
Skype for Business - Best Practice Upgrade to Lync 2013 SBA on Windows Server 2012 R2

Overview

This best practice document helps a user deploy and execute the Lync 2013 SBA on Windows Server 2012 R2.



Caution

Upgrading to Lync 2013 SBA on Windows Server 2012 R2 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

Required Information

Before you begin, ensure you have the following information:

- Credentials to connect the Lync 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 Sonus 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 Lync 2013 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](#).


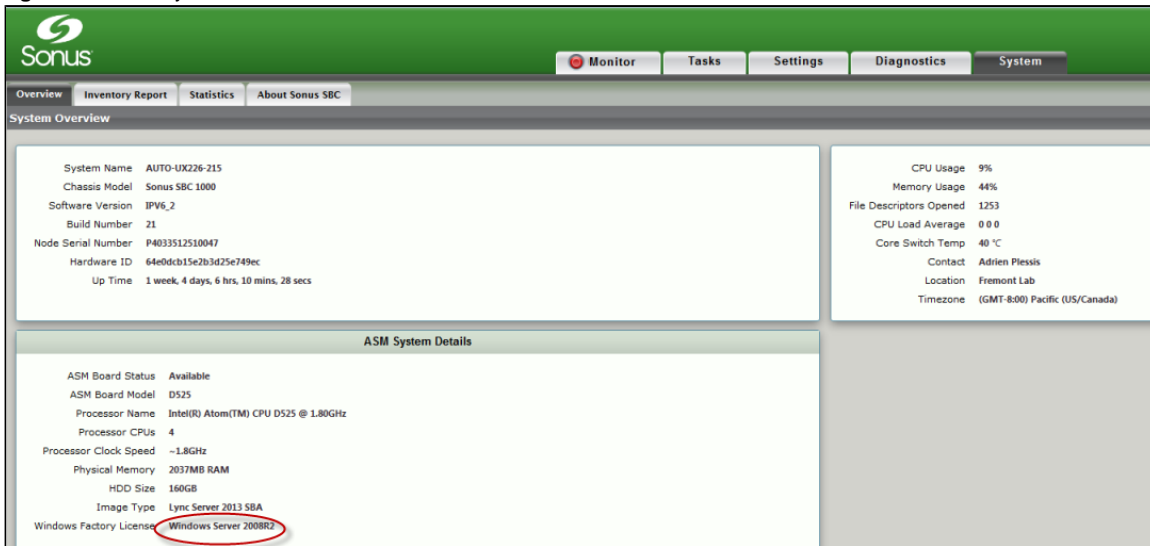
 Check the device for a Lync 2013 SBA license label. If the label is attached, no further licenses are required to operate the Lync 2013 SBA. If the label is not attached, you will need to acquire a Lync 2013 SBA license. See [Working with Licenses](#). If a license is acquired, see [Attach License Label](#) for attaching the label on the unit.

Figure 1: If Factory License is Windows Server 2008R2



The screenshot displays the Sonus SBC System Overview page. The top navigation bar includes 'Monitor', 'Tasks', 'Settings', 'Diagnostics', and 'System'. The 'System' tab is active, showing 'System Overview' and 'ASM System Details' sections.

System Overview

System Name	AUTO-UX226-215
Chassis Model	Sonus SBC 1000
Software Version	IPV6_2
Build Number	21
Node Serial Number	P4033512510047
Hardware ID	64e0dcb15e2b3d25e749ec
Up Time	1 week, 4 days, 6 hrs, 10 mins, 28 secs

System Overview (Right Column)

CPU Usage	9%
Memory Usage	44%
File Descriptors Opened	1253
CPU Load Average	0 0 0
Core Switch Temp	40 °C
Contact	Adrien Plessis
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 2008R2

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

Your license allows you to use the Windows Server 2012 R2 to execute the Lync 2013 SBA. No further OS license is required.


 Check the device for a Lync 2013 SBA license label. If the label is attached, no further licenses are required to operate the Lync 2013 SBA. If the label is not attached, you will need to acquire a Lync 2013 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

System Overview

System Name	AUTO-UX226-215	CPU Usage	9%
Chassis Model	Sonus SBC 1000	Memory Usage	44%
Software Version	IPV6_2	File Descriptors Opened	1253
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Image Type	Lync Server 2013 SBA
Windows Factory License	Windows Server 2012R2

3. Confirm Availability of the Lync 2013 SBA image

Confirm that your ASM already has the Lync 2013 SBA image available on the hard drive.



Note

Do **not** reinitialize the ASM, simply confirm the Lync 2013 SBA image is available on Windows Server 2012 R2.

To Confirm Lync 2013 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 **Lync 2013 SBA on WS2012R2**.

Figure 3: Reinitialize

Application Solution Module Reinitialize

Reinitialize

Please select the ASM image type to Re-initialize with

Lync 2013 SBA with SBC Comms 5.0.0b395 on ws2012r2 (default) ▼

This operation will stop all the calls and restart ASM.

If **Lync 2013 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 Sonus SBC 1000-2000 Server Certificates](#).

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

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 Survivable Branch Appliance](#)

**Note**

Deploy the SBA in the same manner as Lync 2013 SBA on Windows Server 2008 R2.