



# Release Notes for UCC 5G cnSGWc, Release 2026.02.0

---

# Contents

Ultra Cloud Core - Serving Gateway Function, Release 2026.02.0 .....	3
New software features .....	3
Changes in behavior .....	4
Resolved issues .....	4
Open issues .....	5
Compatibility .....	5
Supported software packages .....	5
Related resources .....	7
Legal information .....	8

## Ultra Cloud Core - Serving Gateway Function, Release 2026.02.0

This Release Notes identifies changes and issues related to the software release of Ultra Cloud Core (UCC) Serving Gateway Control Plane Function (cnSGWc).

The key highlight of this release includes:

- **Enhanced subscriber session management and filtering:** Adds new filtering criteria to session management commands, enabling targeted monitoring and bulk clearing of specific subscriber subsets to improve operational efficiency.

For more information about Ultra Cloud Core - Serving Gateway Control Plane Function, see the [Related resources](#) section.

### Release lifecycle milestones

The following table provides EoL milestones for Cisco UCC cnSGWc software:

**Table 1.** EoL milestone information for UCC cnSGWc, Release 2026.02.0

Milestone	Date
First Customer Ship (FCS)	23-Apr-2026
End of Life (EoL)	23-Apr-2026
End of Software Maintenance (EoSM)	22-Oct-2027
End of Vulnerability and Security Support (EoVSS)	22-Oct-2027
Last Date of Support (LDoS)	31-Oct-2028

These milestones and the intervals between them are defined in the [Cisco Ultra Cloud Core \(UCC\) Software Release Lifecycle Product Bulletin](#) available on cisco.com.

### New software features

This section provides a brief description of the new software features introduced in this release.

**Table 2.** New software features for UCC cnSGWc, Release 2026.02.0

Product impact	Feature	Description
Software Reliability	<a href="#">Enhanced session management and clearing options for cnSGWc</a>	<p>This feature introduces new filtering parameters to the existing show and clear subscriber commands. These enhancements allow operators to target sessions based on their activity state (idle or active) or the specific duration the session has been connected. Additionally, a max-count limit can be applied to restrict the number of sessions processed or displayed, providing better control over system resources during bulk operations.</p> <p><b>Commands introduced:</b></p> <p>The following options are added to the show subscriber, show subscriber count, and clear subscriber commands:</p> <ul style="list-style-type: none"> <li>• <b>sub-state:</b> Filters or clears sessions based on the subscriber's current activity state. <ul style="list-style-type: none"> <li>○ <b>active:</b> Targets sessions currently in an active state.</li> <li>○ <b>idle:</b> Targets sessions currently in an idle state.</li> </ul> </li> <li>• <b>connected-duration:</b> Filters or clears sessions based on the length of time the session has been connected. <ul style="list-style-type: none"> <li>○ <b>greater-than &lt;seconds&gt;:</b> Targets sessions connected longer than the specified value.</li> <li>○ <b>lesser-than &lt;seconds&gt;:</b> Targets sessions connected for less than the specified value.</li> </ul> </li> <li>• <b>max-count:</b> Limits the number of subscriber sessions returned or cleared. <ul style="list-style-type: none"> <li>○ <b>lesser-than &lt;value&gt;:</b> Specifies the maximum number of sessions to be impacted by the command.</li> </ul> </li> </ul>

## Changes in behavior

There are no behavior changes in this specific software release.

## Resolved issues

This table lists the resolved issues in this specific software release.

**Note:** This software release may contain bug fixes first introduced in other releases. To see additional information, click the bug ID to access the [Cisco Bug Search Tool](#). To search for a documented Cisco product issue, type in the browser: <bug\_number> site:cisco.com.

**Table 3.** Resolved issues for UCC cnSGWc, Release 2026.02.0

Bug ID	Description
<a href="#">CSCwt78846</a>	cnSGW not sending sx-delete-req to UPF after sla timer expired leading to stale session.
<a href="#">CSCwt66198</a>	Session Reports are missed by cn-SGW due to UPF sending session report on

Bug ID	Description
	stale SEID.

## Open issues

This table lists the open issues in this specific software release.

Note: This software release may contain open bugs first identified in other releases. To see additional information, click the bug ID to access the [Cisco Bug Search Tool](#). To search for a documented Cisco product issue, type in the browser: <bug\_number> site:cisco.com.

**Table 4.** Open issues for UCC cnSGWc, Release 2026.02.0

Bug ID	Description
<a href="#">CSCwt67446</a>	cnSGW not reporting User location changes in CDR for an EBI of subscriber with Multiple default bearers (same QCI and same APN).

## Compatibility

This section lists compatibility information of the Cisco UCC software products that are verified to work with this version of the UCC cnSGWc software.

**Table 5.** Compatibility information for UCC cnSGWc, Release 2026.02.0

Product	Supported Release
Ultra Cloud Core SMI	2026.02.1.07
Ultra Cloud CDL	2.2.0
Ultra Cloud Core UPF	2026.02.0
Ultra Cloud cnSGWc	2026.02.0

## Supported software packages

This section provides information about the release packages associated with UCC cnSGWc software.

**Table 6.** Software packages for UCC cnSGWc, Release 2026.02.0

Software Package	Description	Release
ccg-2026.02.0.SPA.tgz	The offline release signature package. This package contains the deployment software, NED package, as well as the release signature, certificate, and verification information.	2026.02.0
ncs-6.4.8.2-ccg-nc-1.1.2026.02.0.tar.SPA.tgz	The NETCONF NED package. This package includes all the yang files that are used for NF configuration.	6.4.8.2
ncs-6.1.14-ccg-nc-1.1.2026.02.0.tar.SPA.tgz	Note that NSO is used for the NED file creation.	6.1.14

## Cloud native product version numbering system

The show helm list command displays detailed information about the version of the cloud native product currently deployed.

**Figure 1. Cloud native product versioning format and description**  
Versioning: Format & Field Description

**YYYY.RN.MN[.TTN] [.dN] [.MR][.iBN]**

Where,

<p><b>YYYY</b> → 4 Digit year.</p> <ul style="list-style-type: none"> <li>• Mandatory Field.</li> <li>• Starts with 2020.</li> <li>• Incremented after the last planned release of year.</li> </ul> <p><b>RN</b> → Major Release Number.</p> <ul style="list-style-type: none"> <li>• Mandatory Field.</li> <li>• Starts with 1.</li> <li>• Support preceding 0.</li> <li>• Reset to 1 after the last planned release of a year(YYYY).</li> </ul> <p><b>MN</b> → Maintenance Number.</p> <ul style="list-style-type: none"> <li>• Mandatory Field.</li> <li>• Starts with 0.</li> <li>• Does not support preceding 0.</li> <li>• Reset to 0 at the beginning of every major release for that release.</li> <li>• Incremented for every maintenance release.</li> <li>• Preceded by "m" for bulbs from main branch.</li> </ul>	<p><b>TTN</b> → Throttle of Throttle Number.</p> <ul style="list-style-type: none"> <li>• Optional Field, Starts with 1.</li> <li>• Precedes with "t" which represents the word "throttle or throttle".</li> <li>• Applicable only in "Throttle of Throttle" cases.</li> <li>• Reset to 1 at the beginning of every major release for that release.</li> </ul> <p><b>DN</b> → Dev branch Number</p> <ul style="list-style-type: none"> <li>• Same as TTN except Used for DEV branches.</li> <li>• Precedes with "d" which represents "dev branch".</li> </ul> <p><b>MR</b> → Major Release for TOT and DEV branches</p> <ul style="list-style-type: none"> <li>• Only applicable for TOT and DEV Branches.</li> <li>• Starts with 0 for every new TOT and DEV branch.</li> </ul> <p><b>BN</b> → Build Number</p> <ul style="list-style-type: none"> <li>• Optional Field, Starts with 1.</li> <li>• Precedes with "i" which represents the word "interim".</li> <li>• Does not support preceding 0.</li> <li>• Reset at the beginning of every major release for that release.</li> <li>• Reset of every throttle of throttle.</li> </ul>
---	---

523483

The appropriate version number field increments after a version has been released. The new version numbering format is a contiguous sequential number that represents incremental changes between releases. This format facilitates identifying the changes between releases when using Bug Search Tool to research software releases

## Software integrity version

To verify the integrity of the software image you have from Cisco, you can validate the SHA512 checksum information against the checksum identified by Cisco for the software.

Image checksum information is available through **Cisco.com Software Download Details**. To find the checksum, hover the mouse pointer over the software image you have downloaded.

**Figure 2. Sample of converged core gateway software image**

The screenshot shows a software download page for 'Ultra Cloud Core - Session Management Function'. A 'Details' popup window is open, displaying the following information:

- Description: SMF CCG image signature package
- Release: 2023.01.6
- Release Date: 02-Aug-2023
- FileName: ccg.2023.01.6.SPA.tgz
- Size: 2952.10 MB (3095503046 bytes)
- MD5 Checksum: dff0817c27482614dac8b88471427bf
- SHA512 Checksum: 42d1c1fec15d90b057bea1d7c4313bae...

The main page features a table with the following data:

Release Date	Size
02-Aug-2023	2952.10 MB

523482

At the bottom you find the SHA512 checksum, if you do not see the whole checksum you can expand it by pressing the "..." at the end.

To validate the information, calculate a SHA512 checksum using the information in the following table and verify that it matches the one provided on the software download page.

To calculate a SHA512 checksum on your local desktop, see this table.

**Table 7.** Checksum calculations per operating system

Operating System	SHA512 checksum calculation command examples
Microsoft Windows	Open a command line window and type the following command: <pre>&gt; certutil.exe -hashfile &lt;filename.extension&gt; SHA512</pre>
Apple MAC	Open a terminal window and type the following command: <pre>\$ shasum -a 512 &lt;filename.extension&gt;</pre>
Linux	Open a terminal window and type the following command: <pre>\$ sha512sum &lt;filename.extension&gt;</pre> <p style="text-align: center;">OR</p> <pre>\$ shasum -a 512 &lt;filename.extension&gt;</pre>
<b>Note:</b> <filename> is the name of the file. <extension> is the file type extension (for example, .zip or .tgz).	

If the SHA512 checksum matches, you can be sure that no one has tampered with the software image or the image has not been corrupted during download.

If the SHA512 checksum does not match, we advise you not to attempt upgrading any systems with the corrupted software image. Download the software again and verify the SHA512 checksum again. If there is a constant mismatch, please open a case with the Cisco Technical Assistance Center.

### Certificate validation

The software images are signed via x509 certificates. For information and instructions on how to validate the certificates, refer to the README file packaged with the software

### Related resources

This table provides key resources and links to the support information and essential documentation for cnSGWc and other Ultra Cloud Core (UCC) products.

**Table 8.** Related resources and additional information

Resource	Link
cnSGWc documentation	<a href="#">Serving Gateway Function</a>
SMF documentation	<a href="#">Session Management Function</a>
SMI documentation	<a href="#">Subscriber Microservices Infrastructure</a>
UPF documentation	<a href="#">User Plane Function</a>
Service request and additional information	<a href="#">Cisco Support</a>

---

## Legal information

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: [www.cisco.com/go/trademarks](http://www.cisco.com/go/trademarks). Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)

Any Internet Protocol (IP) addresses and phone numbers used in this document are not intended to be actual addresses and phone numbers. Any examples, command display output, network topology diagrams, and other figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses or phone numbers in illustrative content is unintentional and coincidental.

© 2026 Cisco Systems, Inc. All rights reserved.