Unify OpenScape 4000 Loadware V11

Release Notes

Software Version: V11 R0.22.2

2024-06-07

☐ Major Release ☐ Minor Release ☐ Fix Release ☒ Hotfix Release

Current release status can be verified via the Software Supply Server (SWS)

Deliverables

☐ Full Release ☒ Delta Release

Export Control Classification Data

AL: 5D002C1 ECCN: 5D002TSU

Release Notes Version: V1.1

About this document

This document provides general information about the release, generics, and other relevant notes for the corresponding product and its correction versions.

NOTICE

Unify OpenScape 4000 Loadware
2024-06-07

Delivered Files

Product Item Number		File Name
1	P30152-P1698-L1-2	LW_V11_R0_22_**X**.zip
2		
3		

Table of Contents

1. History of Change

1.1. Release Notes content

Version	Date	Description of changes
1.1	2024-04-08	LW-HF V11 R0.22.1
1.2	2024-06-07	LW-HF V11 R0.22.2

1.2. Product versions history

Software Version	Production Version	Date	Remarks
V11 R0.22.0	V11 R0.22.0 - OS4K RLC Upgrade Package (ASS V11 R0.22.0, CSTA V11 R0.22.0, PLT V11R0.22.0, MGR V11 R0.22.0)	2024-03-22	

Note: List of all released software versions since [major] or [minor] software release in SWS

2. Changes

2.1. Implemented Change Requests / New features

Not applicable for this release

Tracking Reference	Internal Reference	Summary	Released in Version

2.2. Resolved Reported Problems / Symptoms

Tracking Reference	Internal Reference	Summary	Released in Version
		For details see attached "Problems_fixed_LW-HF__V11_R0_22_1.xls" from Nuxeo.	

2.3. Resolved Vulnerabilities

Not applicable for this release

Tracking Reference	Internal Reference	Severity Level	Summary	Released in Version
PRB00007 2702	OSFOURK-26310	**Low**	SoftGate, STMIX: secure SIP port 5061 offered Anonymous ciphers when not in SPE	V11 R0.22.1

Note: It is strongly recommended applying the fix version if it includes resolved vulnerabilities.

3. Important Issues, Workarounds, Hints and Restrictions

This section provides the latest information at time of software release and is only pertaining to the time of release notes generation.

H323 Trunking is only supported for XPR connectivity.

When upgrading systems CMI V7 for pure SLC24 deployments (meaning SLMC boards are not included) from a previous RLC, should instability problems be noticed, then the previous used stable LW (prior to upgrade) should be activated again.

Should this step be required, then a Service Ticket should be raised reporting the new experienced issues as usual process. It should also be stated to which LW version the system was returned to.

Attention: Please do not make a backup of the old LW-versions on the :PDS: area, because the lack of free space here can lead to RMX-HF activation failure. At least 10 MB should remain free on :PDS:, therefore the :DIAG: area should be used for any LW backups.

STMIX mSATA disk lifetime optimization (especially important for boards with low utilization)

OpenScape 4000 STMIX boards (Q2343-X) with limited or no call activity can suffer from a reduced SSD lifetime.

Boards affected by this symptom were delivered after Q3/2019 when the mSATA SSD controller was changed as part of a normal HW component update.

Boards may continue to function depending on configuration and usage. The problem may only be noticed after increased activity such as an RLC update.

Starting with L0-T4T.A9.234 / pzksgw50.A9.234 the loadware will make a mSATA firmware update for affected STMIX to prevent this issue from worsening, and to introduce new HISTA and SNMP alerts if the device is affected.

Unify strongly recommends updating all STMIX boards with this minimum version. If an STMIX LW update is not possible, see KB entry or ticket should be opened to Unify.

For further details please see **KB000107059**

Diagnosis feature "Secure Trace" has been deprecated for SoftGate, Enterprise Gateway, STMIX, STMI and NCUI cards since Secure Trace certificates are not available anymore.

Instead use internal traces for diagnosis or try to reproduce a problem without SPE enabled.

3.1. Important Issues

Not applicable for this release

Tracking Reference	Internal Reference	Summary	Workaround / Actions

3.2. Workarounds, Hints

Not applicable for this release

Tracking Reference	Internal Reference	Summary	Workaround / Actions
	OSFOURK-27166	STMI2/4 Management IP (MIPADR of MANLANIF) on LAN2 not working when IPDA LAN1 is disconnected	Keep LAN1 cable connected
PRB00007 2461	OSFOURK-26394	Configuring on STMI board a Management IP with CGWB MANLANIF needs additional RES-BSSU	If these parameters are changed, the boards have to be reset twice in order to obtain the modified data. The first reset provides the new configuration data to the affected boards and the second reset activates it.

3.3. Restrictions

Dependency to XPR version:

Minimum XPR versions are:
XPR **V8 R1.2.1** (Build 17031) + Hotfix **Telematic-811FR2-1726 o**r XPR **V8 R1.3.0** (Build 17349) without HF
XPR **V6 R2.7.17359**

OPUS codec implementation in SoftGate A8 LW uses an earlier version of RFC7587 from late 2014 which supports, among others, also the optional parameter minptime.
The workaround is to remove OPUS from the list of used codecs (CGWB/ASC branch).

Starting with OpenScape 4000 V11 you can use SPE certificates generated with ECDSA Signature Algorithm (a.k.a. "ECDSA certificates") for OpenScape 4000 SoftGate and STMIX for SIP and HFA TLS signaling. For H.323 trunking on OpenScape 4000 SoftGate and STMIX ECDSA certificates are not supported, here traditional RSA certificates have to be used. HG3500 STMI2/4 boards do not support ECDSA certificates, here traditional RSA certificates have to be used.

Restrictions:

- SIPQ trunk is not working yet with ECDSA certificates
- OpenStage phones do not support ECDSA certificates

Tracking Reference	Internal Reference	Summary	Workaround / Actions
	OSFOURK-26784	SIPQ trunk not working with ECDSA	

4. Installation and Upgrade / Update

4.1. Installation

4.2. Upgrade / Update / Migration

The precondition for the activation of a LW-Hotfix is the V11 R0.22.0.

4.2.1. Fallback

There is the possibility to deactivate LW-HF's in case of critical errors found after the last activation.

The deactivation button can be found in OpenScape 4000 Assistant --> Software Management --> Software Activation --> Hotfix Deactivation.
The deactivation of LW-HF's is done only for the last activation-step.

4.3. Content of the LW-HF and about manual activation

1. This LW Hotfix can be downloaded from SWS as a zip-file: "LW_V11_R0_22_x.zip".
Download this zip-file on your PC.

2. Unzip "LW_V11_R0_22_x.zip" ->
A directory "\OpenScape4000V11\LW_V11_R0_22_x" is created.

This directory has the exact structure used on the :PDS: area of OpenScape4000 RMX-HD for storing the LW.

The whole directory should be copied or dragged & dropped onto the :PDS: area via ComWin -> File Transfer, overwriting the existing LW files.

There is a "readme.txt" file containing Loadware-Version information.

The files included are – **for example**:
\OpenScape4000V11\LW_V11_R0_22_x\readme.txt
\OpenScape4000V11\LW_V11_R0_22_x\APSC\CLW\cdscrtm0
\OpenScape4000V11\LW_V11_R0_22_x\APSC\CLW\cecortm0
\OpenScape4000V11\LW_V11_R0_22_x\APSP\LTG\LG73\pzdsmp10
\OpenScape4000V11\LW_V11_R0_22_x\APSP\LTG\LG74\pzfcdg00
\OpenScape4000V11\LW_V11_R0_22_x\APSP\LTG\LG80\pzeslac0
\OpenScape4000V11\LW_V11_R0_22_x\APSP\LTG\LG80\pzesla40
\OpenScape4000V11\LW_V11_R0_22_x\APSP\LTG\LG82\pzfdmtbk
\OpenScape4000V11\LW_V11_R0_22_x\APSP\LTG\LG82\pzfdunbk
\OpenScape4000V11\LW_V11_R0_22_x\APSP\LTG\LG82\pzfdunmk
\OpenScape4000V11\LW_V11_R0_22_x\APSP\LTG\LG83\pzdsmo10
\OpenScape4000V11\LW_V11_R0_22_x\APSP\LTG\LG93\pzdslc27
\OpenScape4000V11\LW_V11_R0_22_x\APSP\LTG\LG98\pzksti40
\OpenScape4000V11\LW_V11_R0_22_x\APSP\LTG\LG99\pzgtman0
\OpenScape4000V11\LW_V11_R0_22_x\APSP\LTG\LGA0\pzknci40

\OpenScape4000V11\LW_V11_R0_22_x\APSP\LTG\LGA0\pzksgw50
\OpenScape4000V11\LW_V11_R0_22_x\APSP\LTG\LGA1\pzfdue10
\OpenScape4000V11\LW_V11_R0_22_x\APSP\LTG\LGA1\pzfdun20
\OpenScape4000V11\LW_V11_R0_22_x\APSP\LTG\LGA2\pzfdca20

3. To initiate the loading of the new Loadwares to the boards the following steps should be performed:

HG3500 / SLC / DIU2U / CDG / SLMA / SLMO / TMDNH
==========
Either reset all boards of one type using the "Board Part Number" and the "Fuctional Id":
RESTART-BSSU:ADDRTYPE=PARTNO,PARTNO=,FCTID=;
or reset a specific board by specifying the PEN number:
RESTART-BSSU:ADDRTYPE=PEN,LTU=,SLOT=;

Examples:
PZFDUNBK
RESTART-BSSU:ADDRTYPE=PARTNO,PARTNO=Q2216-X,FCTID=5;
PZFDUNMK
RESTART-BSSU:ADDRTYPE=PARTNO,PARTNO=Q2216-X,FCTID=6;
PZFCDG00
RESTART-BSSU:ADDRTYPE=PARTNO,PARTNO=Q6401-X,FCTID=3;
RESTART-BSSU:ADDRTYPE=PARTNO,PARTNO=Q6400-X888,FCTID=3;
PZESLA40
RESTART-BSSU:ADDRTYPE=PARTNO,PARTNO=Q2199-X,FCTID=0;
RESTART-BSSU:ADDRTYPE=PARTNO,PARTNO=Q2225-X,FCTID=0;
PZDSMP10
RESTART-BSSU:ADDRTYPE=PARTNO,PARTNO=Q2169-X100,FCTID=1;
PZDSLC25
RESTART-BSSU:ADDRTYPE=PARTNO,PARTNO=Q2193-X200,FCTID=0;
PZKSTI40
RESTART-BSSU:ADDRTYPE=PARTNO,PARTNO=Q2324-X500,FCTID=1;
RESTART-BSSU:ADDRTYPE=PARTNO,PARTNO=Q2324-X510,FCTID=1;
RESTART-BSSU:ADDRTYPE=PARTNO,PARTNO=Q2316-X ,FCTID=1;
RESTART-BSSU:ADDRTYPE=PARTNO,PARTNO=Q2316-X10 ,FCTID=1;
PZESLAC0
RESTART-BSSU:ADDRTYPE=PARTNO,PARTNO=Q2191-C,FCTID=0;
RESTART-BSSU:ADDRTYPE=PARTNO,PARTNO=Q2191-X,FCTID=0;
PZFDMTBK
RESTART-BSSU:ADDRTYPE=PARTNO,PARTNO=Q2192-X,FCTID=1;

HG3575
==========
The NCUI cards can be background loaded (if seemed necessary) to avoid shelf down time:
EXEC-USSU:MODE=NCUILOAD,LTU=;
Now restart NCUI card (LTU Shelf) with:
RESTART-USSU:RESTYPE=LTU,LTU=;

RTMX / EcoServer
==========
To Load the RTMX - LW a reload must be executed in the SWU.
In duplex systems each SWU Processor must receive a reload (to avoid down time in such cases, first the Standby Processor can be restarted, then a switchover performed and then finally the new Standby reloaded).

Exemples:

CDRSCRTM0
EXEC-REST:TYPE=UNIT,UNIT=BPS,RSLEVEL=RELOAD;

wait for processor Standby BP

EXEC-REST:TYPE=UNIT,UNIT=BPA,RSLEVEL=RELOAD; perform switchover
CDSCXL10
EXEC-REST:TYPE=UNIT,UNIT=A1,RSLEVEL=HARD;

CECORTM0
EXEC-REST:TYPE=UNIT,UNIT=A1,RSLEVEL=HARD;

SoftGate
==========
The Softgate-LW is not being transferred automatically from the HD to the Softgate.
There is no check of the already available Softgate-LW's.
The update and the activation can be done via Loadware UpdateManager > Assistant Gateway Manager or via WBM manually.

5. Hardware and Software Compatibility

5.1. Hardware

Not applicable for this release

5.2. Firmware

Not applicable for this release

5.3. Loadware

Not applicable for this release

5.4. Software / Applications

SIP Service Providers

For the detailed list and corresponding restrictions - see INF-13-000534

5.5. Operating systems

Not applicable for this release

5.6. Compliant products

This section lists the versions associated with the communication platforms, other products and third-party products that have been tested for use with this version of the product and are known to work.

5.6.1. Communication platforms

Hardware and software products that have been tested together with this version of the product are listed in the common compatibility matrix, which also includes the respective versions required to use with the current version of this product.

The current Common Compatibility Matrix can be found on the Unify Partner Portal https://unify.com/en/partners/partner-portal under Sell - Portfolio Information.

Note: Use the "Search & Find" option under Portfolio Information and Search Documentation for "Common Compatibility Matrix" (search on title only!).

5.6.2. Other products

Not applicable for this release

5.6.3. Third-Party products

Not applicable for this release

6. Service Information

6.1. Product tooling structure

Main Category	Communication Systems
Product Family	OpenScape 4000
Product	OpenScape 4000
Product Version	OpenScape 4000 V11
Product Item Number	**P30152-P1698-L1-2 (V11 R0.22.0)**

6.2. Case tracking system

Tickets can be generated and tracked via the WEB Support Portal (AWSP).

http://atosunify.service-now.com/unify

A short instruction can be found on the AWSP directly.

7. Documentation Reference

The product documentation can be found on the Unify Partner Portal https://unify.com/en/partners/partner-portal under Sell - Portfolio Information.

8. References

Not applicable for this release