



ISSUED : 01/12/2015

SBC SWe Release R4.2.1

The Sonus SBC SWe is a next generation software platform designed to move session border controller functions and requirements into the data center by installing the same exact software and application code that is running on the trusted Sonus SBC 5000 and SBC 7000 hardware platforms. Moving this application to commercial off-the-shelf (COTS) hardware in the data center allows more granular control over session requirements by letting the customer decide scaling requirements. Customers can now add more virtual CPUs to their COTS server if they need more media processing and interworking support; this flexibility provides you with the scalability-on-demand and provide innovation that the 21st century data center is designed for.

For nearly 2 years now, Sonus has been evolving our software based SBC solution, and is pleased to announce release 4.2.1. This release is superior in terms of user defined scale, performance and security. This newest release also represents the architecture of the future for our software SBC platforms.

R4.2.1 improves on the Sonus industry leading performance and scale by implementing the Intel Data Plane Development Kit (DPDK). The DPDK is a framework for achieving Network Processor performance from an Intel Architecture core. This improved architecture allows packets to be processed more efficiently without causing the system kernel to slow down.

This creates:

- Improved predictability and throughput of real-time packet flows
- A mitigation strategy for Denial of Service attacks in high-end configurations
- The ability for the user to tune their system by adding / removing virtual CPUs to achieve the scale they demand

R4.2.1 of the SBC SWe scales from 4 to 10 virtual CPUs on a COTS server and can achieve up to 31,500 concurrent media sessions without any degradation in performance under denial of service attacks.

With this latest release of the SBC SWe software, Sonus is also announcing the end of life for all previous major releases of SBC SWe software, including R4.1.1. All customers should upgrade to R4.2.1 to take advantage of the advanced performance, scale and security, as well as the additional features added to R4.2 version.

These additional features include:

- Video support – Phase 2: SIP-H.323 interworking support for video

- REST API – Standards based programmatic API to configure all capabilities of the SBC product line
- Enhanced EMA – Improved EMA with perspectives to allow customized / filtered navigation
- EMA Template based configurations

R4.2.1 also represents the introduction of the “generic” part numbers that were implemented for the hardware products in R4.1. These generic SKUs will always reflect the latest major release of software available on the platform. With this release, Sonus will also be moving the previous version - R4.1.1R0 – to end of life per the life cycle dates below.

The product codes that will no longer be available are listed below

EOL Product Code	Description	Replacement Product Code
SBC-SWE-25-4.1.1R0	SINGLE SBC SWE SOFTWARE WITH 25 SIP SESSIONS, SCALES TO A MAXIMUM OF 250 SESSIONS	SBC-SWE-25-BASE
SBC-SWE-25-HA-4.1.1R0	HIGH AVAILABILITY SBC SWE SOFTWARE WITH 25 SIP SESSIONS, SCALES TO A MAXIMU OF 250 SESSIONS	SBC-SWE-25-HA-BASE
SBC-SWE-250-4.1.1R0	SINGLE SBC SWE SOFTWARE WITH 250 SIP SESSIONS,	SBC-SWE-250-BASE
SBC-SWE-250-HA-4.1.1R0	HIGH AVAILABILITY SBC SWE SOFTWARE WITH 250 SIP SESSIONS	SBC-SWE-250-HA-BASE

Sonus Product Life Cycle Dates:

Milestone	Date
End of Life Announcement: Date on which Sonus has announced EOL	02/01/2015
Last Order Date: Date on which the affected products are no longer orderable	02/01/2015
Last Ship Date/Manufacturer’s Discontinuance: Date on which the products can no longer be shipped from Sonus	02/01/2015
End of Service Life: Date in which the product can no longer be supported by Sonus—calls to Sonus level 1 no longer supported, no RMA.	12/31/2015*

* Sonus TAC will continue to take calls on systems running R4.1.1, but the customer must upgrade to R4.2.1 to get the appropriate level of support going forward.

Major System	SBC SWe Release 4.1.1R0
Sub System	N/A
Hardware	N
Firmware	N
Software	Y
Plug-in	N
NEW PRODUCT CODE	SBC-SWE-25-BASE SBC-SWE-25-HA-BASE SBC-SWE-250-BASE SBC-SWE-250-HA-BASE SBC-SWE-NFR-4.2.1 SBC-SWE-NFR-HA-4.2.1
NEW FIRMWARE CODE	N/A
OLD PRODUCT CODE	SBC-SWE-25-4.1.1R0 SBC-SWE-25-HA-4.1.1R0 SBC-SWE-250-4.1.1R0 SBC-SWE-250-HA-4.1.1R0 SBC-SWE-NFR-4.1.1 SBC-SWE-NFR-HA-4.1.1
OLD FIRMWARE CODE	N/A
NEW CLEI CODE	N/A
OLD CLEI CODE	N/A
ASSOCIATED PRODUCTS	N/A
DRAWING NUMBER	N/A
REFERENCE DRAWINGS	N/A
CHANGE CLASSIFICATION	D
REASON FOR CLASS	EOPS Notice
Vacant	
REASON FOR CHANGE	End of Product Sale
DESCRIPTION OF CHANGE	End of Product Sale (EOPS) Notice
CHANGE VERIFICATION PROCEDURES	
SAFETY Y/N	N
FIRE NOTICE Y/N	N
SERVICE AFFECTING Y/N	N
TRANSMISSION AFFECTING Y/N	N
MAINTENANCE AFFECTING Y/N	Y
RELIABILITY AFFECTING Y/N	N
POWER AFFECTING Y/N	N
TRAFFIC AFFECTING Y/N	N
EFFECT OF CHANGE (*72 CHAR)	Software

MATERIAL AFFECTED	N/A
DOCUMENTATION AFFECTED (*72 CHAR)	N/A
VENDOR IMPLEMENTATION DATE MM/DD/YYYY (10 CHAR)	01/18/2014
MODIFICATION COMPLETION DATE MM/DD/YYYY (10 CHAR)	N/A
MODIFICATION LOCATION (*72 CHAR)	N/A
TRIALED (F)IELD/(L)AB/(N)A (1 CHAR)	N/A

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This bulletin is subject to the existing customer purchase agreement between the parties which shall control in the event of conflict.

The above dates are for planning purposes only and Sonus reserves the right to change with notice.