UCC 5G RCM Release Notes, Release 2025.02.0

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Redundancy Configuration Manager

Introduction

This Release Notes identifies changes and issues related to this software release.

Release Lifecycle Milestones

Release Lifecycle Milestone	Milestone	Date
First Customer Ship	FCS	30-Apr-2025
End of Life	EoL	30-Apr-2025
End of Software Maintenance	EoSM	29-Oct-2026
End of Vulnerability and Security Support	EoVSS	29-Oct-2026
Last Date of Support	LDoS	31-Oct-2027

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.

Release Package Version Information

Software Packages	Version
rcm.2025.02.0.SPA.tgz	2025.02.0
NED package	ncs-6.1.14-rcm-nc-2025.02.0 ncs-6.4.3-rcm-nc-2025.02.0
NSO	6.1.14 6.4.3

Verified Compatibility

Products	Version
Ultra Cloud Core SMI	2025.02.1.17

Products	Version
CDL	1.12.1
Ultra Cloud Core UPF	2025.02.0

What's New in this Release

Features and Enhancements

There are no features and enhancements in this release.

Behavior Changes

There are no behavior changes in this release.

Installation and Upgrade Notes

This Release Note does not contain general installation and upgrade instructions. Refer to the existing installation documentation for specific installation and upgrade considerations.

RCM Ops Center Logging Levels

It is recommended to use the following logging levels for RCM Ops Center to ensure that logs do not overflow.

```
logging level application debug
logging level transaction debug
logging level tracing off

logging name infra.dpd.core level application off
logging name infra.dpd.core level transaction off
logging name infra.dpd.core level tracing off
logging name infra.application.core level application off
logging name infra.application.core level transaction off
logging name infra.application.core level tracing off

logging name infra.etcd_client.core level application warn
logging name infra.etcd_client.core level transaction warn
logging name infra.etcd_client.core level tracing off
logging name infra.dispatcher.core level application warn
logging name infra.dispatcher.core level transaction warn
logging name infra.dispatcher.core level tracing off
logging name infra.virtual_msg_queue.core level application warn
logging name infra.virtual_msg_queue.core level transaction warn
logging name infra.virtual_msg_queue.core level tracing off
logging name infra.edr.core level application warn
logging name infra.edr.core level transaction warn
logging name infra.edr.core level tracing off
logging name infra.ipcstream.core level application warn
logging name infra.ipcstream.core level transaction warn
logging name infra.ipcstream.core level tracing off
logging name infra.memory_cache.core level application warn
logging name infra.memory_cache.core level transaction warn
logging name infra.memory_cache.core level tracing off
logging name infra.topology_lease.core level application warn
```

```
logging name infra.topology_lease.core level transaction warn
logging name infra.topology_lease.core level tracing off
logging name infra.ipc_action.core level application warn
logging name infra.ipc_action.core level transaction warn
logging name infra.ipc_action.core level tracing off
logging name infra.vrf_etcd_update.core level application warn
logging name infra.vrf_etcd_update.core level transaction warn
logging name infra.vrf_etcd_update.core level tracing off
logging name infra.config.core level application warn
logging name infra.config.core level transaction warn
logging name infra.config.core level tracing off
logging name infra.heap_dump.core level application warn
logging name infra.heap_dump.core level transaction warn
logging name infra.heap_dump.core level tracing off
logging name infra.resource_monitor.core level application warn
logging name infra.resource_monitor.core level transaction warn
logging name infra.resource_monitor.core level tracing off
logging name infra.topology.core level application warn
logging name infra.topology.core level transaction warn
logging name infra.topology.core level tracing off
logging name infra.transaction.core level application warn
logging name infra.transaction.core level transaction warn
logging name infra.transaction.core level tracing off
logging name infra.diagnostics.core level application warn
logging name infra.diagnostics.core level transaction warn
logging name infra.diagnostics.core level tracing off
```

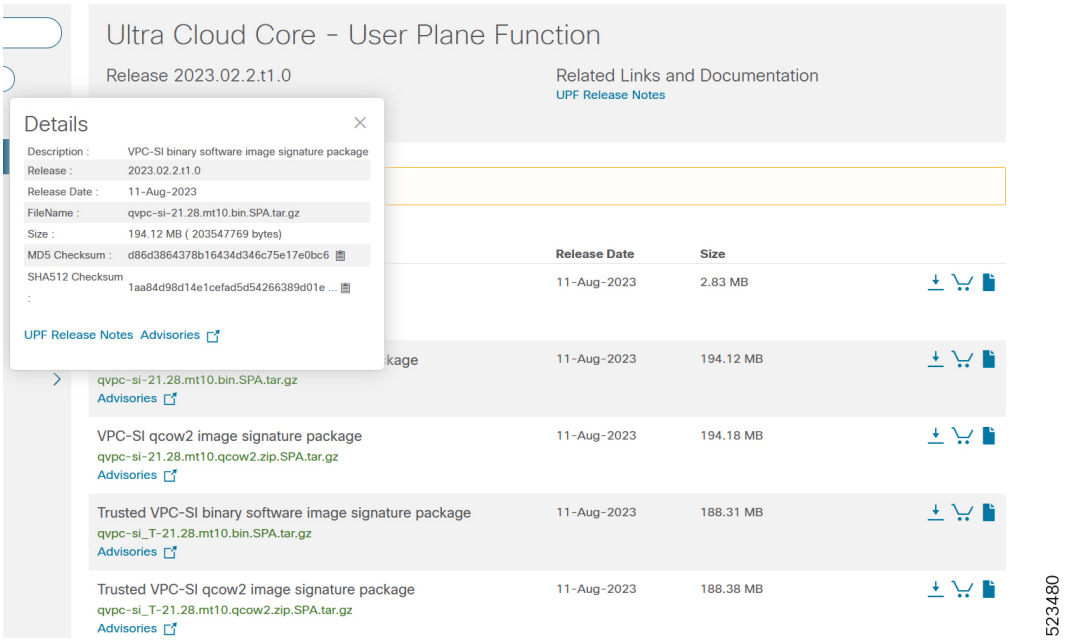
Software Integrity Verification

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.

The following screenshot is an example of a UPF release posted in the Software Download page.

Figure 1:



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 Table 1 and verify that it matches either the one provided on the software download page.

To calculate a SHA512 checksum on your local desktop, refer to the following table.

Table 1: Checksum Calculations per Operating System

Operating System	SHA512 checksum calculation command examples
Microsoft Windows	Open a command line window and type the following command: **`> certutil.exe -hashfile`** *`filename.extension`* **`SHA512`**
Apple MAC	Open a terminal window and type the following command: **`$ shasum -a 512`** *`filename.extension`*
Linux	Open a terminal window and type the following command: **`$ sha512sum`** *`filename.extension`* OR **`$ shasum -a 512`** *`filename.extension`*
NOTES: *filename* is the name of the file. *extension* is the file 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 to not 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

UPF software images are signed via x509 certificates. Please view the .README file packaged with the software for information and instructions on how to validate the certificates.

Open Bugs for this Release

The following table lists the open bugs in this specific software release.

Note This software release may contain open bugs first identified in other releases. Additional information for all open bugs for this release are available in the Cisco Bug Search Tool.

Bug ID	Headline
CSCwn63867	RCMv6 configuration manager does not maintain consistent format for pushed configuration files.

Resolved Bugs for this Release

The following table lists the resolved bugs in this specific software release.

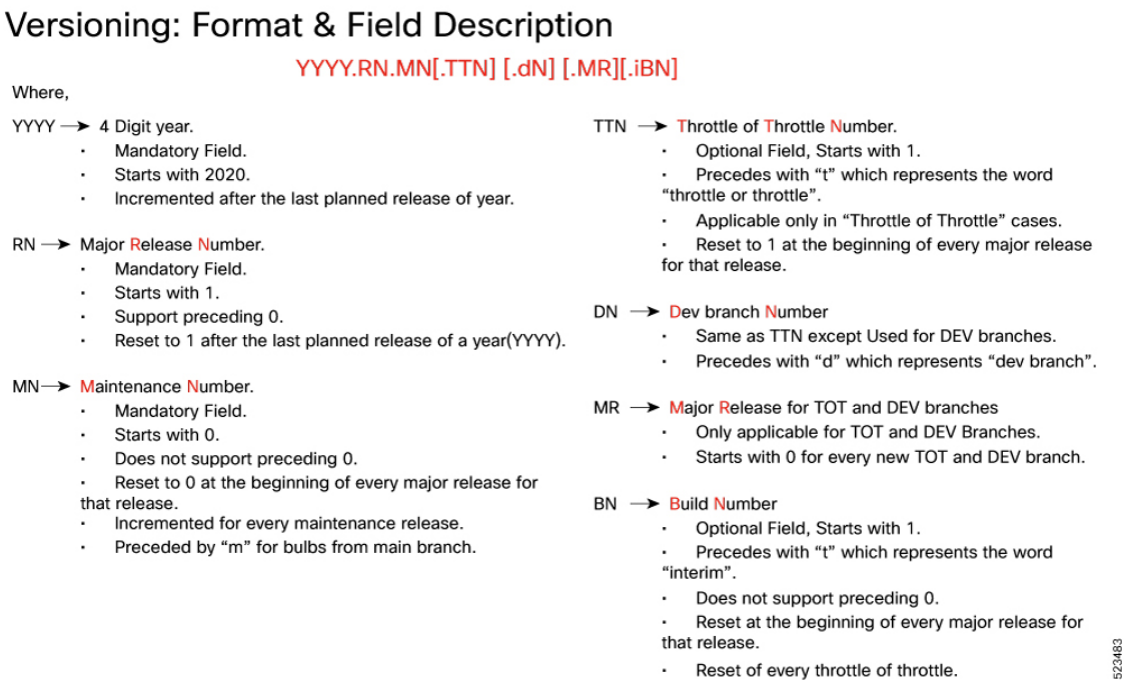
Note This software release may contain resolved bugs first identified in other releases. Additional information for all resolved bugs for this release are available in the Cisco Bug Search Tool.

Bug ID	Headline	Behavior Change
CSCwn62251	RCM - clear text community and auth-key in running configuration for k8 smf profile rcm-snmp-trapper-ep.	No

Operator Notes

Cloud Native Product Version Numbering System

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



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.

Release Package Descriptions

The following table provides descriptions for the packages that are available with this release.

Software Packages	Description
rcm.<version>.SPA.tgz	The RCM offline release signature package. This package contains the RCM deployment software, NED package, as well as the release signature, certificate, and verification information.
ncs-<nso_version>-rcm-nc-<version>.tar.gz	The NETCONF NED package. This package includes all the yang files that are used for NF configuration. Note that NSO is used for NED file creation.

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, refer to https://www.cisco.com/c/en/us/support/index.html.