Release Notes for the Ultra Cloud Core Access and Mobility Management Function Version 2021.04.0

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Introduction

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

Release Package Version Information

Software Packages	Version
amf.2021.04.0.SPA.tgz	2021.04.0
cdl-1.5.2-amf-2021.04.0.SPA.tgz	1.5.2

Descriptions for the various packages provided with this release are available in the Release Package Descriptions section.

Verified Compatibility

Products	Version
Ultra Cloud Core SMI	2020.02.2.41
Ultra Cloud CDL	1.5.2

For information on the Ultra Cloud Core SMI release, refer to the SMI documents available at:

https://www.cisco.com/c/en/us/support/wireless/ultra-cloud-core-subscriber-microservices-infrastructure/series.html

Related Documentation

For the complete list of documentation available for this release, go to: https://www.cisco.com/c/en/us/support/wireless/ultra-cloud-core-access-mobility-management-function/products-installation-and-configuration-guides-list.html

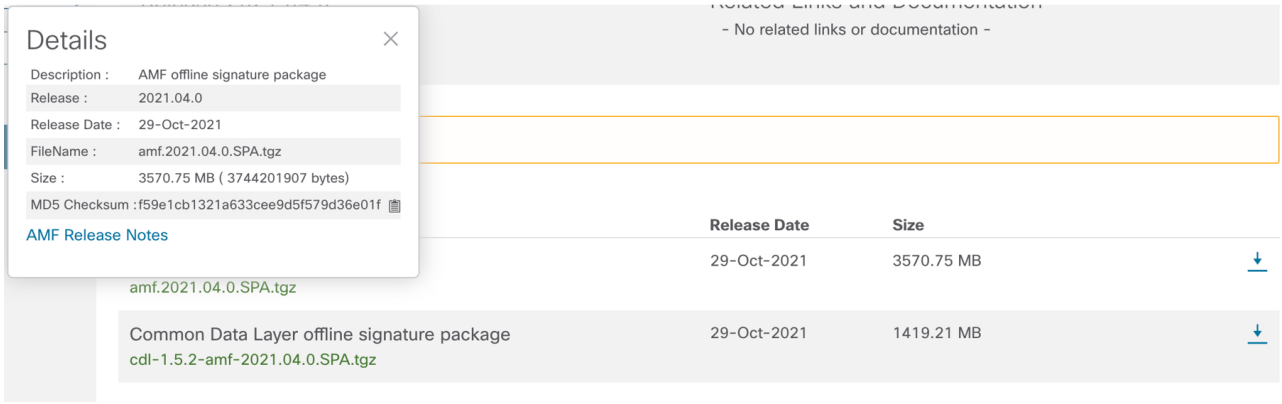
Installation and Upgrade Notes

This Release Notes 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 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 > 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 (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

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.

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.

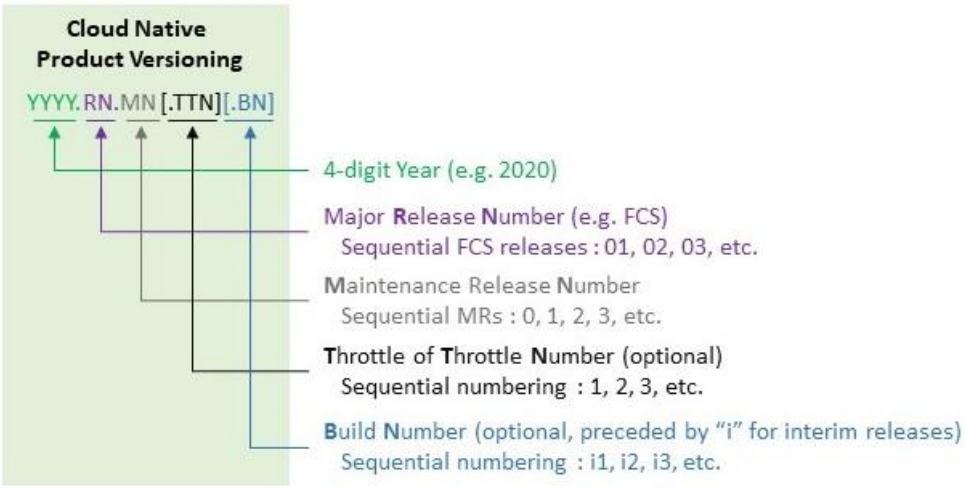
Bug ID	Headline
CSCvy35232	Reg Accept Retransmission Encoding Error
CSCvz05831	Paging Collison handling issue with Different ARP values coming N1N2 Message
CSCvz68464	Retry=0 for t3522 still retry of msg happening
CSCvz68479	Max retry for t3522 not happening for all retry
CSCvz71270	t3502 not sending default value when not configured
CSCvz86383	AMF need to remove the unapplicable endpoint from 'show endpoint all' o/p
CSCvz98876	N1RegComplete and N1RegRequest not considering PeriodicRegistration/mobility Registration
CSCvz99540	AMF: IN EAP-AKA After ERROR CODE 404 we are not able to get Authentication Reject
CSCwa03405	AMF is not sending NRF Register Req with updated value for NRF update cases
CSCwa05316	amf-service-n1-1 pod got restarted during Paging call model running
CSCwa09562	Error flooding during longevity - Host not found for affinity for key

Resolved Bugs for this Release

None for the first release.

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 provide descriptions for the packages that are available with this release.

Table 2 - Release Package Information

Software Packages	Description
amf.<version>.SPA.tgz	The offline release signature package. This package contains the 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.

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