



Release Notes for the Ultra Cloud Core Session Management Function

Version 2020.02.0

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Introduction

These Release Notes identify changes and issues related to this software release. This release is the first major feature release for this product.

Release Package Version Information

Software Packages	Version
smf.2020.02.0.SPA.tgz	2020.02.0

Descriptions for the various packages provided with this release are located in the [Release Package Descriptions](#) section.

Verified Compatibility

Products	Version
Ultra Cloud Core SMI	2020.02.0
Ultra Cloud Core PCF	2020.02.0
Ultra Cloud Core UPF	2020.02.0

Related Documentation

For a complete list of documentation available for this release, go to:

<https://www.cisco.com/c/en/us/support/wireless/ultra-cloud-core-session-management-function/tsd-products-support-series-home.html>

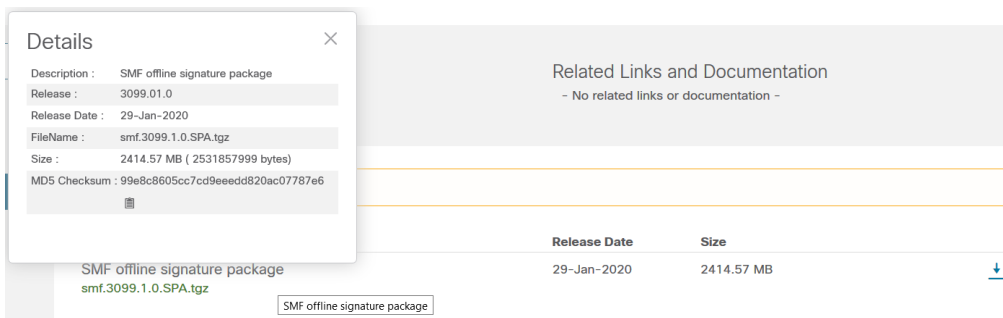
Installation and Upgrade Notes

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

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.



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 please see the table below.

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 <code>> certutil.exe -hashfile <filename>.<extension> SHA512</code>
Apple MAC	Open a terminal window and type the following command <code>\$ shasum -a 512 <filename>.<extension></code>
Linux	Open a terminal window and type the following command <code>\$ sha512sum <filename>.<extension></code> Or <code>\$ shasum -a 512 <filename>.<extension></code>
NOTES:	
<code><filename></code> is the name of the file. <code><extension></code> is the file extension (e.g. .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

SMF 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 known bugs that were found in this software release and which remain open.

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
CSCvt62316	SMF-REGRESSION : SMF Rejecting PreDefined activation for 4G calls
CSCvt69765	[SMF-SVI]Proto ERROR, scheduled BG transaction;Unsupported REQ Message received, MsgType 26 seqNum 0
CSCvt71688	SMF not sending Remove URRs for all deleted ded brr in N4 modify post 5G to 4G HO during Wifi epsfb
CSCvt79335	UDM de registration is happening during 4G detach during Idle mode EPS FB.
CSCvt81417	[SMF] [Charging] RemoveURR is not sending in N4 Mod Req incase of change in ChrgDesc
CSCvt85697	[SVI-SMF] Wifi-5G-EPSFB not working when all dedicated flow rejected by N2
CSCvt90037	SMF not sending Remove URR & it is including Urrid in QueryURR for gNB rejected flow during WIFepsfb
CSCvt90609	4g to 5g HO got failed when it collide with CBR pocedure
CSCvt95054	[SVI-SMF] Wifi-5G-EPSFB PDU UnTrusted WiFi to 5G to EPS Fallback stats support
CSCvt97943	[SVI SMF] small num of 404 not found errors on n2ho with partial fail for PDU session mod complete
CSCvt99140	[SMF-IVT] Clear subscriber shd not be initiatd whn UPF does nt respnd Session mod wit no action cfgd
CSCvt99683	SMF not removing PDR/FAR/QER/URR when PccRule deleted & FailedQFI received from NR during WIFtoNRHO
CSCvu00590	[SVI-SMF] smf-service [ERROR] [TftUtils.go:129] [smf-service1 1.smf-app.gen] tft list full
CSCvu00941	[SMF-IVT] DL FARs are not removed in N4 during 5G to 4G HO for failed bearers in MBReq
CSCvu03676	REGRESSION : Voice call deletion leading to PDU deletion after CSFB
CSCvu04411	[SMF-IVT] Partially accepted bearers in CBRes from EPDG to be handled in 5G to WIFI HO

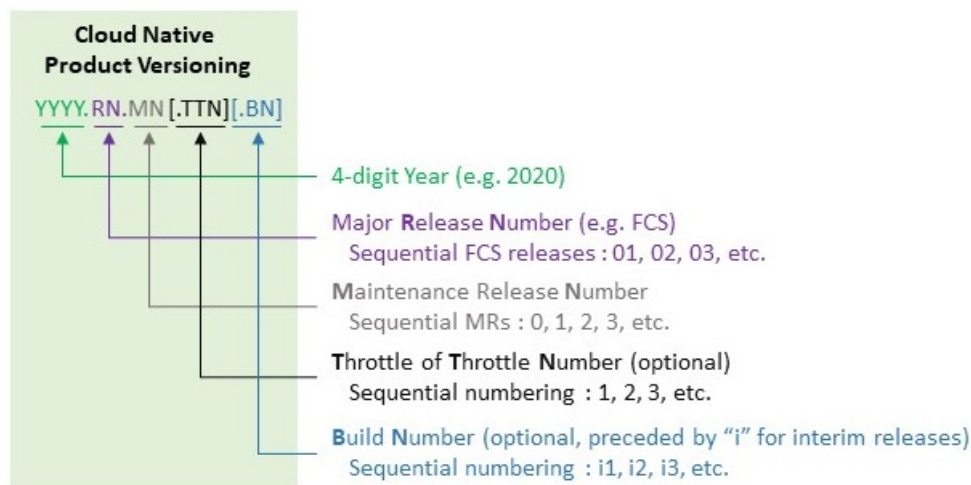
Resolved Bugs for This Release

This section is not applicable as this is the initial release.

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

[Table 2](#) lists provides descriptions for the packages that are available with this release.

Table 2 - Release Package Information

Software Packages	Description
smf.<version>.SPA.tgz	The SMF offline release signature package. This package contains the SMF deployment software as well as the release signature, certificate, and verification information.

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>.

Obtaining Documentation and Submitting a Service Request

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