Typeface Conventions	Description
Text represented as <b>commands</b>	<p>This typeface represents commands that you enter, for example:</p> <p><b>show ip access-list</b></p> <p>This document always gives the full form of a command in lowercase letters. Commands are not case sensitive.</p>
Text represented as a <b>command variable</b>	<p>This typeface represents a variable that is part of a command, for example:</p> <p><b>show card slot_number</b></p> <p><i>slot_number</i> is a variable representing the applicable chassis slot number.</p>
Text represented as menu or sub-menu names	<p>This typeface represents menus and sub-menus that you access within a software application, for example:</p> <p>Click the <b>File</b> menu, then click <b>New</b></p>

## 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 AMF - Release Change Reference

- [Features and Changes Quick Reference, on page 1](#)
- [Two Protocol Pod Replicas on Single Server, on page 1](#)
- [New Failure Handling Messages, on page 2](#)

### Features and Changes Quick Reference

Features / Behavior Changes	Release Introduced / Modified	Default
<a href="#">Two Protocol Pod Replicas on Single Server, on page 1</a>	2023.03.0	Disabled – Configuration required to enable
<a href="#">New Failure Handling Messages, on page 2</a>	2023.03.0	Not Applicable

### Two Protocol Pod Replicas on Single Server

#### Feature Summary and Revision History

##### Summary Data

*Table 1: Summary Data*

Applicable Product(s) or Functional Area	AMF
Applicable Platform(s)	SMI
Feature Default Setting	Enabled - Always-on
Related Documentation	Not Applicable

## Revision History

*Table 2: Revision History*

Revision Details	Release
Changes to spawning of protocol endpoint pods in a single-server deployment scenario	2023.03.0
Sub-feature introduced. SCTP High Availability Service	2022.01.0
First introduced.	2021.04.0

## Feature Description

In a single-server deployment scenario, AMF allows spawning of two protocol endpoint pod replicas on the same node to support resiliency.

AMF achieves this functionality by enabling **k8s single-node true** in the AMF Ops center.

For information on deploying AMF on a single server, contact your Cisco account representative.

For more information on this feature, refer to the [UCC 5G AMF Configuration and Administration Guide > High Availability Services](#) Chapter.

## New Failure Handling Messages

### Feature Summary and Revision History

#### Summary Data

*Table 3: Summary Data*

Applicable Product(s) or Functional Area	AMF
Applicable Platform(s)	SMI
Feature Default Setting	Enabled – Always-on
Related Documentation	Not Applicable



## Revision History

**Table 4: Revision History**

Revision Details	Release
Supported the following failure handing message types: <ul style="list-style-type: none"><li>• UdmSdmGetUeAmSubscriptionData</li><li>• AmfCommReleaseUeContext</li></ul>	2023.03.0
Introduced local cause code support for the ims-vops-failure condition.	2022.02.0
First introduced.	2022.01.0

## Feature Description

AMF supports the following new message types as part of the failure handling template configuration.

- UdmSdmGetUeAmSubscriptionData
- AmfCommReleaseUeContext

For more information, refer to the [UCC 5G AMF Configuration and Administration Guide > Failure and Error Handling Support](#) Chapter.

