

Skype for Business - Best Practice Upgrade to Skype for Business 2015 SBA

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Not supported by SBC SWe Lite in this release.

Overview

This best practice document helps a user deploy and execute the Skype for Business 2015 SBA on products that shipped from Sonus without the Skype for Business 2015 SBA.



The Skype for Business 2015 SBA application is only supported on Windows Server 2012 R2 operating system. If your device does not have a license for Windows Server 2012 R2, a license purchase and download will be necessary to activate and execute the Skype for Business 2015 SBA.

Please [Log in](#) to view Notes and Limitations.



Caution

Upgrading from Lync 2013 to Skype for Business 2015 creates a down time. The following recommendations help reduce the down time:

- Upgrade during a maintenance
- Implement the Branch SBC as Gateway of the central pool



Upgrading from Lync 2010 SBA to Lync 2013 SBA, and upgrading from Lync 2013 SBA to Skype for Business 2015 SBA are valid upgrades. Microsoft does not support a migration from Lync 2010 SBA to Skype for Business 2015 SBA. Contact Microsoft for details.

Required Information

Before you begin, ensure you have the following information:

- Credentials to connect the Skype for Business Control Panel.

- A central pool that can host the user during migration.
- Credentials to access the topology builder.
- A SBC WebUI Credential.
- An AD account that allows a machine to join the domain.
- If you plan to change the ASM host-name, a certificate for the ASM.

Preparing the SBC and SBA

1. Upgrade the SBC and SbcComms

The firmware on the SBC as well as the firmware on the ASM (SbcComms) must be at version 5.0 or above. See [Upgrading or Downgrading SBC 1000/2000](#) for the upgrade procedure.

2. Confirm Windows Server 2012 R2 License

Confirm that your ASM is licensed for 'Windows Server 2012R2', which is a prerequisite to run Skype for Business 2015 SBA.

To Confirm Windows Server License:

1. Access the WebUI.
2. Click the tab **System**.
3. Click the tab **Overview**, then scroll into the **ASM System Details** panel.
4. Confirm that 'Windows Server 2012R2' appears in **Windows Factory License** or **Windows Applied Additional License** fields.

Case 1: Your Windows factory license is 'Windows Server 2008R2'

You will need to purchase and install the Windows Server 2012 R2 operating system license. See [Working with Licenses](#).

Figure 1: If Factory License Is Windows Server 2008R2

The screenshot shows the Sonus WebUI interface. At the top, there is a navigation bar with tabs for Monitor, Tasks, Settings, Diagnostics, and System. Below this is a sub-navigation bar with tabs for Overview, Inventory Report, Statistics, and About Sonus SBC. The main content area is titled 'System Overview' and is divided into two columns. The left column contains system information: System Name (AUTO-10K256-215), Chassis Model (Sonus SBC 1000), Software Version (IPV6_2), Build Number (21), Node Serial Number (F4033512510047), Hardware ID (64e00cb15e2b3d25e749ec), and Up Time (1 week, 4 days, 6 hrs, 10 mins, 28 secs). The right column contains performance and contact information: CPU Usage (9%), Memory Usage (44%), File Descriptors Opened (1253), CPU Load Average (0.00), Core Switch Temp (40 °C), Contact (Adrien Plesis), Location (Fremont Lab), and Timezone (GMT-8:00 Pacific (US/Canada)). Below the System Overview section is the 'ASM System Details' section, which lists: ASM Board Status (Available), ASM Board Model (D525), Processor Name (Intel(R) Atom(TM) CPU D525 @ 1.80GHz), Processor CPUs (4), Processor Clock Speed (~1.8GHz), Physical Memory (2037MB RAM), HDD Size (166GB), Image Type (Lync Server 2013 SBA), and Windows Factory License (Windows Server 2008R2). The 'Windows Factory License' field is circled in red.

Case 2: Your Windows factory license is 'Windows 2012R2'

Your license allows you to use the Windows Server 2012 R2 to execute the Skype for Business 2015 SBA. No further OS license is required.


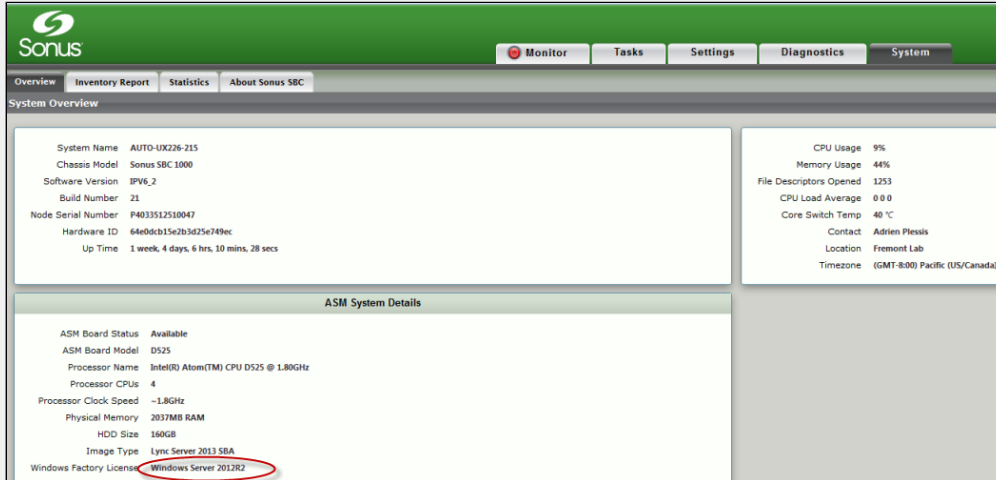
 Check the device for a Skype for Business 2015 SBA license label. If the label is attached, no further licenses are required to operate the Skype for Business 2015 SBA. If the label is not attached, you will need to acquire a Skype for Business 2015 SBA license. See [Working with Licenses](#). If a license is acquired, see [Attach License Label](#) for attaching the label on the unit.

Figure 2: If Factory License Is Windows 2012R2



The screenshot shows the Sonus WebUI interface. The top navigation bar includes 'Monitor', 'Tasks', 'Settings', 'Diagnostics', and 'System'. The 'System' tab is active, showing 'System Overview' with the following details:

System Name	AUTO-1X226-215
Chassis Model	Sonus SBC 1000
Software Version	IPV6_2
Build Number	21
Node Serial Number	P4033512510047
Hardware ID	64e9db15e2b3d25e749ec
Up Time	1 week, 4 days, 6 hrs, 10 mins, 28 secs

System Overview Summary:


CPU Usage	9%
Memory Usage	44%
File Descriptors Opened	1253
CPU Load Average	0 0 0
Core Switch Temp	40 °C
Contact	Adrien Plesis
Location	Fremont Lab
Timezone	(GMT-8:00) Pacific (US/Canada)

ASM System Details:

ASM Board Status	Available
ASM Board Model	D525
Processor Name	Intel(R) Atom(TM) CPU D525 @ 1.80GHz
Processor CPUs	4
Processor Clock Speed	~1.8GHz
Physical Memory	2037MB RAM
HDD Size	160GB
Image Type	Lync Server 2013 SBA
Windows Factory License	Windows Server 2012R2

3. Confirm Availability of the Skype for Business 2015 SBA image

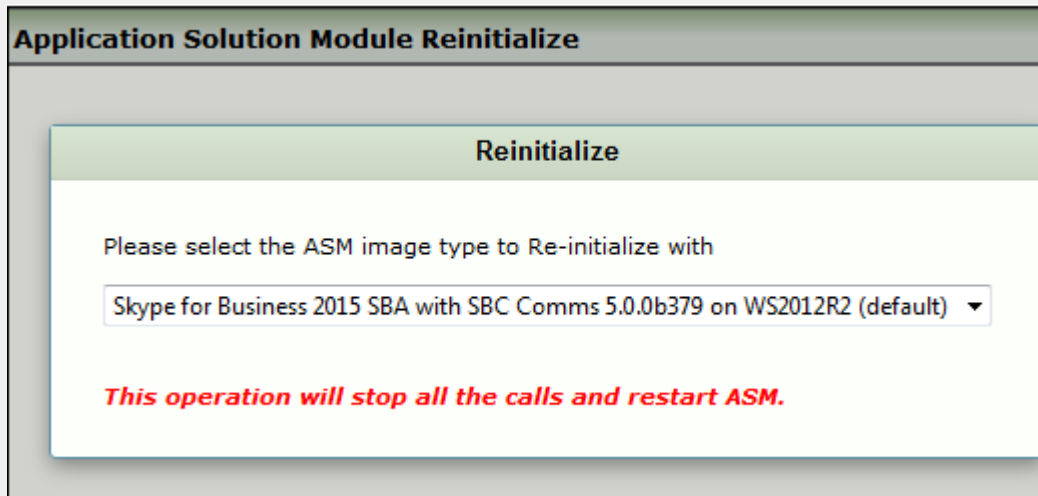
Confirm that your ASM already has the Skype for Business 2015 SBA image available on the hard drive.

 **Note**
Do **not** reinitialize the ASM, simply confirm the Skype of Business 2015 SBA image is available.

To Confirm Skype for Business 2015 SBA Availability:

1. Access the WebUI.
2. Click the tab **Tasks**.
3. Under **Application Solution Module**, click **Reinitialize**.
4. Confirm that one of the choices in the drop down menu is **Skype for Business 2015 SBA**.

Figure 3: Reinitialize



If **Skype for Business 2015 SBA** is not listed on the drop down menu, follow the instructions on [Updating the ASM Recovery Partition](#).

4. Backup the SBA certificate

If you plan to re-use the same host name for the SBA, follow the steps on [Exporting SBC Edge Server Certificates](#).

If you do not plan to re-use the same host name, proceed to the next section, [Setting Up Upgrade](#).

Setting Up Upgrade

1. Remove the SBA resource from the Skype control panel

1. Assign the users for the SBA to the central site.
2. Delete the associated trunk in the route where the SBC attached to the SBA is present.

2. Update the Topology Builder

1. Delete the gateways inside the SBA pool.
2. Delete the Front End inside the SBA pool.
3. Publish your topology.
4. Recreate your SBA under the folder "Branch Sites/<SiteName>/Skype for Business 2015".
5. Publish your topology.

Deploy your SBA

Complete the following procedures in order to deploy your SBA:

1. [Re-initializing the ASM](#)

2. Upgrading the SBC Communication Service Version
3. Deploying the SBA (Survivable Branch Appliance)



Note

Deploy the SBA in the same manner as Lync 2013 SBA.

Recreate Resources in the Skype Control Panel

Recreate the SBA resources you removed in the Skype control panel:

1. Recreate the route where the SBC attached to the SBA is present.
2. Re-assign the users from the central site to this pool.

