

Intel AppUpSM Small Business Service

Built on the Intel[®] Hybrid Cloud Platform

Migration Guide -Windows[®] Small Business Server 2011

Instructions for Migrating to Windows* Small Business Server 2011 on the Intel[®] Hybrid Cloud Server System Build 3.0

This document provides information on how to migrate the Microsoft[®] Windows* Small Business Server (SBS) 2008 appliance to the Microsoft* Windows* Small Business Server (SBS) 2011 appliance on the Intel Hybrid Cloud server system, build 3.0.

This document also describes how to activate ActivAeon* agents on the Microsoft* Windows* SBS 2011 appliance after you finish the migration.


1. **Create Answer File** (Refer to <http://technet.microsoft.com/en-us/library/gg490796.aspx> as a guide.)

2. **Upload SBSAnswerFile and Hybrid Cloud Migration Files to SBS 2011**

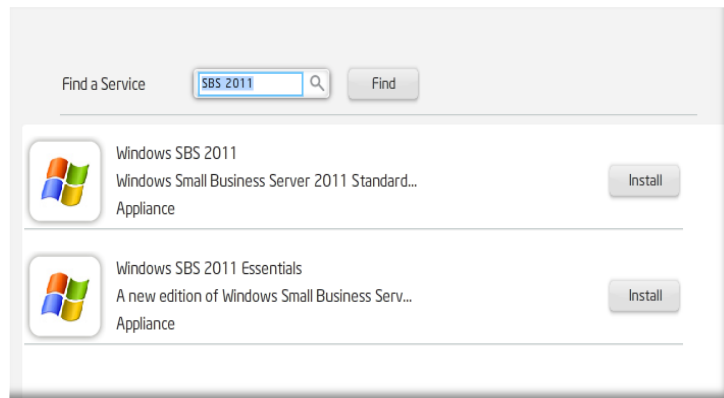
Prerequisite:

- Intel Hybrid Cloud Server Manager is installed in management computer, available at: http://downloadcenter.intel.com/Detail_Desc.aspx?agr=Y&DwnldID=20533
- Completed Answer File

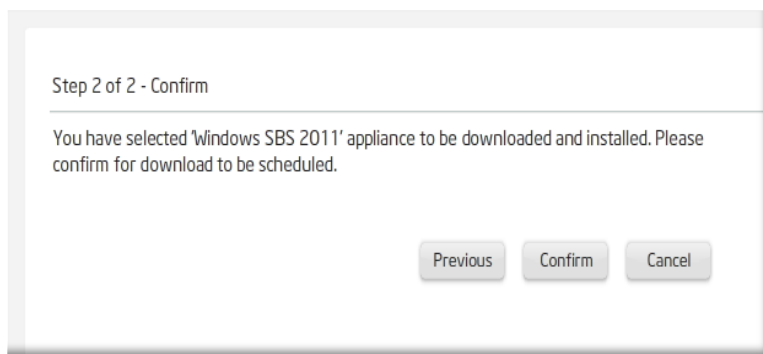
3. **Download the Microsoft* SBS 2011 appliance from Intel Hybrid Cloud web portal**


- a) Choose **Start > All Programs > HybridCloudServerManager**
- b) Select the **Connect** tab.
- c) Log into Hybrid Cloud Server Manager.
- d) Click the **Catalog**  button. The web portal credentials login window opens up.
- e) Enter the username and password used to register the Intel Hybrid Cloud server, click **Sign In**. The Catalog page opens up.

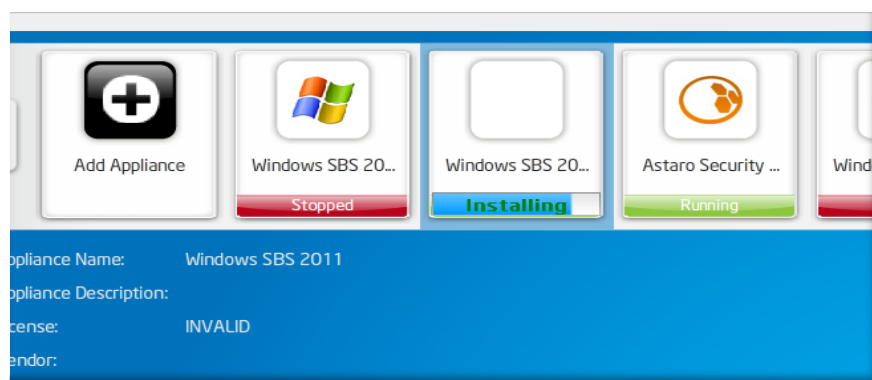
- f) Enter SBS 2011 into **Find a Service** text box and click the **Find** button. Windows* SBS 2011 is returned.



- g) Click the Install button to the right of Microsoft* Windows* SBS 2011. The Confirm page opens.
h) Click the Confirm button. The first page of the Catalog page is displayed again.



- i) Click the Appliance  Appliances button on the left hand side of the Intel Hybrid Cloud server manager. The Appliance page will open and Windows* SBS 2011 will have a status of 'Installing'.



Note: It may take a few minutes for the status to update. Total installation time for the Microsoft SBS 2011 appliance may be up to 30 minutes.*

j) Microsoft* SBS 2011 installation is complete once status reads '**Stopped**'.

4. From the Management PC, download the Hybrid Cloud SBS 2011 migration files. Located at Intel's download center:

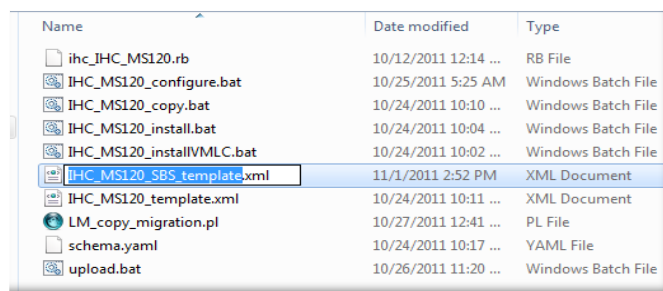
http://downloadcenter.intel.com/Detail_Desc.aspx?agr=Y&DwnldID=20668

a) Click on the **IHC-MS120 Migration** folder unzipped in the previous step. The following files should display:

ihc_IHC_MS120.rb
IHC_MS120_configure.bat
IHC_MS120_copy.bat
IHC_MS120_install.bat
IHC_MS120_installVMLC.bat
IHC_MS120_template.xml
LM_copy_migration.pl
schema.yaml

b) Copy the **SBSAnswerFile.xml** into the **IHC-MS120 Migration** folder.

c) Rename the **SBSAnswerFile.xml** to **IHC_MS120_SBS_template.xml**.



Name	Date modified	Type
ihc_IHC_MS120.rb	10/12/2011 12:14 ...	RB File
IHC_MS120_configure.bat	10/25/2011 5:25 AM	Windows Batch File
IHC_MS120_copy.bat	10/24/2011 10:10 ...	Windows Batch File
IHC_MS120_install.bat	10/24/2011 10:04 ...	Windows Batch File
IHC_MS120_installVMLC.bat	10/24/2011 10:02 ...	Windows Batch File
IHC_MS120_SBS_template.xml	11/1/2011 2:52 PM	XML Document
IHC_MS120_template.xml	10/24/2011 10:11 ...	XML Document
LM_copy_migration.pl	10/27/2011 12:41 ...	PL File
schema.yaml	10/24/2011 10:17 ...	YAML File
upload.bat	10/26/2011 11:20 ...	Windows Batch File

5. Upload Hybrid Cloud SBS 2011 migration files to the Microsoft* SBS 2011 appliance on the Intel Hybrid Cloud server.

a) From the Management PC, load Microsoft* Windows*, choose **Start Menu**.

b) Type **cmd** into the *Search program files* text box and hit the Enter key. The command line window will open.

c) **cd** to the **IHC-MS120 Migration** directory. Enter and execute the following command:


```
upload.bat <Intel Hybrid Cloud server ip> <username> <password>
```

```
C:\>cd "IHC-MS120 Migration"  
C:\IHC-MS120 Migration>upload.bat 123.123.123.123 user1 password
```

The following files will be uploaded:

```
ihc_IHC_MS120.rb  
IHC_MS120_configure.bat  
IHC_MS120_copy.bat  
IHC_MS120_install.bat  
IHC_MS120_installVMLC.bat  
IHC_MS120_SBS_template.xml  
IHC_MS120_template.xml  
LM_copy_migration.pl  
schema.yaml
```

6. Copy the migration scripts to SBS 2011



- If Hybrid Cloud Server Manager is not open, choose **Start > All Programs > HybridCloudServerManager***
- Select the Connect tab.
- Log into Hybrid Cloud Server Manager.
- Click on the Controls  Controls button.
- Select the Scripts tab. The Scripts page opens.
- Enter the number next to Copy migration scripts to SBS 2011 and hit the Enter key.
- Hit any key when the Press any key to continue message is displayed. The copy of the migration scripts to SBS 2011 is now complete.

SBS 2011 Migration


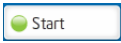
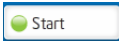
Prerequisite:

- Intel Hybrid Cloud server manager is installed in management computer.
- Completed the Upload SBSAnswerFile and Hybrid Cloud Migration Files to SBS 2011 steps.
- Microsoft* SBS 2008 administrator username and password.
- Microsoft* SBS 2008 appliance needs to be started / connected to the same network as Microsoft* SBS 2011.

1. Activate Microsoft* SBS 2011

- a) In the management computer, open up a web browser and go to <https://hybridcloud.intel.com>.
- b) Log into the web portal using the username and password used to registered the Intel Hybrid Cloud server
- c) Select the Tasks  button.
- d) Find your server name. Click the **Activate**  button next to the SBS 2011 appliance. SBS 2011 is now activated.
- e) Click the **Sign Out** button.

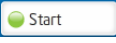
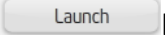

2. Start SBS 2011 in migration mode and perform post migration validation - Use the post migration sections at <http://technet.microsoft.com/en-us/library/gg490796.aspx> as a supplemental guide.

- a) If Hybrid Cloud Server Manager is not open, choose **Start > All Programs > Hybrid Cloud Server Manager**
- b) Select the **Connect** tab
- c) Log into Hybrid Cloud Server Manager.
- d) Select **Appliances**  button, the Appliances page opens.
- e) Select the Microsoft* SBS 2008 appliance. **(Skip this step if Microsoft* SBS 2008 is not installed in the Intel Hybrid Cloud server)**
- f) If the Microsoft* SBS 2008 status is *Stopped*, click on the **Start**  button. The Microsoft* SBS 2008 status changes to *Starting*, then *Running*. **(Skip this step if Microsoft* SBS 2008 is not installed in the Intel Hybrid Cloud server)**
- g) Select Microsoft* SBS 2011 appliance.
- h) Click the **Start**  button. The **Appliance Auto Configuration Information** window pops up.
- i) Fill out the required fields, click **Apply**. The migration process starts and may take up to 30 minutes to complete.

Appliance Auto Configuration Information

First Name (*)	<input type="text"/>	Last Name (*)	<input type="text"/>
Address	<input type="text"/>	Address 1	<input type="text"/>
Zip Code	<input type="text"/>	City	<input type="text"/>
State	<input type="text"/>	Country	<input type="text"/>
Server Name (*)	<input type="text"/>	Business Name (*)	<input type="text"/>
Network Administrator (*)	<input type="text"/>	Internal Domain Name (*)	<input type="text"/>
Password (*)	<input type="text"/>	Re-enter Password (*)	<input type="text"/>

*) Mandatory Apply


- j) When the migration completes, click on the Microsoft* SBS 2011 appliance.
- k) If the Microsoft* SBS 2011 status is Stopped, click on the **Start**  button. The Microsoft* SBS 2011 status changes to Starting and then Running.
- l) Select the **Console** tab. The **Console** page opens.
- m) Click the Launch  button next to VNC Console. The Microsoft* SBS 2011 VNC opens up.
- n) Click the Send Ctl+Alt+Del to host  button in the SBS 2011 VNC. Log into the Microsoft* SBS 2011 appliance using the administrator credentials.
- o) Choose **Start** and enter cmd into **Search programs and files** text box. The command line window opens.
- p) Type ipconfig into the command line. The IPv4 address and gateway should match the Destination Server IP address and Default gateway entered into the **SBSAnswerFile**.

```
C:\Users\THEADMIN>ipconfig
Windows IP Configuration

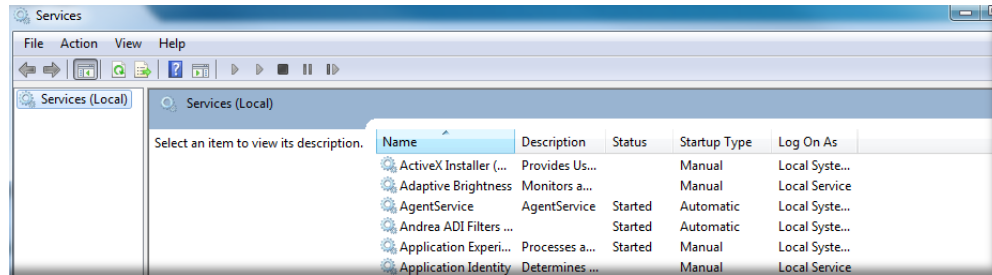
Ethernet adapter Local Area Connection:

Connection-specific DNS Suffix . . . : 
Link-local IPv6 Address . . . . . : fe80::73da:fb4:427d:9946%10
Link-local IPv6 Address . . . . . : fe80::91f5:5d86:12b5:b5d4%10
IPv4 Address. . . . . : 192.168.77.3
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.77.2
```

q) Close **Start**, right click on **Computer** and select **Properties**. The domain and computer name should match the SBS 2008 domain name and Destination Server name entered into the **SBSAnswerFile** respectively.

r) Select **SBS Consoles**  icon from the desktop. The SBS Console opens. Click on **Users and Groups**. The user names and number of users should match those in SBS 2008.

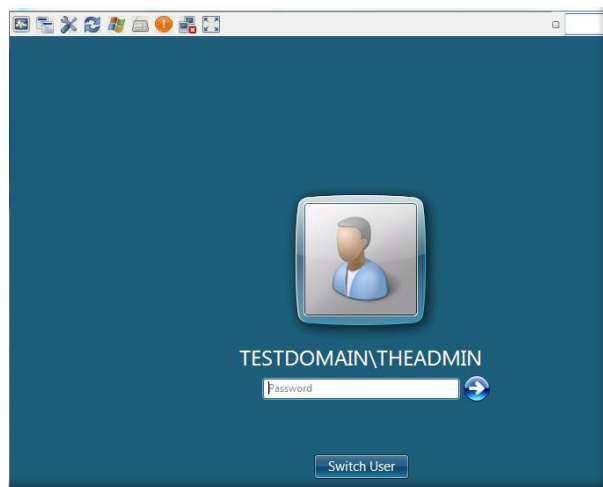
s) Click Start and enter `services.msc` into Search programs and files text box. The Services window opens. **ActivAeon** agents should not be displayed. The post migration validation is now complete.



ActivAeon Configuration for SBS 2011 Post Migration


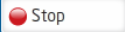
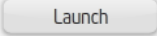
Prerequisite:

- Intel Hybrid Cloud Server Manager is installed in management computer
- Completed the Upload SBSAnswerFile and Hybrid Cloud Migration Files to SBS 2011 step



- Completed the SBS 2011 Migration steps
- Microsoft* SBS 2008 administrator username and password

1. Start ActivAeon Agents in Microsoft* SBS 2011

- a) If Hybrid Cloud Server Manager is not open, choose **Start > All Programs > HybridCloudServerManager**
- a) Select the **Connect** tab
- b) Log into Hybrid Cloud Server Manager. The Hybrid Cloud Server Manager opens.
- c) Select the **Appliances**  button.
- d) Select the Microsoft* SBS 2008 appliance (**Skip this step if Microsoft* SBS 2008 is not installed in Intel Hybrid Cloud server**)
- e) If the Microsoft* SBS 2008 appliance has a **Running** status, click the **Stop**  button. Microsoft* SBS 2008 status changes to **Stopping** and then **Stopped**. (**Skip this step if Microsoft* SBS 2008 is not installed in Intel Hybrid Cloud server**)
- f) Select the Microsoft* SBS 2011 appliance.
- g) If the Microsoft* SBS 2011 appliance has a **Stopped** status, click the **Start** button to run the appliance. When the status changes to **Running**, click on the **Console** tab.
- h) Click the **Launch**  button next to VNC Console.
- i) Log into the Microsoft* SBS 2011 appliance through the VNC
- j) After logging in, choose **Start** enter `cmd` into *Search programs and files* text box and hit Enter key.
- k) **cd** to the **ActivAeon XA** directory. Enter and execute the following command:

xaConfigure.exe /manage

```
C:\>cd "Program Files (x86)"
C:\Program Files (x86)>cd activAeon
C:\Program Files (x86)\activAeon>cd "activAeon XA"
C:\Program Files (x86)\activAeon\activAeon XA>xaConfigure.exe /manage
```

- l) Choose **Start** and enter `services.msc` into *Search programs and files* text box and hit the Enter key. The Services window opens. All **ActivAeon** agents should have Status = **Started**. ActivAeon agents have been activated.

