

IBM System x IBM System Updates for Microsoft System Center Configuration Manager User's Guide

Version 5.0



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Version 5.0

Note

Before using this information and the product it supports, read the information in "Notices" on page 123.

Edition notice

This edition applies to version IBM System Updates for Microsoft System Center Configuration Manager, v5.0 and to all subsequent releases and modifications until otherwise indicated in new editions.

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- 1. Frequently used terms and acronyms ix

About this publication

This User's Guide provides the latest information for IBM[®] System Updates for Microsoft System Center Configuration Manager. The IBM System Updates tool is used to acquire and publish IBM system updates in your environment.

Conventions and terminology

Paragraphs that start with a bold **Note**, **Important**, or **Attention** are notices with specific meanings that highlight key information.

Note: These notices provide important tips, guidance, or advice.

Important: These notices provide information or advice that might help you avoid inconvenient or difficult situations.

Attention: These notices indicate possible damage to programs, devices, or data. An attention notice appears before the instruction or situation in which damage can occur.

The following table describes some of the terms, acronyms, and abbreviations used in this document.

Term/Acronym	Definition
DSA	IBM Dynamic System Analysis
SCCM	Microsoft System Center Configuration Manager
SEP	IBM System Enablement Pack
SSL	Secure Sockets Layer
SUAP	IBM System Updates Acquisition and Publishing
UXSP	UpdateXpress System Packs
UXSPi	UpdateXpress System Package Installer
WSUS	Windows Server Update Services

Table 1. Frequently used terms and acronyms

Information resources

You can find additional information about IBM System Updates for Microsoft System Center Configuration Manager, v5.0 in the product documentation and on the World Wide Web.

PDF files

View or print documentation that is available in Portable Document Format (PDF).

Downloading Adobe Acrobat Reader

You need Adobe Acrobat Reader to view or print these PDF files. You can download a copy from the Adobe Reader Web site.

Viewing and printing PDF files

You can view or print any of the PDF files in the following list. Go to Microsoft System Management Solutions for IBM Servers to sign in and locate the download links for the publications. The most current version of each document is available on the product download page.

- IBM System Updates for Microsoft System Center Configuration Manager, v5.0 Release Notes[®]
- IBM System Updates for Microsoft System Center Configuration Manager, v5.0 User's Guide

Saving PDF files

To save a PDF file, complete the following steps:

- 1. Right-click the link to the PDF in your browser.
- 2. Perform one of the following tasks.

Web browser	Command
For Internet Explorer	Click Save Target As.
For Netscape Navigator or Mozilla	Click Save Link As.

3. Navigate to the directory where you want to save the PDF file.

4. Click Save.

World Wide Web resources

The following web pages provide resources for understanding, using, and troubleshooting IBMSystem x, BladeCenter[®] servers, and systems-management tools.

IBM website for Microsoft Systems Management Solutions for IBM Servers

Microsoft System Management Solutions for IBM Servers

Locate the latest downloads for IBM System Updates for Microsoft System Center Configuration Manager, v5.0.

IBM Systems Technical support site

Support for IBM Systems.

Locate support for IBM hardware and systems-management software.

IBM Systems Management Software: Download Software Registration

IBM Systems Director: Download Registration

Download IBM systems-management software, including IBM Systems Director.

IBM System x Systems Management page

IBM systems management solutions for System x

Provides an overview of IBM systems management using IBM Director Agent and IBM Director Core Services.

IBM ServerProven® pages

IBM ServerProven Compatibility for hardware, applications, and middleware

IBM ServerProven Compatibility for BladeCenter products

Obtain information about hardware compatibility with IBM System x, IBM BladeCenter, and IBM IntelliStation[®] hardware.

Microsoft System Center Configuration Manager page

Microsoft System Center Technical Resources

Chapter 1. IBM System Updates for Microsoft System Center Configuration Manager, v5.0

The topics in this section provide an overview of IBM System Updates for Microsoft System Center Configuration Manager, v5.0 and product features.

Keeping computers up-to-date with BIOS, firmware, driver and hardware-related applications is a key activity for any IT administrator. It is complex and time-consuming for an IT administrator to determine the compliance, plan the updates, select the appropriate hardware updates, and deploy the updates to the right set of systems for keeping the environment stable and reliable.

Through its alliance with Microsoft System Center products, Microsoft System Center Configuration Manager (SCCM) and Windows Server Update Services (WSUS), IBM System Updates for Microsoft System Center Configuration Manager, v5.0 is making a commitment to reducing the time and effort of keeping an up-to-date IT environment.

What's new in version 5.0

IBM System Updates for Microsoft System Center Configuration Manager, v5.0 offers the following new support:

- Microsoft System Center Configuration Manager 2012 R2
- Microsoft Windows 2012 R2

Trial license support

A trial license is automatically activated if a product license is not activated when this product is installed the first time. Before allowing the trial license to become activated, verify that your system time is correct. After a trial license is activated, the trial period is 90 days. During the trial period, the premium features are usable.

In the last 5 days of the trial period, the trial license software will provide notification about the trial license expiration. This notification will display every 24 hours. After the trial license expires, to maintain the premium features, you must activate a product license. After a product license is activated, manually restart the component to enable the premium features.

Free features

This release has all of the free features and functions from version 3.0, and includes the following new and improved free features and enhancements.

Through the new features, you can:

- · Publish the local updates to Windows Server Update Services
- Expire the published updates on the Windows Server Update Services server
- · Download the latest updates from the IBM website
- Force updates to be installed for special hardware or undetected hardware that are not installed by default. This includes Brocade, Emulex, and QLogic HBAs and CNAs.
- Show the prerequisite and supersede updates information now available in the detail view.

Enhancements include:

- An Updated user interface that includes new functions introduced in version 3.1.
- Full support of the new update file format .uxz to download, publish, and deploy the OS agnostic firmware update, which is not in a traditional executable file (EXE), by using a UXZ file.

Premium features

The premium features are available when the IBM System Updates installation is registered with the IBM Upward Integration for Microsoft System Center, v3.1 or later. You can purchase an activation license by contacting either your IBM representative or an IBM Business Partner.

You can also obtain a product license from IBM Upward Integration for MSSC to ensure that the premium features are available after the 90-day trial license period.

For more information, refer to "Trial license support" on page 1.

The following additional features are fee-based and require the purchase of an activation license of v3.1 or later on a per managed endpoint basis.

- Check for the latest updates on the IBM website for all or selected updates for a supported machine type.
- Provide detailed information about available updates on the IBM website. This
 includes: general information, installation information, and platform information.
- Provide detailed information on the Windows Server Update Services WSUS updates, including general information and specific packaging information.
- The Generate Updates Comparison Report provides a function for you to export updates to a CSV or a TXT file.
- Using the System Updates tool, you can remotely view a journal of update deployments for the endpoints.
- Allow updates to be installed as a downgrade. All published updates with the same update name will be expired.

How IBM System Updates for Microsoft System Center Configuration Manager, v5.0 supports IBM systems

IBM System Updates for Microsoft System Center Configuration Manager, v5.0 provides a machine-type based download mechanism that enables you to download the most recent IBM system updates software transparently, without the effort of searching for updates through the IBM website.

IBM System Updates allows you to apply the latest updates without using a catalog file, which may not provide the latest updates.

IBM System Enablement Pack

The IBM System Enablement Pack (SEP) contains system-specific codes for the latest drivers, scripts, binaries, and other files. It is used to support new IBM System x and Blade servers for IBM Dynamic System Analysis DSA, firmware updates, and operating system deployment.

A new system requires a related SEP to support its software tools. The IBM System Updates tool downloads and deploys newer versions of IBM UpdateXpress System Pack Installer (UXSPi) that are available and SEP packages.

Note: You can download the latest version of UXSPi that supports your server from the IBM website. Before deploying UXSPi to the client machine, ensure that you have deployed and installed the necessary SEPs.

Hardware and software requirements

The topics in the section provide a description of the hardware and software requirements for IBM System Updates.

Hardware requirements

The IBM System Updates tool has no specific hardware requirements. It can be run on either a non-IBM server or an IBM server, workstation, or laptop that supports the Windows operating system.

Supported operating systems

The IBM System Updates Acquisition and Publishing tool supports the following Windows operating systems:

- Windows 2012 R2
- Windows Server 2012
- Windows Server 2008 SP1/R2
- Windows Server 2008 SP1/SP2
- Windows Server 2008 SP1/SP2 x64
- Windows Server 2003 SP2/R2
- Windows Server 2003 SP2/R2 x64

Required software

Windows Server Update Services 3.0 SP1 or a later version of the Administration Console is required. If Windows Server Update Services 3.0 SP1 or a later version is not already installed on the local computer, the Windows Server Update Services 3.0 SP1 or later version Administration Console must be installed prior to running the Updates Publisher Setup. If the Windows Server Update ServicesWSUS version is earlier than 4.0, a WSUS patch is required and can be downloaded from the An update for Windows Server Update Services 3.0 Service Pack 2 is available web page.

Ensure that the account used to install the IBM System Updates tool on the host computer has the Windows Server Update Services Administrator privilege.

Chapter 2. IBM System Updates installation

The topics in this section describe how to install and uninstall IBM System Updates.

Installing the IBM System Updates tool

This topic describes how to install the IBM System Updates tool.

Before you begin

There are two methods for installing IBM System Updates for Microsoft System Center Configuration Manager, v5.0.

- The first method uses the IBM System Updates for Microsoft System Center Configuration Manager, v5.0 setup package (EXE file).
- The second method uses the IBM Upward Integration for Microsoft System Center Installer.

For more information about the IBM Upward Integration for Microsoft System Center Installer refer to IBM Upward Integration for Microsoft System Center bundle - IBM BladeCenter and System x.

About this task

Procedure

- 1. Go to the IBM System x Integration Offerings for Microsoft Systems Management Solutions website.
- 2. Click **Microsoft System Center Configuration Manager (SCCM), System Updates** to download the latest version of the IBM System Updates tool.

Note: If Windows Server Update Services 3.0 SP1 or later is not installed on your system, the following message is displayed.

🔂 IBM S	ystem Updates for Microsoft System Center Confi 🗙
	Setup has detected that Microsoft Windows Server Update Services 3.0 sp1 or later has not been installed on this system. Please install it and restart setup to complete the installation.
	OK

Figure 1. WSUS 3.0 sp1 or later is not installed message

Click **OK** to stop the program and complete the installation.

While the program installs, the Preparing to Install page for the IBM System Updates tool opens.

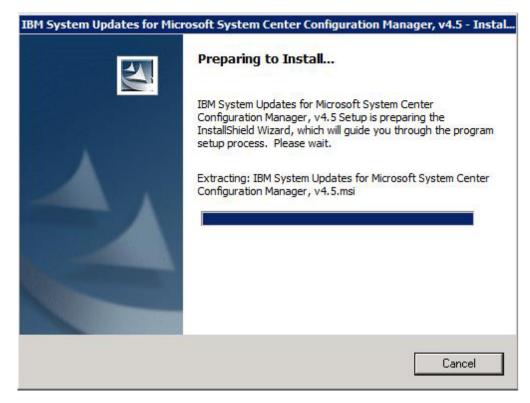


Figure 2. Preparing to Install IBM System Updates

3. Click **Next** and the InstallShield Wizard page opens. If for some reason you need to stop the installation, click **Cancel**.

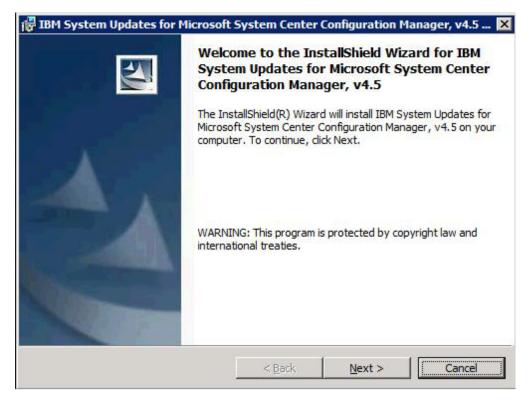


Figure 3. InstallShield Wizard Welcome page for IBM System Updates

4. Click **Next** to continue the installation and proceed to the License Agreement page.

🛃 IBM System Updat	es for Microsoft	System Center	Configuration Ma	anager, 💶 🗖 🗙
Software License Agre	ement			
Please read the follo	wing license agree	ement carefully.		
International Licens	e Agreement fo	or Non-Warranted	d Programs	<u> </u>
Part 1 - General Ter	ms			
BY DOWNLOADING AN "ACCEPT" BUT LICENSEE AGREE ACCEPTING THES REPRESENT AND LICENSEE TO THE TERMS,	TON, OR OTH S TO THE TER E TERMS ON WARRANT TH	ERWISE USING RMS OF THIS A BEHALF OF LIC IAT YOU HAVE	THE PROGRA GREEMENT. IF ENSEE, YOU FULL AUTHOR	M, YOU ARE TY TO BIND
C I accept the terms in	the license agree	ment.		
I do not accept the t installShield	erms in the license	e agreement.		
	Print	< Back	Next >	Cancel

Figure 4. Software License agreement

- 5. Read the license agreement terms and select I accept the terms in the license agreement and then click Next.
 - If no product license is activated, the Trial Version page opens. Complete the following step on the Trial Version page.
 - If a product license was activated, the Destination Folder page opens. Complete step 7.
- 6. Optional: On the Trial Version page, select one of the following options:
 - Click Contact IBM to obtain a valid product license.
 - Click **Next** to proceed to the Destination Folder page.

IBM System Updates for Microso	ft System Center	Configuration Manager	
Trial Version			
License not detected			
License is not found on this server.	The trial period of th	is product lasts for 90 days.	
Contact IBM			
stallShield			
	< Back	Next > Cano	el

Figure 5. Trial Version page

	ion Folder xt to install to this folder, or click	Changes to install I	to a different fold	
CIICKINE	ct to install to this folder, or click	change to install i	to a different fold	er.
B	Install IBM System Updates for to:	Microsoft System	Center Configura	ation Manager,
	C:\Program Files (x86)\IBM\IBN	1 System Updates	٨	Change

Figure 6. Destination folder

7. On the Destination Folder page, either click **Next** to accept the default installation directory, or click **Change** and enter a new location. The Ready to Install the Program page opens.

🐺 IBM System Updates for Microsoft	t System Center	Configuration M	anager, v4.5 🗙
Ready to Install the Program The wizard is ready to begin installatio	n.		4
Click Install to begin the installation.			
If you want to review or change any o exit the wizard.	of your installation s	ettings, click Back.	Click Cancel to
nstallShield			
	< Back	Install	Cancel

Figure 7. Ready to Install the Program

8. Click **Install** to start the installation. The Installation progress page is displayed.

	Please wait while the InstallShield Wizard installs IBM System Updates for
F	Microsoft System Center Configuration Manager, v4.5. This may take several minutes.
	Status:

Figure 8. Installation progress

Note: During the installation, a command prompt window displays the extraction of the necessary installation files. If any errors occur during installation, they will be displayed. Do not close the command prompt window. It may take several minutes for the installation to finish.

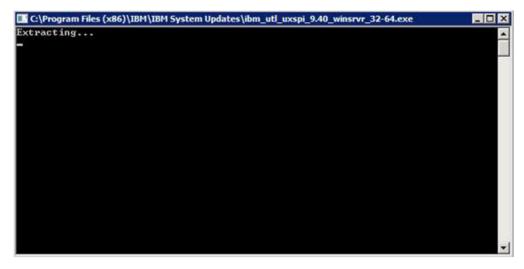


Figure 9. Extraction of Installation files

When the installation is complete, the InstallShield Wizard Completed page opens.

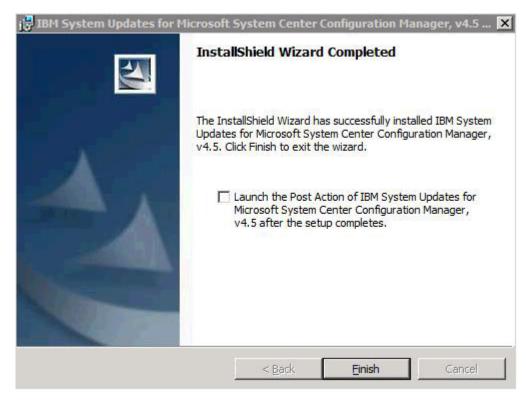


Figure 10. InstallShield Wizard Completed

- 9. Select one of the following options:
 - Click Finish to complete the installation.
 - Select the Launch the Post Action of IBM System Updates for Microsoft System Center Configuration Manager 2007, v5.0 check box to start the Setup wizard for IBM System Updates tool.

Note: You can also start the Setup Wizard from the Start menu.

Uninstalling the IBM System Updates tool

There are four methods for uninstalling the IBM System Updates for Microsoft System Center Configuration Manager, v5.0 tool.

Complete one of the following steps to uninstall the IBM System Updates tool.

- Uninstall by using the **Add or Remove Programs** option. For the Windows Server 2008 operating system, you can use **Programs and features** to uninstall.
- Select the **Remove** option for the IBM System Updates for Microsoft System Center Configuration Manager, v5.0 Installer (EXE file).
- Select the Remove option using IBM Integrated Installer (EXE file).
- Select Uninstall from the Start menu.

Note: The log files, temporary folders, and the UXSPi upgrade files are not deleted during the uninstallation process. You must delete them manually.

Chapter 3. Working with IBM System Updates and System Center Configuration Manager 2007

The topics in this section describe how IBM System Updates and Microsoft System Center Configuration Manager 2007 work together.

IBM System Updates Acquisition and Publishing Tool, Version 5.0

IBM System Updates Acquisition and Publishing (SUAP) tool is the core component in IBM System Updates for Microsoft System Center Configuration Manager, v5.0. This tool provides the functions to acquire updates from the IBM website and publish the updates to the Windows Server Update Services server.

IBM System Updates for Microsoft System Center Configuration Manager, v5.0 allows you to easily configure settings, maintain a machine list, and manage updates for your specific machine types.

The navigation pane consists of the following three views:

- Home
- All Updates
- My Machines

Using the Home view

The Home view provides three options to assist you in getting started with IBM System Updates.

in IEIM System Updates		RIDI
File Edit View Action Help		
	IBM System Updates IBM System Updates helps you maintain the latest updates from IBM on your WSUS server. With IBM System Updates, you can obtain IBM updates from the IBM public web alle or import updates that were previously downloaded, or both, and publish them to the Windows Server Update Services (WSUS) of your choice	
	Setup Witzerd guides you through the steps to complete the configuration setting for IBM System Updates.	M.
	Comp Stored To start updating your system, add your machine types to the "Wy Machines" page. The list of machines that you creat serves as the global list of machines that work with this tool	
	To get the tatest UKBPI tool and supported machine type list, click "UKSPI Upgrade"	58

Figure 11. Home view

Setup Wizard

Use the Setup Wizard option to guide you through the steps for configuring the settings for IBM System Updates.

Getting Started

Use the Getting Started option to start updating your system by creating machine types list to work with the System Updates tool.

UXSPi Upgrade

Use the UXSPi Upgrade option to get the latest UXSPi tool and supported machine type list.

Setup Wizard

The Setup Wizard guides you through the steps for completing the setup of the configuration settings for IBM System Updates.

After you complete the setup of the configuration settings, you can view and edit them. There are two methods for viewing and editing the configurations settings. From the **Start** menu, select one of the following methods:

- IBM SUAP tool Menu > Edit > Preferences.
- Setup Wizard.

Configuring the Windows Server Update Services server:

This topic describes how to configure the Windows Server Update Services (WSUS) server. The WSUS server is used for publishing. Administrative rights are required on the WSUS server to successfully publish updates.

Procedure

1. Select one of the following WSUS server options:

ter the WSLIS server that will be	used for publishing. Administrative	rights are required on the WSUS server
successfully publish updates.		
Connect to a local update set	erver.	
C Connect to a remote update	server,	
P3		
🗖 Use Secure Sockets Lay	er(6SL) when communicating with	the update server.
Use Secure Sockets Lay	en(69L) when communicating with	the update server. Port
	en 68L) when communicating with	
	en(6SL) when communicating with	Port.
	er(68L) when communicating with	Port.
	en 69L) when communicating with	Port.
	en 68L) when communicating with	Port.

Figure 12. System Updates Setup Wizard for the WSUS Server

- To use the same server for WSUS that IBM System Updates is installed on, click **Connect to a local update server**
- To publish the updates to the WSUS server through the network, click **Connect to a remote update server**

Note: If the **Connect to a remote update server** option is selected, specify the name of the WSUS update server and the port used to connect to that server. You can use the hostname or the IP address as the name of the WSUS update server.

This option allows you to use Secure Sockets Layer by selecting the **Use Sockets Layer (SSL)** check box. For more information about Secure Sockets Layer, see "Using the Secure Sockets Layer for Windows Server Update Services server (Optional)" on page 16. 2. Click Next to proceed with WSUS configuration.

Using the Secure Sockets Layer for Windows Server Update Services server (Optional):

The IBM System Updates tool supports publishing updates to the Windows Server Update Services (WSUS) server by using Secure Sockets Layer (SSL). SSL can secure the connection and encrypt the data transferred between the IBM System Updates tool and the Windows Server Update Services server.

About this task

If you selected SSL for the remote WSUS server, complete the following procedure to configure the environment.

For more information about how to configure SSL on the WSUS server, see the "Using SSL with WSUS" section in the Windows Server Update Services help document. Also refer to the "Secure Sockets Layer" section in the Internet Information Services (IIS) help document. These help documents are available when the Windows Server Update Services and IIS tool is installed.

Procedure

- 1. Add the SSL certificate file to your IBM System Updates computer. Import the SSL certificate to these locations:
 - Trusted Publishers
 - Trusted Root Certification Authorities
- **2**. Complete the following steps to enable **SSL support for this WSUS server** using the IBM SUAP Tool Publish Wizard:
 - a. Connect to the local server the same way you connect to a remote server.
 - b. Enable **SSL support** in the SCCM console.
 - c. Select the appropriate version of Microsoft System Center Configuration Manager:
 - For Microsoft System Center Configuration Manager 2007, launch the SCCM console, and select Site Management > %Site Name% > Site Settings > Component Configuration.

Active software update	noint on cita caruar	
Active software update	A construction of the second	
	icing gluster for active softw	vare update point
ecify the port settings use	d by this WSUS Server	
Port number:	80	-
- SSL Port number:	443	
andra Tana Masar	1.44	
Enable SSL for this W	/SUS server	
hen SSL is enabled, ensur	e that upstream WSUS serv	ers are configured and
	rtificates.	
hat clients have security ce		
at clients have security ce		

Figure 13. Software Update Point Component Properties (SCCM 2007)

 For Microsoft System Center Configuration Manager 2012, launch the SCCM console, and select Administration > Site Configuration > Sites > %Site Name% > Configure Site Components.

puages	č č	E.	į.
eral Sync Settings C	lassifications Products Sy	nc Schedule Supersedence Rules	
Software updat	e point		
Active software update	point for this site		
None			
Active software upd	ate point on site server		
Active software upd	ate point on remote server		
Use Network Load I	Balancing cluster for active so	ftware update point	
ients will communicate	with the software update poin	t using the following port settings	
Port number:	80	<u>+</u>	
SSL port number:	443	*	
Allow intranet-only cl	ient connections		
Allow both intranet a	nd internet client connections	0.	
Frable SSL con	nmunications for the WSUS S	erver	

Figure 14. Software Update Point Component Properties (SCCM 2012)

d. Open Software Update Point Component and enable SSL support.

Note: The Windows Server Update Services server name must be the same as the **Issued to name** in the SSL certificate.

- 3. Add the SSL certificate file to the client computer.
- 4. Import the SSL certificate to these locations: **Trusted Publishers** and **Trusted Root Certification Authorities**.

Configuring a Windows Server Updates Services server certificate:

This section describes how to configure a digital certificate for a Windows Server Update Services (WSUS) server.

About this task

On the WSUS Server Certificate page, you can configure a digital certificate for the WSUS server.

Procedure

- 1. Use one of the following options to select a certificate to configure:
 - Click Browse to navigate to and select a third-party certificate.
 - Click **Create** to generate a new self-signed certificate.

Note: The WSUS in Windows 2012 R2 and later versions, no longer issues self-signed certificates. You can create certificates by installing the certification authority. For more information, see Install the Certification Authority.

File:		Browse	Create
certificate info			
Certificate issuer: N/A		0	
Expiration date: N/A		Es.	

Figure 15. WSUS Server Certificate

2. Click Next.

What to do next

A digital certificate is used to sign the updates. The certificate must be added by copying it to the appropriate certificate folders on the System Center Configuration Manager update server before the IBM updates can be published to the SCCM server. The certificate must also be copied to the IBM System Updates computer to ensure that it is the same as the copy on the update server.

If there is no certificate on the WSUS server, the IBM System Updates tool prompts you to generate a self-signed certificate on the WSUS server.

Note: The IBM System Updates tool also supports importing a third-party certificate. To import a third-party certificate, click **Browse** and select the **third-party certificate**.

Adding certificates:

The following procedure describes how to add certificates to the appropriate certificate folders.

Procedure

- 1. Click Start > Run.
- 2. Enter **MMC** on the command line and click **OK** to open the Microsoft Management Console (MMC).
- 3. To add a certificate, click File > Add/Remove Snap-in and click Add.
- 4. Click **Certificates** and click **Add**.
- 5. Select Computer account and click Next.
- 6. To select another computer, enter the **name of the update server** or click **Browse** to find the update server computer. If the update server is on the same server, select **Local computer** in this window.
- 7. Click Finish.
- 8. Click Close.
- 9. Click OK.
- 10. Expand **Certificates** (update server name of Local Computer), expand **WSUS**, and then click **Certificates**.

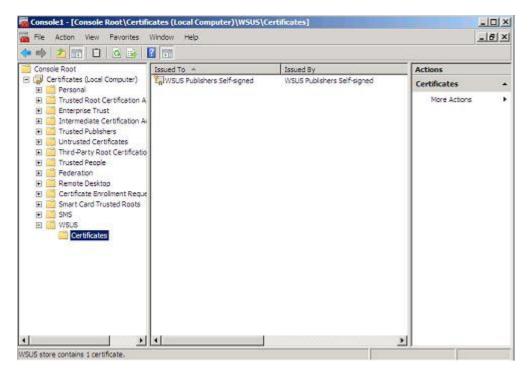


Figure 16. Console 1 - WSUS Certificates

- 11. In the middle pane, right-click the name of the certificate, select **All Tasks**, and then click **Export**. The Certificate Export Wizard opens.
- **12**. Use the default settings to create an export file with the name and location specified in the wizard. This file must be available to the update server before proceeding to the next step.
- **13**. Right-click **Trusted Publishers**, select **All Tasks** from the drop-down menu, and then click **Import**. Complete the Certificate Import Wizard using the exported file from step 6.
- 14. If a self-signed certificate is being used, such as WSUS Publishers Self-signed, right-click **Trusted Root Certification Authorities**, select **All Tasks**, and then select **Import**. Complete the Certificate Import Wizard using the exported file from step 6.
- **15.** If the Updates Publisher computer is a remote computer to the update server, repeat steps 7 and 8 to import the certificate to the certificate folder on the Updates Publisher computer.

On client computers, the Windows Update Agent scans for updates.

Important: The first installation action will fail if it cannot locate the digital certificate in the Trusted Publishers folder on the local computer. If a self-signed certificate was used when publishing the updates catalog, such as WSUS Publishers Self-signed, the certificate must also be in the **Trusted Root Certification Authorities certificate** folder on the local computer to verify the validity of the certificate.

Configuring certificates:

This topic describes how to configure certificates.

About this task

There are two methods for configuring a signing certificate on client computers:

- Using Group Policy and the Certificate Import Wizard: Perform the steps described in "Adding certificates" on page 20.
- Using the certutil utility and software distribution: Perform the steps in the following procedure.

Procedure

- Click Start > Run, enter MMC in the text box, and then click OK to open the Microsoft Management Console (MMC).
- 2. Click **File**, and select **Add/Remove Snap-in**. The Add/Remove Snap-on dialog box opens.
- **3.** Click **Add**, select **Certificates**, and then click **Add**. The Certificates snap-in dialog box opens.
- 4. Select **Computer account**, and then click **Next**. The Select Computer dialog box opens.
- 5. Select one of the following server options:
 - Another: Enter the name of the update server or click **Browse** to locate the update server.
 - Local Computer: Use this option if the update server is on the same server.
- 6. Click Finish to return to the Add Standalone Snap-in dialog box.
- 7. Click Close to return to the Add/Remove Snap-in dialog box.
- 8. Click OK.
- 9. On the MMC console, expand **Certificates** (update server name), expand **WSUS**, and then select **Certificates**.
- 10. Right-click the **certificate** in the results pane, select **All Tasks**, and then select **Export**. Complete the Certificate Export Wizard steps using the default settings to create an export certificate file with the name and location specified in the wizard.
- 11. To add the certificate used to sign the updates catalog for each client computer that will use Windows Update Agent to scan for the updates in the catalog, use one of the following methods:
 - For self-signed certificates: Add the certificate to the Trusted Root Certification Authorities and Trusted Publishers certificate folders.
 - For certification authority (CA) issued certificates: Add the certificate to the **Trusted Publishers certificate** folder.

Note: Windows Update Agent verifies whether the Group Policy setting is enabled on the local computer. The Group Policy setting must be enabled for Windows Update Agent to scan for the updates that were created and published with Updates Publisher. For more information, see TechNet: Windows Update Agent

Configuring outbound connectivity:

This topic describes how to configure outbound connectivity.

About this task

There are three options for configuring outbound connectivity, which are shown in the figures below:

The local machine can access the Internet directly

If you select this option, no additional network configuration for outbound connectivity is required.

The local machine requires a proxy server to access the Internet

If you select this option, you will need to setup an HTTP Proxy to have IBM System Updates connect to the Internet.

The local machine will not have access to the Internet

If you select this option, you can update from the local repository where updates were previously saved.

Note: Internet connectivity is required for obtaining the latest updates from the IBM website. If you have not chosen automatic updates, you will need to manually place the updates into the local repository.

Procedure

1. Select one of the Outbound Connectivity options:

k System Updates Setup Wizard	×
Outbound Connectivity	IBM
If using an HTTP Proxy to connect to the Internet, enter that information here.	
- Outbound Connectivity	
The local machine can access the Internet directly	
C The local machine requires a proxy server to access the Internet	
C The local machine will not have access to the Internet	
	1
< Back Next > Finish	Cancel

Figure 17. Outbound Connectivity

- The local machine can access the Internet directly
- The local machine requires a proxy server to access the Internet

• The local machine does not have access to the Internet

Note: If you select **The local machine requires a proxy server to access the Internet** option, enter the following information:

- Host
- Port

IBM System Updates Setup Wizard		
Outbound Connectivity		IBI
If using an HTTP Proxy to connect to the Internet, enter that info	ormation here	e.
Outbound Connectivity		
C The local machine can access the Internet directly.		
If you are using an HTML proxy to connect to the Internet	, enter that ir	information.
Host:	Port	t [
Authenticate using the following credentials:		
User name:	Password:	r [
		Test Connection
The local machine does not have access to the Internet.		

Figure 18. HTTP Proxy

2. Click **Next**. The Configuring the local repository page opens. See "Configuring the local repository" and complete the steps listed in that topic.

Configuring the local repository:

This topic describes how to configure the local repository for updates.

Procedure

1. Accept the current folder or click **Browse** to locate a different folder for the local repository.

🖶 System Updates Setup Wizard		×
Local Repository		IBM
When updates are downloaded t	rom the IBM site, they will be placed in the local repository.	
Current folder:	C:\Program Files\JBM\JBM System Updates\Repository	Browse.
Drive available space:	28.08 GB	R
	< Back Next > First	Cancel

Figure 19. Local Repository

2. Click Next. The Confirm Setup page opens.

BM System Updates Setup Wizard		
Confirm Setup		IE
Confirm your previous settings.		
Confirm the following setup choice	Value	
WSUS server location: WSUS server certification: Outbound connectivity: Local repository:	remote update server Self-signed certificate access directly C:\Program Files\IBM\IBM System Updates\Repository	
		1
	< Back Confirm Fridd Cancel	

Figure 20. Confirm Setup

3. Click **Confirm** to confirm the previous settings. The Setup Finished dialog box opens.

🗑 IBM System Updates Setup Wizard	×
Setup Finished	IBM
All the needed information has been saved.	
Setup has successfully completed. Click "Finish" to exit the wizard.	
< Back. Next a Finish	Grod

Figure 21. Setup Finished

4. Click Finish to complete the Setup Wizard.

Viewing machine types

Before you can begin updating your computers, you need to add your machine types from the list of Supported Machine Types.

About this task

There are two methods of viewing your machine types. Complete one of the following steps:

- Click Go to My Machines in the Home View.
- Click My Machines view in the navigation pane. For more information, see "Adding and removing machine types using My Machines view" on page 55.

Upgrading UXSPi

The UXSPI Upgrade option provides automated updates for new IBM System x and Blade servers without having to upgrade the IBM System Updates Acquisition and Publishing tool. This function is bundled with the IBM System Enablement Pack. The UXSPi Upgrade option gets the latest UXSPi tool, the latest supported server list, and IBM System Enablement Packs necessary to support the new servers from the IBM website.

About this task

The UXSPi Upgrade operation requires an internet connection. Perform the following procedure to complete the UXSPi upgrade:

Procedure

- 1. Select one of the following options for upgrading UXSPI:
 - In the Home View, click **UXSPI Upgrade**.
 - From the IBM System Updates and Acquisition an Publishing tool menu, select **UXSPI Upgrade**.
 - From the Actions list select Upgrade UXSPi and Check Latest Machines.

The Upgrade UXSPI and Check the Latest Machines window opens.

UXSPI Version is : 9, 20 Supported Machine Types:		
Product Family	Machine Type	-
BladeCenter HS20 (1883)	1883	
BladeCenter HS20 (8843)	8843	
BladeCenter HS22 (1911)	1911	
BladeCenter HS22 (1936)	1936	
BladeCenter HS22 (7870)	7870	
BladeCenter HS22V (1949)	1949	
BladeCenter HS22V (7871)	7871	
BladeCenter HS23E (8038)	8038	
RisdeCenter HS23E (8030)	8030	-
To get the latest UXSPI or latest s from the IBM web site.	supported server list	

Figure 22. Upgrade UXSPI and check for the latest machine list

2. Click **UXSPI Upgrade** to continue. The Upgrade UXSPi tool and check the latest machine list status window opens indicating Upgrading UXSPI....

Upgrade UXSPI tool and check the la	test machine list
Upgrading UXSPI	
	UXSPI Upgrade
OK	Abort

Figure 23. Upgrade UXSPI tool progress window

Note: The UXSPi upgrade will take some time, and is dependent on the network speed.

After successfully upgrading UXSPI, the new UXSPi version will be shown on the **Upgrade UXSPI and check the latest machine list**. The list of supported IBM System x servers will include the latest available servers on the IBM website.

Using the All Updates view

The All Updates view provides a list of current machines in the navigation pane.

About this task

To use the All Updates view option, perform the following procedure.

Procedure

- 1. In the Home view, expand **All Updates** to view the status of updates for each machine.
- 2. Select a machine listed under All Updates, to view the details related to it. The right pane displays update information, and if there are no updates for that machine, the following message is displayed:

There is no update for this machine.

You can check updates from IBM website or the WSUS server, or import them from a local folder. Or you can reload the updates if they have been downloaded and imported earlier. Click the Action button to start the process.

The figure shown below provides an example containing three machine types listed under All Updates. The BladeCenter HS22 machine was selected and currently has no updates.

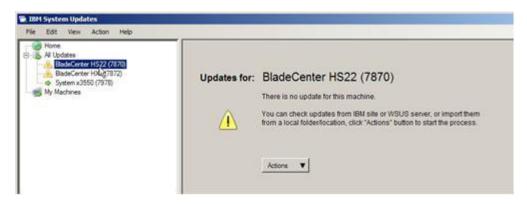


Figure 24. All Updates view with an example of no updates

3. Click **Actions** list and select **Check all updates from IBM site** to start the check update process. The following figure provides an example of available updates for the System x3100 M4 machine.

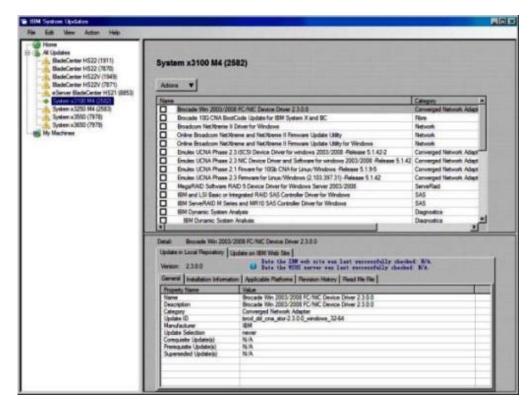


Figure 25. All Updates view example of an update for System x3100 M4

- 4. Select an update in the upper-right pane to view detailed information for that update. When an update is selected, a detail window opens that contains tabs that provide more specific information about the update.
 - update version number
 - · date of the last successful check of the IBM website and server
 - more specific information about the update is listed under each of the tabs

Reloading local updates

If you downloaded updates from the IBM website or imported the updates to the same repository path before, you can reload them into the IBM System Updates Acquisition and Publishing tool.

Click Actions, and select Reload local updates.

Importing updates from a local directory

If you downloaded the updates from the IBM website and saved them to a local directory or a shared network location, you can import them into the IBM System Updates Acquisition and Publishing tool by using the Import Wizard.

It is important to note the following information concerning updates:

- If the update package was downloaded from the IBM website in a ZIP file, extract the update package files first. The IBM System Updates Acquisition and Publishing tool requires that the contents of ZIP files are extracted.
- Each update contains two files: a binary file (.exe) and a metadata file (.xml). Both of these files are required for the update to be accepted by the IBM System Updates Acquisition and Publishing tool.
- Each IBM System Enablement Pack (SEP) contains two files: a ZIP file (.zip) and a metadata file (.xml). Both of these files are required for the update to be accepted by the IBM System Updates Acquisition and Publishing tool.

Importing updates by using the Import Wizard:

The Import Wizard imports updates from a local directory or a shared network location.

About this task

Updates are available as individual updates, sequence packages, or as UpdateXpress System Packs.

Procedure

 To start the Import Wizard, click the machine name in the navigation pane and select Import updates from local site from the Actions list. The Import Wizard Welcome page opens.



Figure 26. Import Wizard Welcome

2. Click Next to continue. The Select Updates Source page opens.

IBM System Updates - Import Wizard	×
Select Updates Source	IBM
Import updates from a local directory or a network share path.	
Updates source folder:	
\\9.123.251.188\cs\Program Files\JBM\JBM System Updates\Rk Browse	
Note: Some machines rely on the System Enablement Pack (SEP) to allow UXSPI to install the updates. If the target machine requires a SEP, copy the SEP package under the selected folder first.	
	1
<back next=""> Frish</back>	Cancel

Figure 27. Select Updates Source

3. Click **Browse** to locate and select the **updates source folder**, and then click **Next**.

Note: The IBM System Updates Acquisition and Publishing tool imports the updates to the root path. Updates located in subdirectories will not be imported. To import these files, run the Import Wizard again and select the subdirectory on the Select Updates page.

	4		1	10 12
UpdateName	Category	Version	MachineType	
ati_dd_video_8.24.3_windows_i386	Video	8.24.3	7978	
ati_dd_video_8.24.50.3_vin2k8_32-64	Video	8.24.5.3	7978	
brem_dd_nic_10.62_windows_32-64	Network	10.62	7978	
bren_dd_nic_11.7.4_windows_32-64	Network	11.7.4	7978	- 4
brcm_dd_nic_4.6.15_windows_32-64	Network	4.6.15	7978	
bren_fw_nic_2.0.7_windows_32+64	Network	2.0.7	7978	
transformation	Network	2.0.8f	7978	
bs_dd_aacraid_5.2.0.12913_windows_32-64	ServeRaid	5.2.0.12913	7978	
ibm_dd_aic79xx_7.0.0.6-1_windows_32-64	SCSI	7.0.0.6	7978	
iba_dd_aptsas_1.25.10.07_win2k_i386	SAS	1.25.10.07	7978	
ibm_dd_mptsas_1. 30. 02. 00_windows_32~64	SAS	1.30.02.00	7978	
C% ibm_dd_mptsas_1.31.02.00_windows_32-64	SAS	1.31.02.00	7978	
ibm_dd_sraidmr_2.20_win2k_i386	SAS	2.20	7978	
🗖 😋 ibn_dd_sraidmr_3. 9_windows_32-64	SAS	3.9	7978	
🗖 🔜 ibm dd sraidmr 4.32a windows 32-64	SAS	4.32.0	7978	

Figure 28. Select Updates

4. On the Select Updates page, you can either select individual updates, or you can select all the available updates by selecting the Select All check box. Click Next to start importing the updates to the IBM System Updates Local Repository. The Importing Updates page shows the progress of the import operation.

2				-
nporting updates finished!			Y	1
UpdateID	Version	MachineType	Status	-
💟 ati_dd_video_8.24.3_windows_i386	8.24.3	7978	Success	
ati_dd_video_8.24.50.3_win2k8_32-64	8.24.5.3	7978	Success	- 11
w brem_dd_nic_10.62_windows_32-64	10.62	7978	Success	1111
bren_dd_nic_11.7.4_windows_32-64	11.7.4	7978	Success	
bren_dd_nic_4.6.15_windows_32-64	4.6.15	7978	Success	
bren_fw_nic_2.0.7_windows_32-64	2.0.7	7978	Success	
brom_fw_nic_2.0.8f_windows_32-64	2.0.8f	7978	Success	
📴 ibm_dd_aacraid_5. 2. 0. 12913_windows_32-64	5.2.0.12913	7978	Success	
🔽 ibm_dd_aic79xx_7.0.0.8-1_windows_32-64	7.0.0.6	7978	Success	
🔽 ibn_dd_mptsas_1.25.10.07_win2k_i386	1.25.10.07	7978	Success	
📴 ibm_dd_mptsas_1.30.02.00_windows_32-64	1.30,02.00	7978	Success	
🔯 ibm dd mptsas 1.31.02.00 windows 32-64	1. 31 22.00	7978	Success	

Figure 29. Importing Updates

5. After successfully importing the updates, click **Next** to view a summary of the imported updates. On the Import Finished page, the status of the import is displayed, indicating the number of updates that were imported and a list of these updates.

System Updates - Import Wizard		
mport Finished		15.
Import succeed, 48 of 48 u	ipdates have been imported.	
Please view the imported ati_dd_video_8.24.3_windows_i	386	-
ati_dd_video_8.24.50.3_win2k8 brcm_dd_nic_10.62_windows_3 brcm_dd_nic_11.7.4_windows_	32-64	
brcm_dd_nic_4.6.15_windows_ brcm_fw_nic_2.0.7_windows_32	32-64 2-64	
brcm_fw_nic_2.0.8f_windows_3 ibm_dd_aacraid_5.2.0.12913_w ibm_dd_aic79xx_7.0.0.6-1_wind	indows_32-64 ows_32-64	
ibm_dd_mptsas_1.25.10.07_win	n2k_1386	

Figure 30. Import Finished

6. Click Finish.

Checking all updates from the IBM website

This topic describes how to check all updates for a specific machine type from the IBM website.

About this task

This task requires a network connection to the Internet and a product license. You can either use an HTTP Proxy to access the Internet or you can directly connect to the Internet.

There are two options for checking updates from the IBM website:

- To Check all updates from IBM site, complete step 1.
- To Check selected updates from IBM, complete step 2.

Procedure

- 1. Click the **machine name** in the navigation pane and click the **Actions** list and select **Check all updates from IBM site**. This action performs a check for all updates related to the specific machine type on the IBM website.
- 2. Click the machine name in the navigation pane. If there are any updates listed in the right pane, select one or more these updates from the updates from the list view. (Press Ctrl or Shift to select multiple updates.) Select Check selected updates from IBM from the Actions list. This action performs a check of selected updates related to a specific machine type on the IBM website.

Check Updates From IBM Website	
Check Updates	IBM.
Getting all updates information for machine type [2582] from the IBM web site	
This process might take several minutes. Please wait	
Cancel	

Figure 31. Check all updates from the IBM website

This process may take several minutes to complete.

After the Check Updates process has finished, the version of the update on IBM site line is updated and the detailed information about the update is provided. If the version on the IBM site is higher than the version on the local repository, there will be a blue icon beside the update name and a warning

message indicating the lower version.

Indiate in	Local Repostory Upd	as a source as 1
puere m	rocal heboseory Upd	
Version:	2.3.0.0	Date the IBN web site was last successfully checked: N/A. Date the WSUS server was last successfully checked: N/A.
General	Installation Information	Applicable Platforms Revision History Read Me File
Property	Name	Value
Name		Brocade Win 2003/2008 FC/NIC Device Driver 2.3.0.0
Descript	ion	Brocade Win 2003/2008 FC/NIC Device Driver 2.3.0.0
Category	/	Converged Network Adapter
Update	ID	brod_dd_ona_stor-2.3.0.0_windows_32-64
Manufac		IBM
	Selection	never
	ste Update(s)	N/A
	ste Update(s)	N/A
Superse	ded Update(s)	N/A

Figure 32. Updates view with the General tab detail information

The General tab provides a list of the following properties and is displayed in the bottom right pane of the Updates view:

- Name
- Description
- Category
- Update ID
- Manufacturer
- Update Selection
- Corequisite Update(s)
- Prerequisite Update(s)
- Superseded Update(s)

ndata in	Local Repository	NA NIC Driver for Windows III This update is available for sync ny Update on IBM Web Ste Update on WSUS Server
ersion:	1.0.1.2	 Date IBM web site was last successfully checked: 06/07/2011. Date WSUS server was last successfully checked: 06/07/2011.
Seneral	Installation Infor	armation Applicable Platforms
- ADDICE	tion Operating S	Systems:

Figure 33. Updates view of the Applicable Platforms tab

The Applicable Platforms tab provides a list of updates for the application operating systems.

Downloading selected updates from the IBM website

This topic describes how to download the latest version of selected updates from the IBM website. Only the updates that completed a verification check from the IBM website (called remote updates), can be selected to download.

Before you begin

This task requires a network connection to the Internet and a license. You can either use an HTTP Proxy to access the Internet or you can directly connect to the Internet.

About this task

The UpdateXpress System Package has an integration-test bundle of online, updatable firmware and device driver updates for each System x and BladeCenter server.

Downloading the latest individual updates is the preferred method for installing the latest updates. This option downloads the latest updates and hot fixes, if available, than the UXSP option.

Procedure

- 1. Select an individual update or press **Ctrl or Shift** as you select multiple updates to download.
- 2. From the Actions list, select **Download Selected updates from IBM website**. The Download Wizard starts.

Using Download Wizard:

Use the Download Wizard to download selected updates from the IBM website.

Procedure

1. From the Actions list, select Download Selected updates from IBM website. The Download Wizard starts and begins downloading updates operation.

Downloading individual update: ibm	_fw_hdd_sas-1.08.01_windows_32-	64 from the IBM	web site.
UpdateName	UpdateID	Size(KB)	Status
QLogic 10 Gb CNA Adapter F QLogic StorPort Win 2003/200 QLogic 10 Gb CNA NIC Driver IBM Online SAS/SATA Hard Di	glgc_dd_nic_glge-1.0.1.2_windo	1689	Success Success Success Acquiring

Figure 34. Downloading Updates

When the download has finished, the download status is displayed on the summary page.

2. Click Finish.

Downloading selected updates and publishing them to Windows Server Update Services server

This topic describes how to download the latest versions of selected updates and publish them to Windows Server Update Services (WSUS) server directly.

Before you begin

Before you begin downloading the updates and publishing them to WSUS, you need to prepare the publishing environment. For more information see "Using the Secure Sockets Layer for Windows Server Update Services server (Optional)" on page 16.

About this task

This task requires a network connection to the Internet and a license. You can either use an HTTP Proxy to access the Internet or you can directly connect to the Internet.

Note: Only the updates that have been checked by the IBM website can be selected to download.

Procedure

- 1. Select an individual update or pressCtrl or Shift to select multiple updates.
- 2. From the Actions list, select **Download Selected updates from IBM website** . The Download and Publish Wizard starts.

Using the Download and Publish Wizard:

You can use the Download and Publish Wizard to download and publish selected updates to WSUS.

About this task

After you have selected an individual update or multiple updates to download and publish, the Download and Publish Wizard starts.

Procedure

1. Click I accept the terms in the license agreement.

License Agreement		IBM
Read the following agreement carefully.		
If you accept, click "I accept the terms in click "Cancel" to exit the wizard.	n the license agreement". Then click "Next" to continue. If you do not accept	ot.
License Agreement for Non-Warra indicate your acceptance of this govern the usage of a specific drive	ed by the System Updates Tool are subject to the International anted Programs, which appears below. Please click below to license agreement. Additional or different license terms may er or update, in which case, you can retrieve such license terms by the folder that you specified in the download wizard.	4
International License Agreement for	Non-Warranted Programs	
Part 1 - General Terms		
OR OTHERWISE USING THE PRO AGREEMENT. IF YOU ARE ACCESS	COPYING, ACCESSING, CLICKING ON AN "ACCEPT" BUTTON, OGRAM, LICENSEE AGREES TO THE TERMS OF THIS PTING THESE TERMS ON BEHALF OF LICENSEE, YOU IAT YOU HAVE FULL AUTHORITY TO BIND LICENSEE TO	-
REPRESENT AND WARRANT TH		
C Laccept the terms in the license ag	reement.	

Figure 35. Publish Wizard License Agreement

2. Click Next to start downloading updates.

The downloading updates operation may take several minutes to complete. When the downloading of updates is complete, the download status displays

ownloading individual update: brcm	_dd_nic_6.2.9.0_windows_32-64 fro	om the IBM web) site.
UpdateName Emulex 8Gb Fibre Channel H Emulex UCNA Phase 2.3 Firm Emulex UCNA Phase 2.3 NIC Broadcom NetXtreme II Driver	elx_fw_ucna_2.103.397.31_win elx_dd_nic_2.103.389.0_windo	Size(KB) 932 10266 9829 29241	Status Success Success Success Acquiring

Figure 36. Downloading Updates

on the summary page.

- 3. Click Next.
- 4. On the Confirm Updates Packages page, as shown in the figure below, confirm that all of the updates listed are ready to be published to the WSUS server.

onfirm Updates Packag		liched in the	WOLD SAFE	
elcet and confirm that the following updates	will be pub	lished to the	WSUS Server.	
Note: SEP packages will be automatically ad	ded to pub	lish if they a	re imported or downloaded.	
Name	Version	Size(KB)	ID	1
🗹 Online Broadcom NetXtreme and Net	2.1.6	9446	brcm_fw_nic_2.1.6z1-test_windows_3	
✓ Online Broadcom NetXtreme and Net	2.1.78	9761	brcm_fw_nic_2.1.7a_windows_32-64	
🗹 QLogic 10 Gb CNA Adapter FW Updat	1.01.94	3427	qlgc_fw_nic_qle8142-1.01.94_window	
System Enablement Pack	3.01	5622	ibm_utl_tsep_3.01_windows_i386	
🖌 System Enablement Pack	3.01	6670	ibm_utl_tsep_3.01_windows_x86-64	
Select this option only if you have an unknown Also select Host Bus Adapters(HBA)and (Coverged N	letwork Ada	oter(CNA) d CNA's will not be updated.	
If this option is not selected, Brocade, Emule Before you select this option, check the comp	atibility wit	h your stora	ge vendor.	
If this option is not selected, Brocade, Emule	atibility wit			

Figure 37. Confirm Updates Packages

- 5. Select one of the following options:
 - Also select updates that are not installed or are undetected. This option attempts to detect all possible hardware in the system. Select this option only if you have an unknown device in Windows that should be resolved.
 - Also select Host Bus Adapters (HBA) and Covered Network Adapter (CNA). If this option is not selected, Brocade, Emulex, and Qlogic HBAs and CNAs will not be updated. Prior to selecting this option, check the compatibility with your storage vendor.
 - Allow updates to be installed as a downgrade. This option attempts to install a downgrade version of the firmware or driver to the hardware in the system. Select this option only if you want to install the update when a higher version may already be installed.
- 6. Click **Confirm** to view the publishing results. The Publishing Updates page is displayed. This operation may take several minutes to complete.

	sraidmr_10ie-11.0.1-00	20 windows 2	2.64 of mach	0.0 7070 to WRUR	
fune	UpdateID	Version	Size 003)	Status	server
Firmware Update for	and the second se	014.0	372	published	
IBM ServeRAID MRIDie	contraction in press of the sector of the body and the	11.0.1.0030a	7507	publishing	
IBN uEFI Flash Update	and the state of t	Contract Incolor	3680	queued	
Mapping Layer for OS	iba_lib_alayr_v	1.19	506	queued	

Figure 38. Publishing Updates

The Publishing operation is complete page provides the publishing results and indicates how many updates were published to the WSUS server successfully. Any updates that were not published are listed.

7. Click Finish.

ystem Updates - Download And Publish Wizard	
ublish operation is complete	
Publish successfully.	
4 of 5 update(s) have been published to WSUS server successfully.	
The individual update: ibm_tw_mptsas_sashba-2.62_windows_32-64 exsit on WSUS serve is no need to pulish the update to the WSUS server.	r, there

Figure 39. Publish operation is complete

Publishing selected updates to the Windows Server Update Services server

This topic describes how to publish selected updates to the Windows Server Update Services (WSUS) server.

Before you begin

Before you can publish IBM updates, verify that the WSUS server and certificate are configured correctly. For more information, see "Configuring the Windows Server Update Services server" on page 15.

About this task

This task requires a network connection to the Internet and a license. You can either use an HTTP Proxy to access the Internet or you can directly connect to the Internet. See "Setup Wizard" on page 14 for information about configuring the WSUS server.

Using the Publish Wizard:

This topic describes how to use the Publish Wizard and includes instructions for publishing updates to a target Windows Server Update Services server.

Procedure

- 1. Select an individual update or press**Ctrl or Shift** to select multiple updates to download.
- 2. From the **Actions** list, select **Publish Selected updates to WSUS** to start the Publish Wizard.



Figure 40. Publish Wizard Welcome

3. Complete the steps in "Using the Download and Publish Wizard" on page 39.

Creating an update sequence

You can organize two or more local updates into one sequence package. The sequence package wraps the updates and deploys them to the client machine. When UpdateXpress System Package Installer installs the sequence package, it will automatically decide the order of the update installation.

You can save or reimport the sequence package for another deployment. The following figure is an example of saving a sequence called: my first sequence.xml.

uence package informatio	n			×
Create Sequence Pac	:kage			IBM
The sequence wraps the upda	tes in the one package.			
The sequence package w	aps the updates listed be	low and deplo	y to the client	machine together.
When UXSPI install this pa	ckage, it will automatically Update ID	y decide the up	date installat Size(KB)	ion sequence
Broadcom NetXtrem		7.6.51.0	29119	
C Qlogic FCoE Driver f			4359	
Callogic FC STOR De			4603	
G QLogic 10 GbE Dual			21133	
			No. alaka No. d	
Please enter the sequence sequence package. The fil			the detailed	information of this
Sequence N	lame my first sequence			
Save File N	lame my first sequence.	xml		
			Confirm	Cancel

Figure 41. Create Sequence Package

The Updates list contains a list of available updates and the saved sequence "my first sequence".

BladeCenter HS22 (7870)

Name		Category	Manufa +
	IBM Dynamic stem Analysis (DSA) 3.40 - Preboot Embedded	Diagnostics	IBM
	Integrated Management Module Update	IMM	IBM
	BIOS and Firmware Update for the SAS Expansion Card (CFFv) for IBM BladeCenter	SAS	IBM
	IBM ServeRAID MR10e (CIOv) Controller Firmware	SAS	IBM
	IBM ServeRAID MR10e (CIOv) Controller Firmware	SAS	IBM
	Intel-based Gigabit and 10 Gigabit Ethemet Drivers for Windows	Network	IBM
	Intel Chipset Software Installation Utility	CHIPSET-INF	IBM
	QLogic 10 Gb CNA FCoE STOR Driver for Windows	Converged Network Adapter	IBM
	QLogic StorPort Win 2003/2008 Device Driver	Fibre	IBM
	IBM ISCSI Server NIC Adapters Drivers	Network	IBM
	QLogic 10 Gb CNA Adapter FW Update for Bladecenter	Converged Network Adapter	IBM
	QLogic FC FW Update - F5.03.09 - B2.09 - E2.27	Fibre	IBM
\checkmark	my first sequence	N/A	N/A

Figure 42. Updates list with saved sequence package

You can select **my first sequence** to view specific information for that sequence update package.

The **General** tab in the detail window displays a list of properties for the sequence package.

The Update ID contains the name of the sequence, the date, and a unique identifier.

Jpdate in Local Repos	sitory	
Version: 1.07.22.41		
Date the IBM Date the WS	I web site was last successfully checked: N/A. SUS server was last successfully checked: N/A.	
General Individual U	pdates Applicable Platforms Revision History Read Me File	
Property Name	Value	4
Name	my first sequence	
Description	This sequence contains 4 updates.	
Category	NA	
Update ID	sequence_my_first_sequence_2013_10_21_07_22_41	
Manufacturer	N/A	
Update Selection	N/A	
Corequisite Update(s	s) N/A	
Prerequisite Update(s) N/A	
Supercoded Lindste/	e) N/A	

Figure 43. Sequence update General tab

The Individual Updates tab provides a sequential list of the updates as shown in following figure.

Jpdate in	Local Repository	
/ersion:	1.07.22.41	
u	Date the IBM web site was last successfully checked: N/A Date the WSUS server was last successfully checked: N/A	
General	Individual Updates Applicable Platforms Revision History Read Me File	
Name		
brcm_d	d_nic_7.6.51.0_windows_32-64	
qlgc_dd	_fc_cna-9.1.10.17_windows_32-64	
qlgc_dd	_fc_stor-9.1.10.26_windows_32-64	
qlgc_fw	_cna_qmi82xx-1.13.05_windows_32-64	

Figure 44. Individual Updates tab

Checking Windows Server Update Services updates

The topics in this section describe how to check updates from the Windows Server Update Services (WSUS) server.

There are two methods for checking updates from the WSUS server:

- Check all updates from Windows Server Update Services.
- Check selected updates from Windows Server Update Services.

Checking all updates from Windows Server Update Services:

This topic describes how to check all updates from Windows Server Update Services (WSUS).

About this task

This task requires a network connection to the Internet and a license. You can either use an HTTP Proxy to access the Internet or you can directly connect to the Internet.

Procedure

- 1. In the navigation pane, click the machine name.
- 2. From the Action list, select Check all updates from WSUS.

The Check all updates from WSUS operation may take several minutes to complete. A progress window is displayed while the operation is being performed.

Checking selected updates from Windows Server Update Services:

This topic describes how to check for selected updates from the Windows Server Update Services (WSUS) server.

About this task

This task requires a network connection to the Internet and a product license. You can either use an HTTP Proxy to access the Internet or you can directly connect to the Internet.

Procedure

- 1. In the navigation pane, click the machine name.
- 2. From the Actions list, select Check selected updates from WSUS server.

While the Check selected updates from WSUS server operation is being performed, the progress windows displays. It may take several minutes to complete this operation .

Check Updates From WSUS	
Check WSUS Updates	IBM.
Check selected updates from WSUS server.	
This process might take several minutes. Please wait	
OK	

Figure 45. Check selected updates from WSUS

After checking the version of the updates on the WSUS server, the version on WSUS column is updated. The **Update on WSUS Server** tab will contain the updates General information and Package on WSUS information.

Expiring selected updates from Windows Server Update Services

This topic describes how to expire selected updates from Windows Server Update Services (WSUS).

About this task

This task requires a network connection to the Internet and a license. You can either use an HTTP Proxy to access the Internet or you can directly connect to the Internet. See "Setup Wizard" on page 14 for information on configuring the WSUS server.

Important: The expire updates option cannot be rolled back.

Procedure

1. Select one or multiple updates and click OK.

Expire Update(s) on the WSUS Server	×
Select Updates Select the update(s) on the WSUS Server that you wish to e	IBM, xpire.
 IBM and LSI Basic or Integrated RAID SAS Controller Driver for Wi IBM ServeRAID MR10i SAS Controller Firmware [11.0.1.0008] Qlogic Update for 4G FC [Multiboot version 1.90 - 1.90] 	ndows [1.31.02.00]
0	K Cancel

Figure 46. Expire Updates on WSUS Server

2. From the Actions list, select Expire Selected updates to WSUS. The Expire Wizard opens.

System x3550 (7978)

	Category	Manufacturer	Version in Local	Version on IBM Ste	Version on WSUS	2
-	BIOS	IBM	1.17		1.17	1
ows	SAS	IBM	1.31.02.00		1.31.02.00	
ndows	SAS	IBM	1.30.02.00		1.31.02.00	1
	N/A	N/A			Multiboot version 1.90 - 1.90	
	SAS	IBM	2.72		2.72	
N'5	SAS	IBM	4.32.0		4.32.0_Expired	
dows	SAS	IBM	4.13		4.32.0_Expired	
	SAS	IBM	11.0.1.0014		11.0.1.0008	
	SAS	IBM	11.0.1.0008		11.0.1.0008	
	SAS	IBM	2.62		2.62	
	N/A	N/A	1.16.45.56		1.16.45.56_Expired	
	Network	IBM	11.7.4		11.7.4_Expired	
	Network	IBM	10.62		11.7.4_Expired	
-	Video	IBM	8.24.5.3			

Detail: Broadcom NetXtreme Device Driver for Windows

Update in Local Repository Update on IBM Web Ste Update on WSUS Server

Version	11.7.4 Expired	Date the IBM web	site was last successfully checked: 06/20/201 rver was last successfully checked: 06/20/2011
General	Package on WSUS	Date die 1505 se	the was asso successivally checked, building
Property	Name		Value
Title Descript Package			[7978]Broadcom NetXtreme Device Driver for Windows Broadcom NetXtreme Device Driver for WindowsUpdate 872139ad-1d24-2260-6/01-85a2b5edb2c4
State			Expred
Publish I	Date		5/4/2011 \$%87:23 AM

Figure 47. Expire updates detail view

After the expire operation completes, the version is updated to *Version Number_*Expired. The detail information on the **Update on the WSUS** tab is updated and the *State* property value is changed to *Expired*.

Expiring selected updates to Windows Server Update Services server without a license

If you do not have a valid license, you can expire the selected updates to the Windows Server Update Services (WSUS) server, by using a different method from the fee-based solution. If the selected updates have not been published to the WSUS server already, the expire update action fails.

Procedure

1. Select individual or multiple updates to expire.

2. From the **Actions** list, select **Expire Selected updates to WSUS**. The Expire Wizard License Agreement page displays.

IB
10000
If you do not accept,
International of System Updates t. Additional or ase, you can specified in the

Figure 48. Expire Wizard License Agreement

3. Click **I accept the terms in the license agreement** and then click **Next** to proceed with expiring the selected updates. The Expire Wizard opens.



Figure 49. Expire Wizard Welcome

4. Click Next. The Expire Wizard Confirm update packages page opens.

System Updates – Expire Wizard				2
onfirm Updates Packages elect and confirm that the following updates will be	expired to t	he WSUS se	rver.	IBM
Select and confirm to expire the following upd	ates.			
Name	Version	Size(KB)	Update ID	
Ч				

Figure 50. Expire Wizard Confirm update packages

5. Click **Confirm** to confirm the current expire choices or click **Back** to modify your previous selection of updates to expire. When the expiring updates operation completes, the expire updates status displays.

ð 💶					
xpire finished.					
Name Broadcom NetXtreme II	Update ID brcm_dd_nic_7.6	Version 7.6.51.0	Size(KB) 29119	Status Expired	
broudconn replacine in	breni_dd_nic_r.c	1.0.01.0	20110	Expired	

Figure 51. Expire operation completes

6. Click Next.

l System Updates – Expire Wizard		1
Expire operation is completed		IB)
xpire results		
Expire successfully.		
1 of 1 update(s) were expired on WSUS	3 server successfully.	
,		

Figure 52. Expire operation results

7. Click **Finish** to exit the Expire Wizard.

Deleting selected updates

You can delete selected updates from IBM Updates Repository.

Click the machine name, then select Delete selected updates from the Actions list.

Adding and removing machine types using My Machines view

My Machines view provides a list of machines on your system that can work with the IBM System Updates tool. You can use the IBM System Updates tool to add or remove a machine type from the list. The All Updates view is updated when changes are made in the My Machines view.

Procedure

1. In the navigation pane, click **My Machines**. In the right pane, a list of machines that you can manage with the System Updates tools is displayed.

🖬 1811 System Updates			الملج
Bet System Updates Pie Edt View Action Help BadeCenter HS22 (1911) BadeCenter HS22 (1911) BadeCenter HS22 (1913) BadeCenter HS22 (1913) BadeCenter HS22 (1914) BadeCenter HS22 (1917) BadeCenter HS22 (1917) BadeCenter HS23 (1917) BadeCenter HS25 (1917) BadeCenter HS2 (1917) Bade	The machines you ad web site	naged by you, that you wish to work with in this system d here will be used to determine which updates to ob	m updates tool.
	Add. Remove Product Family BladoConter HS22 BladoConter HS22 BladoConter HS22V BladoConter HS22V BladoConter HS22V BladoConter HS22V BladoConter HS2 BladoConter HS3 BladoConter HS3 BladoConter HS3 BladoConter HS3 BladoConter HS3 BladoConter HS3 BladoConter HS3 BladoConter HS3 BladoConter HS32 BladoConter HS32 BladoC	Machine Type 1511 1449 2871 2871 2873 2978 2978	

Figure 53. My Machines view

2. Click Add to open the Add New Machine Types dialog box.

roduct Family	Machine Type	
BladeCenter HS20	8843	
BladeCenter HS20	1883	
BladeCenter HS22	1936	
BladeCenter HX5	1910	
BladeCenter HX5	1909	
BladeCenter LS21-LS41	7971	
BladeCenter LS22 /LS42	7902	1
Check Latest Machines		
date retrieval action:		
not take any action at this time		

Figure 54. Add new machine types

1

3. Select one or multiple machines types. While adding new machine types, you can select an **Update retrieval action**.

The Update retrieval action has three options:

- Check updates from IBM website now
- Copy updates from a local folder to the repository
- Do not take any action at this time as the updates are already located in the repository

You can also update the machine list by clicking **Check Latest Machines**. This step requires a network connection to the Internet and a license. You can either use an HTTP Proxy to access the Internet or directly connect with the Internet.

For more information about the **Check Latest Machines** option, see "Upgrading UXSPi" on page 27.

Generating an Updates Comparison Report

You can view updates managed by the IBM System Updates Acquisition and Publishing tool, by generating an Updates Report. The Generate Updates Comparison Report Wizard provides you with a comparison report that can be saved as a CVS or TXT file on the local directory or a shared network location. The Updates Report provides a list of updates managed by the IBM System Updates Acquisition and Publishing tool.

Procedure

- 1. From the **Start** menu, launch the IBM System Updates Acquisition and Publishing tool.
- 2. From the application menu bar, click **Action**, then select **Generate Updates Comparison Report** to start the Generate Updates Comparison Report Wizard.

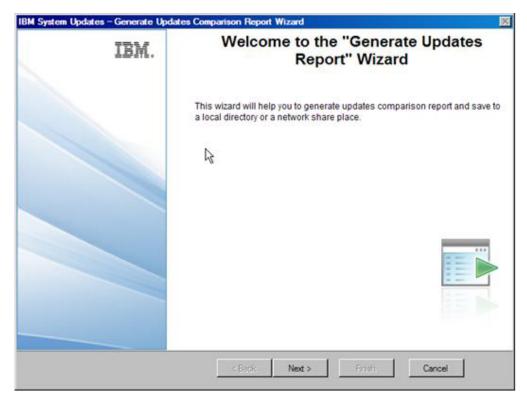


Figure 55. Generate Updates Report Wizard Welcome page

3. Click Next to continue. The Generate Updates Comparison Report page opens.

Save export to			Browse
Machine Name	Machine Type	Update Number	
BladeCenter HS22	7870	31	
System x3550	7978	60	
System x3690 X5	7192	0	
System x3850 M2 / x3950 M2	7233	0	
System x3850 X5 / x3950 X5	7191	0	

Figure 56. Generate Updates Comparison Report

- 4. Click Browse to select a location for the exported report.
- 5. Select one or more machine types to generate a comparison report, or click **Select All** to select all of the available machine types, and then click **Next**.

IBM System Updates - Generate Upda	tes Comparison Report Wizard	X
IBM.	Generate Updates Comparison Report Finished.	
	Update comparison report has been generated successfully to:	
	c:\report.bd	
	4 1 1	
	5.3 ²	
	< Back Next > Finish Concer	

Figure 57. Generate Updates Comparison Report Finished

6. Click **Finish** to close the Generate Updates Comparison Report Wizard. The comparison report is saved to the folder specified in step 3.

Viewing the journal of updates deployment results

You can the view journal of updates deployment results for the client machine. This information can assist you with troubleshooting and problem diagnosis.

The journal consists of the following information:

- Update ID
- Update Name
- Update Version
- Installation Date
- Deployment Result
- Detail

Using the View journal of updates deployment result

The following procedure describes how to generate and use the view journal of updates deployment result.

Procedure

- 1. From the **Start** menu, launch the IBM System Updates Acquisition and Publishing tool.
- From the application menu bar, click Action, and select Remotely View Journal of Update Deployments for Endpoints to connect to remote client. The View journal of updates deployment log-in page opens.

Connect to remote client	×
View journal of updates deploym	ent IBM
Enter the remote client hostname/IP, user name and passe "Connect" to view the result or "Cancel" to exit.	vord. Then click
Computer:	
User name:	
Password:	
Connect	ncel

Figure 58. View journal of updates deployment log-in page

- **3.** Enter the following remote client information on this page, and then click **Connect**.
 - Computer
 - User name
 - Password

If the IBM System Updates Acquisition and Publishing tool logs into the remote client successfully, the deployment history state is displayed in the result view.

		19	S. II STAT	1	60
Update ID	Update Name	Update Version	Installation Date	Deployment Result	Detail
bm_dd_sraidmr	IBM ServeRAID M Series a		Thursday, Marc	SUCCESS	Double Click to see Deta
bm_dd_sraidmr	IBM ServeRAID M Series a		Thursday, Marc	SUCCESS	Double Click to see Deta
brom_dd_nic_5.2.	Broadcom NetXbreme II Dri	-	Thursday, Marc	Not Required	Double Click to see Deta
bm_dd_araidmr	IBM ServeRAID M Series a	*********	Thursday, Marc	SUCCESS	Double Click to see Deta
bm_fw_bics_gfe		1.14 (GFE144A) 7.0.1-0064	Friday, April 01,	SUCCESS Not Required	Double Click to see Deta Double Click to see Deta
isi_fw_megasas	MegaRAID 8480 SAS Cont	7.0.1-0064	Tuesday, April 1	FAILURE	Double Click to see Deta Double Click to see Deta
s_fw_megasas		7.0.1-0064	Monday, April 25 Monday, April 25	FAILURE	Double Click to see Deta Double Click to see Deta
si_fw_megasas si_fw_megasas		7.0.1-0064	Monday, April 25	FAILURE	Double Click to see Deta
ai fw megasas		7.0.1-0064	Thursday, April 2.		Double Click to see Deta
bm fw_aacraid	IBM ServeRAID Sk and Sk	1.0.1-0004	Friday, April 29,	SUCCESS	Double Click to see Deta
bin ut usp dis	UXSP Package		Thursday, May 1	SUCCESS	Double Click to see Deta
sequence_7978s_	Sequence Package		Friday, May 13,	SUCCESS	Double Click to see Deta
sequence_7978s	Sequence Package		Friday, May 13.	SUCCESS	Double Click to see Deta
bm ut was ofs	UXSP Package		Saturday, May 1	SUCCESS	Double Click to see Deta
bm uti uxep ofs.	UXSP Package		Wednesday, Ma	SUCCESS	Double Click to see Deta
sequence 7978s	Sequence Package		Wednesday, Ma	SUCCESS	Double Click to see Deta
bm uti uxep ofs	UXSP Package		Friday, May 27,	SUCCESS	Double Click to see Deta
at_dd_video_8.2.	ATI RADEON Video Driver	8.24.5.3	Friday, May 27.	SUCCESS	Double Click to see Deta

Figure 59. View journal of updates deployment result

- 4. To open and view a log file for an update, double click an **Update ID**, or select an **Update ID**, and press **Enter**. The log file can be one of the following files:
 - result.txt
 - co_result.xml
 - up result.xml
 - an SUAP log file
- 5. To check the latest deployment result, click Refresh.
- 6. To exit the view journal updates deployment result, click Close.

Scanning clients for updates compliance

When a managed system receives the machine policy, a compliance scan is scheduled. Windows Update Agent (WUA) connects to the Windows Server Update Services server, retrieves the list of updates, and scans the managed system for applicability of installed rules for each update.

IBM updates have rules to check Windows Management Instrumentation (WMI) and the Register key for applicability. The compliance information will be sent back to the SCCM server. An administrator can see which updates are needed based on the compliance information.

Microsoft System Center Configuration Manager (SCCM) 2007

This topic describes how to use the Microsoft System Center Configuration Manager (SCCM) Console.

Before you begin

The following steps assume the SCCM server is already set up and configured for the environment. For information about how to set up the SCCM server, see Microsoft System Center Configuration Manager 2007.

About this task

This task is performed from the Configuration Manager Console.

- From the Start menu, click All Programs > Microsoft System Center > Configuration Manager 2007 > ConfigMgr Console to launch the Configuration Manager Console.
- 2. In the navigation pane, expand **Site Database** > **Computer Management** > **Software Updates**. Right-click **Update Repository** under the Software Updates folder and select **Run Synchronization**.

Configuration Manager Console		
Ele Action Yew Window Help		
⇔ → € 0 g 0		
tem Center Configuration Manager	Update Repository 1 Rens found	
Ste Database (SUA - IEM-0C4C58807E8, SUAP_SCCM) Ste Management Computer Management Collections A Athre Directory Security Groups	Look for:	<u>ه</u> الا د
Al Active Directory Security Groups Al Desktops and Servers Al Systems Al Users Al Users Al Users Al Users Al Users Al Undows 2000 Professional Systems Al Windows 2000 Professional Systems Al Windows 2000 Server Systems Al Windows Mobile Pocket PC 2003 Devices Al Windows Mobile Pocket PC 2003 Devices Al Windows Mobile Pocket PC 2003 Devices Al Windows Mobile Smartphone 2003 Devices Al Windows Server 2003 Systems Al Windows Server Systems Software Distribution Software Lipdates Update Lists Update Lists Update Lists Update Lists Update Lists Software Templates	Category	

Figure 60. Synchronizing the Update Repository

 Click Yes to initiate a site-wide software update synchronization. The synchronization process may take several minutes to complete. There is no graphical indication that the process has completed.

What to do next

You can view the synchronization log to determine if there was a successful completion using the following steps:

- In the navigation pane, expand Site Database > System Status > Site Status. Expand site server, and then select Component Status. The list of SCCM server components and their current status is displayed in the results pane.
- 2. In the results pane, right-click to select SMS_WSUS_SYNC_MANAGER, and then click Show Messages > All.

The SMS Status Message Viewer for the site server window is displayed with the status messages for the Windows Server Update Services (WSUS) Sync Manager. Note the most recent message indicates when the synchronization process started, was in progress, and completed.

3. After synchronization has finished successfully, right-click the **IBM** folder in the All Updates folder and select **Refresh**, to refresh the IBM folder.

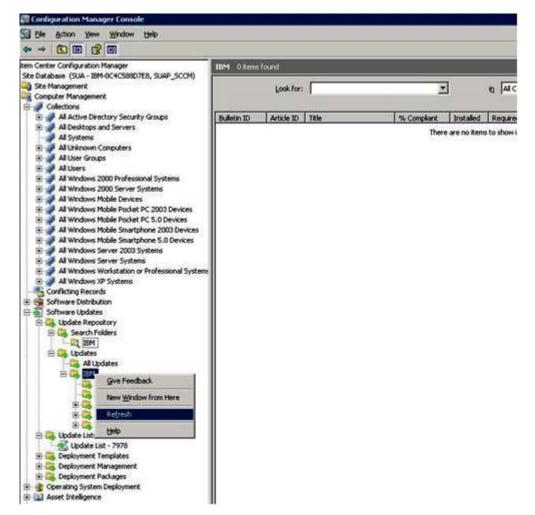


Figure 61. Refreshing the IBM folder

Published updates can be viewed in their corresponding machine type folder under the IBM folder as shown in the following figure.

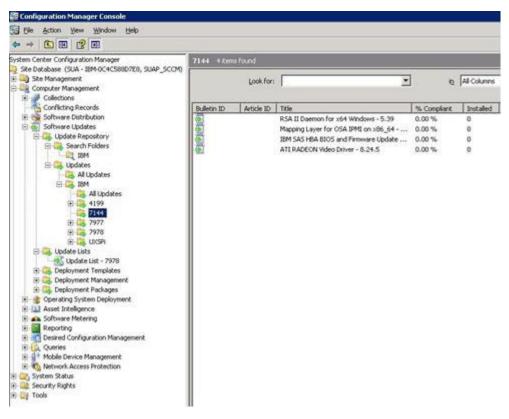


Figure 62. Viewing published updates

After updates have been deployed to their corresponding clients, during the next software update scan on the client systems, the clients report to the site database whether an update is applicable or installed for each client. The administrator can see the reported data and decide which updates need to be distributed based on the following information:

Installed

Shows the number of clients reporting an update has been installed.

Required

Displays the number of clients reporting an update is applicable and not yet installed, or the installation status has not reached the site server database.

Not Required

Shows the number of clients that are not applicable for an update.

Unknown

Displays the number of clients that have not had a successful scan for software update compliance, or the scan result has not been reported back to the site server.

Important: The UpdateXpress System Package is a prerequisite to all other IBM updates. It should be deployed to a client system before all of the other IBM updates. If the UpdateXpress System Package is not deployed on a client system, the other IBM updates will be marked as **Not Required** on that client system. If the

target machine needs an IBM System Entitlement Pack (SEP) package, the SEP package should be deployed before the UpdateXpress System Package is deployed.

After the UpdateXpress System Package has been deployed successfully, if one update has not been deployed on the client system, the compliance result of this update will be marked as **Required**.

Deploying IBM updates in Microsoft System Center Configuration Manager

Once the administrator determines which updates need to be distributed, the administrator selects the IBM updates and then distributes them to client systems by creating deployment packages.

When clients of the targeted collections receive a new deployment from the management point, clients download software updates from a distribution point that has a deployment package containing the necessary software update binaries. The binaries are then installed on clients and the compliance status is reported to the site server.

The downloading and publishing phases are implemented by the IBM System Updates Acquisition and Publishing tool. The topics in this section use the sequence described above to introduce the IBM System Updates for Microsoft System Center Configuration Manager, v5.0 solution.

IBM updates deployment prerequisites

This topic provides steps for adding the **System Update Point Role** in Microsoft System Center Configuration Manager.

Before you begin

From the navigation pane, you can check the Site System Status and Component Status by expanding **Site Database** > **Site Status**. If the Site System Status and Component Status for all items are functioning normally, the SCCM server status is displayed as *OK*.

🗄 🥏 Collections 🔄	Compone	nt Status - 44 Janu fou	nd					Actions	
Conflicting Records	1					11	-	Component Status	
E Software Updates	fice .	sk for:	To Al Columni	<u> </u>	endflaw.	1 1 2 10		Display Interval	
E LA Update Repository								Gve Feedback	
E Search Folders	Raha	Site System	Component	Thread State	Drare -	Warnings	lni 🔺	Gve Feedback	
िंधू त	120 CE	10H-GMR.GHOODAC	SHS_INDOX_MANAGER	Sated	0	0	D	View.	
- 21 c2	20 OE	1994-GEVER.GHOODING	SMS_INDOX_MONITOR	Started	0	0	D	New Window fro.	
- 2 c0	Doc	1914-GBYR-GHISOCONC	SHS_IMENTORY_DATA_LOADER	Started	0	0	D		
- LL CH	Dick.	EPI-GENRICHBOOMC	SMS_IMMENTORY_PROCESSOR	Started	0	0	0	Refrest.	
E 🔤 Updates	Sloc.	19PH-GB/RUCHBCOVIC	SHS LAW SENDER	Started	0	0	0	1 Help	
All Updates	20x	19P1-6819.0H9CONC	SHS_MP_CONTROL_MANASER	Stated	0	0	0	00	
E C 104	20 ck	19/1-58/R-6H900/MC	945 MP_FILE_CISPATCH_MAN	Started	0	0	0		
4190	2 OK	19H-GEVR.GHOCOMC	SHS_AETWORK_DISCOVERY	Rated	0	0	0		
	Stor	1995-GOVR-GHOCONC	SMS_OBJECT_REPLICATION_M	Stated	0	0	0		
COSP1	Box	294-G24R.QH3COMC	SHS_OFTER_MANAGER	Sated	0	0	0 1		
😥 🗔 Update Lists	Bot	19H-GS/R.QHOOONC	SHS_OFFER_STATUS_SUPMA	Sarted	0	0	0		
10 🕰 Depkyment Templates	Bot	1994-GSYR.QHSOONC	SMS_OUTBOX_MONETOR.	Sarted	0	o	D		
🗄 🧱 Depkryment Management	Box	1894-GSYR.GHBOOMC	SPIS_POLICY_PROVIDER	Stated	0	0	0		
In C. Depkryment Packages	Block	1979-687R.0H800WC	SHS_REPLICATION_MANAGER	Stated	0	0	0		
🛞 🔮 Operating System Deploymen	Bloc	19PH-GBVR.GHBCOMC	945_SCHEDULER	Started	0	0	0		
E (L) Asset triteligence	Sloc.	19H-GENR.GHOCONC	SMS_SITE_BACKUP	Stated	0	0	0		
E As Scroware Metering	Box	1991-5919.94900AUC	SHS_SITE_COMPONENT_MANL	Stated	0	0	0		
🗄 🌃 Reporting	BOCK.	10H-G0/R.QHOOONC	SNS_SITE_CONTROL_MANAGER	Sated	0	Ó.	4		
181 Desired Configuration Manage	Box	19H-GMR.QHOOCNIC	SMS_SITE_SQL_DACKUP	Started	0	0	0		
🗄 🔂 Queries	12 oc	ISH-GSYR.QHSOONC	SHS_SITE_SYSTEM_STATUS_S	Started	0	0	0		
12 P Mobile Device Management	Doc	1914-G81R-GHSCONC	SMS_SITE_WSS_WRITER	Started	0	0	0		
1 Network Access Protection	Bloc	1914 GB1R GHSCONC	SMS_SOPTIMARE_INVENTORY	Started	0	0	0		
System Status IN III Advertisement Status	Box	19P1-G87R-DH8COWC	SHS_SOFTWARE_METERING_F	Started	0	0	0		
Package Status	Bloc	19P1-GB1R-GHBCOMC	SHS_STATE_SISTEM	Stated	0	0	0		
III 25 Ste Status	S2 OK	19H-GB/RGHBCOWC	SHS_STATUS_PWNASER	Stated	0	0	a i		
E CLI - SCOT Server on Wit	Box	1015-691R-04900AC	SHS_WINNT_SERVER_DISCOV	Rated	0	0	3		
Concorrent Status	Back	10H-GINR.GHOODNIC	SHS_WSIS_CONFIGURATION	Started	0	0	0		
- She System Status	BOE	1014-G0/R.QH000WC	SHS_WSUS_SINC_MANAGER	Sated	0	0	0		
Status Message Queries	Box	18M-G8/R.QHBOOMC	SHS_AD_SYSTEM_DISCOVERY	Sarted	0	0	4		
Lt Security Rights	Box	18M-GRYR.GHROOMC	SMS_WSUS_CONTROL_MANAG	Rated	0	0	0		
Tools									

Figure 63. Component Status

Procedure

In the navigation pane of SCCM, expand Site Database > Site Management > %Site Name% > Site Settings > Site Systems, right click the <%Site Name%> and then select New Role. The New Site Role Wizard starts.

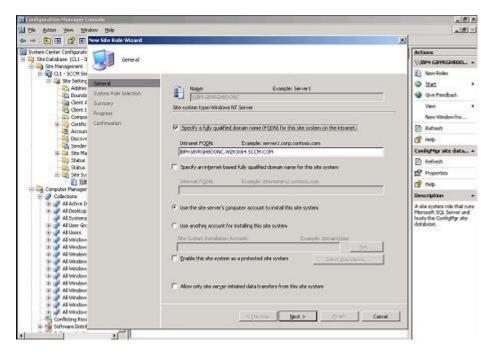


Figure 64. Configuring the system update service point

- 2. Click Next.
- **3**. Select **System Update Service Point role** and then select the default setting to configure the system update service point.
 - a. Discover client systems and install the management agent through the SCCM server.
 - b. Configure the Windows Server Update Services (WSUS) self-signing certificate on the client systems.

Note: Ensure that the SCCM managed client system has the Windows Server Update Services Publishers Self-signed Certificate in its Trusted Root Certification Authorities folder.

- c. Check the Allow Signed Content from intranet Microsoft update service Location on the SCCM Client using Windows group policy editor.
- d. Configure the group policy on the client computers.

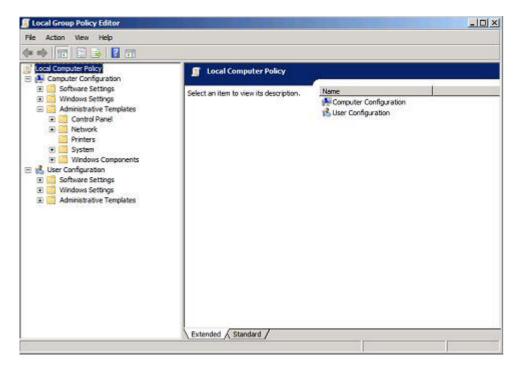


Figure 65. Local Computer Policy configuration

- 1) On the SCCM managed client operating system, click **Start** and select **Run**.
- 2) Enter GPEDIT.MSC and click OK.
- Expand Computer Configuration > Administrative Templates > Windows Components > Windows Update.

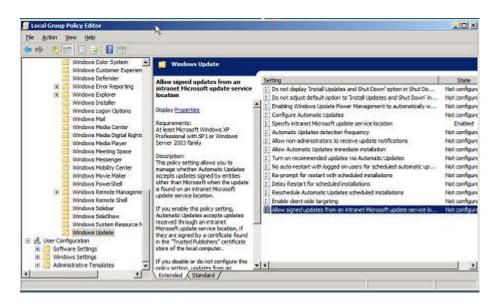


Figure 66. Allow signed updates from an intranet Microsoft update service location

- 4) Double-click Allow signed content from intranet Microsoft up-date service location.
- 5) Select Enabled and click OK. Close the Group Policy editor.
- 4. Make sure .NET Framework 2.0 or later is installed on the SCCM client before deploying IBM Updates to the SCCM client.

Deploying IBM System Enablement Pack from the SCCM server to SCCM client

This topic describes how to deploy the IBM System Enablement Pack (SEP) from the System Center Configuration Manager (SCCM) server to theSCCM client. The SEP is a package that contains system-specific codes. It is used to support new System x and Blade servers for IBM Dynamic System Analysis (DSA), firmware updates, and operating system deployment. If the target client relies on the SEP, you should deploy this package first.

About this task

The following procedure describes the steps for deploying an SEP package from the SCCM server to the SCCM client.

- 1. Open the SCCM console.
- 2. Expand **Software Updates** > **IBM** and then double click the name of the machine.

3. In the right pane, right-click the SEP to be deployed, and then select **Deploy Software Updates**.

E Computer Management	7145 Sitem found	Actions
Conflicting Records	Look for: In Al Columns I Frid tow	Gve Feedbac
Sormare update Sorchare Repository Sorchare Repository Sorchare Repository Sorchare Repository Sorchare Repository All Updates Sorchare Repository All Updates Sorchare Repository	Dubters ID Article ID Title % Complant [7145]QLogic StorPort Win 2003/2008 Device Device - 9.1.8 0.00 % [7145]QLogic 10 Gb Old PCoE STOR Device Device - 9.1.8 0.00 % [7145]Pubtos Web Device - 1.01.003 0.00 % [7145]Pubtos Web Device - 1.02.003 0.00 % [7145]Pubtos Web Device - 1.02.003 0.00 %	Vew New Window
12 7145 16 7145 16 12 7871 16 12 0053 14 105 10591	[7145 StP]Sigsten Enddement Fack - 1.02 for Windows v32bd Download Software Update List	
H Luciate Lats	Copy Petresh	Lat
Deployment Management SM52003 Advertisements	Properties	
E Deployment Packages	Heb	The mannet
Gperating System Depkyment Asset Intelligence Software Matering		Heb

Figure 67. Deploy Software Updates

The Deployment Software Updates Wizard opens.

General	Enter a unique name and detailed description that will help identify the software update deployment	
eployment Template	Enter a dirigle mains and decared data point due the help servery and another a space depayment	
Peployment Package	Name:	
ownload Location anguage Selection	[IBM Updates - SEP for 7145]	
anguage selection chedule	Description:	
ummary	2]
rogress		
onfirmation		
	2	3

Figure 68. Deploy Software Updates Wizard - General

- 4. On the Deploy Software Updates Wizard page, enter the following information, and then click **Next**.
 - a. Name
 - b. Description

The Deployment Template page opens.

and the second se	Templates can be used to define deplo	yment properties, such as target collection, package, and client
eployment Template		anually configured within the wizard and optionally saved as a
chedule	compare for factore apoint outer deproy	interna)
ummary		
ogress	Select a template or define new proper	ties for the software update deployment:
onfirmation		
	C Create a new deployment definition	i la
	Use an existing template	Details:
	JBM SEP template	Collection:
	a tom ser template	All Systems
		User Notification:
		Enabled
		Deployment Schedule: Client Local Time
		Suppress Restart:
		Servers
		Workstations
		Allow system restart outside of main Disabled

Figure 69. Deployment Software Updates Wizard Template

5. Select Create a new deployment definition and then click Next.

eneral spiovment Template	The deployment package contains the software update files that will be available to clients as part of the deployment.
sployment Package	Select a package, or create a new deployment package.
Distribution Points	Seec. a package, or create a new depoyment package.
wnload Location	Select deployment package
nguage Selection	Browse
hedule	Create a new deployment package
mmary	Name:
ogress	SEP for 7145
opress infirmation	Description:
	Package source:
	\\JBM-4QRF2Q0TMU/\WSUSTemp\/7145_sep Browse
	Example: \\servername\share Sending priority:
	Medium
	Enable binary differential replication

Figure 70. Deployment Package

- 6. On the Deployment Package page, enter the following information and then click **Next**:
 - a. In the Name field, enter the name of the SEP.
 - b. Click **Browse** to select the package source file location.
 - c. In the **Sending priority** field, select **Priority**.

The Download Location page is displayed.

ieneral Deployment Template Deployment Package Distribution Points	If your site server does not have an Internet connection, you can download the software updates from a different computer and save them to a network location accessible by the site server. Select the download location for software updates;
ownload Location	
anguage Selection	C Download software updates from the Internet
chedule	Ownload software updates from a location on the local network
ummary	G:\WSUS Browse
ogress	
onfirmation	Note: When the deployment package contains all required software updates, select the "Download software updates from the Internet" option. The software updates files will be validated, but will not be downloaded again.

Figure 71. Download Location

- 7. Click **Download software updates from a location on the local network** to select the download location for the software updates.
- 8. Click **Browse** to select the software updates file and click **Next**. The Deployment Schedule page is displayed.

Deploy Software Updates	Wizard	×
Deployment Sch	hedule	
General Deployment Template Deployment Package Distribution Points Download Location	Select the date and time that software updates will be made available to clients:	
Language Selection	deployment deadline:	
Summary Progress Confirmation	Do not set a deadline for software update installation Set a deadline for software update installation	
	6/ 1/2010 Y 9:29 PM	
	Specify whether at deadline Wake On LAN will be used to send wake-up packets to computers that require updates in this deployment. Enable Wake On LAN If the software update is urgent, it can be installed immediately at the deadline, regardless of configuration maintenance windows. Ignore maintenance windows and install immediately at deadline	
	< Previous Next > Finish Canc	el

Figure 72. Deployment Schedule

- **9**. On the Deployment Schedule page, make the following selections and then click **Next**:
 - a. Select the date and time for the software updates to be available on the clients.
 - b. Set a deadline for the software updates installation.
 - c. Optional: Enable Wake on LAN if the software updates are urgent.
 - d. Optional: Enable Ignore maintenance schedule and install immediately on deadline.

When the deployment has finished, the status is displayed.

10. Click **Close** to close the Deploy Software Updates Wizard.

Deploying IBM UXSPifrom the SCCM server to the SCCM client

The UpdateXpress System Package Installer (UXSPi) is a prerequisite to all other IBM updates. It should be deployed to the client system before all other IBM updates.

If the UXSPi is upgraded and any update is published to the Windows Server Update Services server, the newer UpdateXpress System Package replaces the old UpdateXpress System Package (if any) on the SCCM server. The following topics provide three methods for different situations of deploying the package when it is upgraded to a newer UXSPi version.

Deploying IBM UXSPi from the SCCM server to the SCCM client if an existing UXSPi is not deployed

This topic describes how to deploy the IBMUpdateXpress System Package Installer (UXSPi) from the SCCM server to SCCM client if the old UpdateXpress System Package is not deployed.

About this task

This task is performed from the Configuration Manager Console.

- From the Start menu, click All Programs > Microsoft System Center > Configuration Manager 2007 > ConfigMgr Console to launch the Configuration Manager Console.
- In the navigation pane, expand Site Database > Computer Management > Software Updates > Update Repository > Updates > IBM > UXSPI. In the results pane, right-click the UXSPi to be deployed and select Deploy Software Updates.

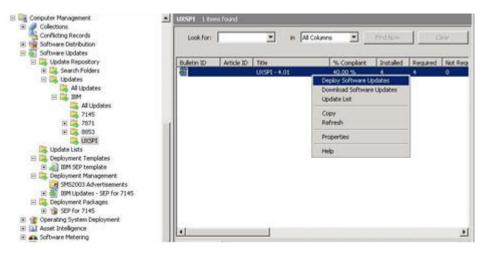


Figure 73. Deploying UXSPi to an SCCM client

3. Follow steps 4 through 10 in "Deploying IBM System Enablement Pack from the SCCM server to SCCM client" on page 69 to finish deploying the software updates.

Deploying IBM UXSPi from the SCCM server to the SCCM client if a earlier version of UXSPi is deployed

The topics in this section describe three methods for deploying the IBM UpdateXpress System Pack Installer (UXSPi) from theSystem Center Configuration Manager (SCCM) Server to the SCCM client if theUXSPi is upgraded and the old UpdateXpress System Package is deployed.

Method 1 for deploying IBM UXSPi when it is upgraded to a newer UXSPi version:

This topic describes how to deploy the package when it is upgraded to a newer UXSPi version.

About this task

There are three methods of deployment for this scenario. For this release, Method 2 is recommended.

Delete the old UXSPi deployment advertisement and deployment package and create a new UXSPi deployment package. Perform the following steps for deploying the UpdateXpress System Package from the SCCM server to the SCCM client.

- From the Start menu, select All Programs > Microsoft System Center > Configuration Manager 2007 > ConfigMgr Console to launch the Configuration Manager Console.
- 2. Right-click the old UXSPi deployment package under **Deployment Management** and select **Delete**.

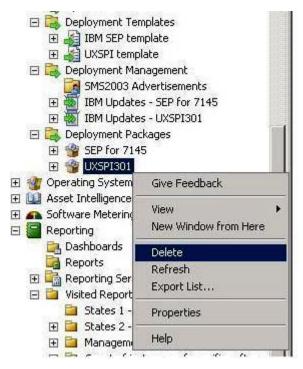


Figure 74. Deleting the old UXSPI advertisement

3. Right-click the UpdateXpress System Package to be deployed under **UXSPI machine** category and select **Deploy Software Updates**.

Follow the procedure described in "Deploying IBM System Enablement Pack from the SCCM server to SCCM client" on page 69, starting with step 4.

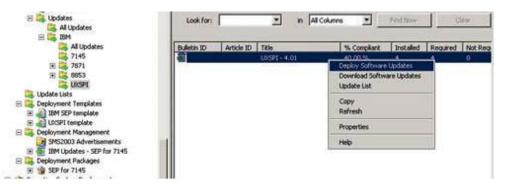


Figure 75. Deploying the UXSPI software package

Method 2 for deploying IBM UXSPi when it is upgraded to a UXSPi newer version:

This topic describes how to deploy the package when it is upgraded to a newer UXSPi version.

About this task

The new UXSPi deployment package and the old UXSPi deployment package coexist.

Procedure

- From the Start menu, click All Programs > Microsoft System Center > Configuration Manager 2007 > ConfigMgr Console to launch the Configuration Manager Console.
- 2. Right click the **UXSPI** to be deployed under the **UXSPI machine** category, and select **Deploy Software Updates**.



Figure 76. Deploying software updates when new and old packages coexist

3. For this step, follow the procedure described in "Deploying IBM System Enablement Pack from the SCCM server to SCCM client" on page 69, starting with step 4.

Method 3 for deploying the IBM UXSPi when it is upgraded to a newer UXSPi version:

This topic describes how to deploy the package when it is upgraded to a newer UXSPi version.

About this task

Adding a new UXSPi package to an existing UXSPi deployment package.

Procedure

1. Open the SCCM console, right click the **UXSPI** to be deployed under the **UXSPI machine** category, and select **Deploy Software Updates**.

ieneral Deployment Template	The deployment package contains the software update files that will be available to clients as part of the deployment.
Deployment Package	Select a package, or create a new deployment package.
Download Location	Select deployment package
anguage Selection	UXSPI301 Browse
ichedule	C Create a new deployment package
iummary Yogress	Name:
rogress Confirmation	
	Description:
	Package source:
	Example: \\servername\share Sending priority:
	Medum
	Enable binary differential replication

Figure 77. Selecting an existing UXSPI deployment package

- 2. Enter the following information and then click Next:
 - a. In the Name field, enter a unique name.
 - b. In the **Description** field, enter a detailed description that will help you to identify the software update deployment

eneral		
eployment Template	Enter a unique name and detailed description that will help identify the software update dep	моутнеги
Collection	Name:	
Display/Time Settings	IBM Updates - UKSPI	
Restart Settings	Description:	
Event Generation		-
Download Settings		-
Create Template hedule		
mmary.		
ogress		
nfirmation		
		~1

Figure 78. Software updates - General

3. Click **Create a new deployment definition** or click **use an existing template**. Click **Next**.

eploy Software Updates \	Wizard	5
Deployment Ter	nplate	
General Deployment Template Schedule Summary Progress Confirmation	settings. The properties can also be n template for future use in other deplo	oyment properties, such as target collection, package, and client nanually configured within the wizard and optionally saved as a yments.
	Create a new deployment definition Use an existing template IBM SEP template UKSPit template	n Details: Collection: Al Systems User Notification: Enabled Deployment Schedule: Clent Local Time Suppress Restart: Servers Workstations Allow system restart outside of main/ Disabled
	<p< td=""><td>revious Next > Finish Cancel</td></p<>	revious Next > Finish Cancel

Figure 79. Selecting the UXSPI deployment template

4. Click **Select Deployment Package**, and **Browse** for an existing UXSPi deployment package.

	the deployment.	
Peployment Package	Select a package, or create a new deployment package.	
Oownload Location	Select deployment package	
anguage Selection	UKSP1301	1
ichedule	C Create a new deployment package	Browse
iummary	 Create a new deployment package Name: 	
Yogress Confirmation		
.onnrmacion	Description:	
		12.
	Package source:	Transa I.
	Example: \\servername\share Sending priority:	Browse
	Medium	
	Enable binary differential replication	

Figure 80. Selecting an existing UXSPI deployment package

5. For the remaining steps in this procedure, complete steps as described in "Deploying IBM System Enablement Pack from the SCCM server to SCCM client" on page 69, from step 4.

Chapter 4. Working with Microsoft System Center Configuration Manager 2012

The topics in this section describe how to work with Microsoft System Center Configuration Manager 2012.

Synchronizing software updates

The following procedure describes how to synchronize software updates.

Before you begin

The System Center Configuration Manager(SCCM) server must already be set up and configured for the environment. For information about how to set up the SCCM, see System Center 2012 Configuration Manager.

- Click Start > All Programs > Microsoft System Center 2012 > Configuration Manager > Configuration Manager Console to launch the Configuration Manager Console.
- 2. In the navigation pane, expand **Software Library** > **Overview** > **Software Updates**.

Synchronize Software Updates All Software Updates Rep	200 C 200 C 200		Saved earches - Search	Down	kad Create Software Update Group Update		Move Move	Properties Properties			
🗲 🤿 🔹 🛐 🔪 software i	ibrary + O	enview	 Softw 	are Upd	Sates > All Software Updates						. 2
ioftware Library	< All S	oftwar	re Updates	8 item	6						
Overview	Sec	rch							XPS	earch /	dd Criteria +
🕴 🛄 Application Management	Joon	Icon Title Dulletin ID						Required	Installed	Percent Co	
 Software Updates 	•	[7912]Emulex UCNA Phase 2.3 NDC Device Driver and Software for windows 2003/2008							0	0	0
All Software Updates		T70177Fm Jaw XXXI Device Driver for Windows 2008 - 41.334.0 - Release 4.0.1 - 4.1.334. Software Updates Software Updates							۰	0	0
AT soussale obnaie on	Automotion 20	covare (oposies	_	m PC3172 2-port 8Gb PC Multiboot Update Package - 2.26a/.flex					0	0
		narization Update - 1.00 2 Device Drivers for Windows 2008 PLEX Systems - 9.1.9.48					•	0	0		
	ichedule Summ	Summarization Cervice Drivers for Windows 2008 PLEX Systems - 9.1.9.48 bevice Driver for Windows 2008 - 4.0.317.0 - Release 3.0.1 - 4.0.317.0						•	0	0	
* Operating Systems	older	Perce Driver for Windows 2008 - 4.0.317.0 - Keesse 3.0.1 - 4.0.317.0 Series SAS Expander Card - 608G						0	0	0	
		1	LOISPI - 9.20						0	0	0
					•					22.5 0	,
Assets and Compliance	[2	912]	Emulex	UCNA	Phase 2.3 NIC Device Drive	r and Software	for wir	ndows 200	3/2008 -1	Release	5.1.42 - *
Software Library	D	tal				Statistics					í
Monitoring		Severity: None Bulletin ID: Article ID: Date Released: 5/25/2012 10:36 AM					Compliant 0 Required: 0 Not Required: 0 Unknown: 0				

Figure 81. Synchronizing the Update Repository

- **3**. Expand Software Updates, right-click **All Software Updates** and select **Synchronize Software Updates**.
- 4. Click **Yes** to initiate a site-wide software update synchronization. The synchronization process may take a few minutes to complete. There is no graphical indication that the process has completed.
- 5. After synchronization has successfully finished, refresh updates by clicking the **Refresh** button of Navigation Bar as shown in the following figure.

Pone Falle												
Synchronize Software Updates Id Software Updates		Schedule mmercation	Saved Searches - Search	Download	Create Software Update Group Update	/ Edt Menbership	Deploy Deployment	Move Move	Properties			
-> • 🗊 \ • Sotw	ere Libr	wy + Ov	erview + Soft	vare Updates	+ Al Sobie	re Updates						
itears Library		4 485	oftware Update	a à items								Rafe
# Overview		See	eA .							X 05	1015 A	dd Criteria •
Application Management	63	loos	76+						Bulleton 1D	Repared	Installed	Fercent Com
Software Updates		6	(7912)6mJ	iex UCNA Pha	ee 2.3 NIC Devic	e Driver and Software A	v windlove 2003	2008 -		0	0	0
All Software Updates			(7917)6mJ	lex (SCST Dev	ce Driver for We	dowe 2008 - 4.1.334.0	Release 4.0.1	4.1.334		0		0
Software Update Grou	pa	-	(7917)28H	Files System I	C3172 3-port 80	& PC Multiboot Update	teckage - 2.21af	Aex.		.0	0	0
Deployment Packages			[7917]BM	UEPI Flash Lp	páste - 1.00					0		0
Automatic Depkoymen	t Rules	6	[7917]Qkg	R PC STOR D	evice Drivers for	Windows 2008 FLEX Su	dens - 9.1.9.48			.0		0
· · ··································		-	*****				Reference To A. o.			-		-

Figure 82. Refreshing updates

- **6**. To see if the synchronization process completed successfully, by completing the following steps.
 - a. In the navigation pane, expand Monitoring > System Status > Site Status.
 - **b.** Expand **site server** and click **Component Status**. The list of SCCM server components and their current status is displayed in the results pane.
 - c. In the results pane, right-click SMS_WSUS_SYNC_MANAGER and select Show Messages > All. The SMS Status Message Viewer for the site server window opens with the status messages for the WSUS Sync Manager. Note the most recent message which indicates when the synchronization process started, when it was in progress, and whether it completed.

Viewing published updates

The following procedure describes how to view published updates.

About this task

This task is performed from the Configuration Manager Console.

- Click Start > All Programs > Microsoft System Center 2012 > Configuration Manager > Configuration Manager Console to launch the Configuration Manager Console.
- In the navigation pane, expand Overview > All Software Updates. and right-click All Software Updates.

Folder Tools System	Center 2012 Configuration Manager (Connected to BBA - SCCH2012RTH_ANG) (Evaluation, 162 days left)			-101 >					
Home Folder				- 6					
Synchronize Schware Updates Il Software Updates	Sevel Sevel Sarch Lipdate Convision Desky Move Properties Sarch Lipdate Lipdate Dapky Hove Properties								
🗲 🧼 - 🗑 🔪 • Software Libri	ry + Overview + Software Updates + All Software Updates								
oftware Library	All Software Updates 8 items								
Ø Overview	Search	X 23	mth A	d Ottera •					
1 📫 Application Management	Icon Title Dulletin ID	Required	Installed	Percent Co					
4 📑 Software Updates	[7912]Emulex UCNA Phase 2.3 NIC Device Driver and Software for windows 2003/2008	0	0	0					
All Software Updates	[7917]Emulex (SCSI Device Driver for Windows 2008 - 4.1.334.0 - Release 4.0.1 - 4.1.334	0	0	0					
Software Update Groups	[7917]IBM Flex System FC3172 2-port 8Gb PC Multiboot Update Package - 2.26af.flex	٥	0	0					
Deployment Packages	[7917]28M uEPI Wash Update - 1.00		0	0					
Automatic Deployment Rules	[7917]Qkogic PC STOR Device Drivers for Windows 2008 FLEX Systems - 9.1.9.48	. 0	0	0					
* 📫 Operating Systems	[7918]Emulex ISCSI Device Driver for Windows 2008 - 4.0.317.0 - Release 3.0.1 - 4.0.317.0	ø	0	0					
	[7918]IBM 6Gb 2500 Series SAS Expander Card - 608G	•	0	٥					
	€ UG91-920 0 0								
	•								
🛃 Assets and Compliance	[7912]Emulex UCNA Phase 2.3 NIC Device Driver and Software for windows 200	3/2008 -R	elease 5	1.42 - 1					
🚳 Software Library	Detail Statistics			6					
Monitoring	Severty: None Bulletin ID: Article ID: Date Released: \$/25/2012 10:36 AM	Rec Not	Compliant 0 Required 0 Not Required: 0 Unknown: 0						
	Summary Deployment								
andy.				_					

Figure 83. Viewing published updates

Results

After the updates have been deployed to their corresponding clients, the clients report to the site database on the next software update scan on the client systems, indicating whether each update is applicable or installed for each client. The administrator can see the reported data and decide which updates need to be distributed based on the following information:

Installed

Indicates the clients for which the update has been installed.

Required

Indicates the clients for which the update has been installed, reporting that either the update is applicable and not yet installed, or that the installation status has not reached the site server database.

Not Required

Shows the number of clients for which an update is not applicable.

Unknown

Displays the number of clients for which an update is not applicable, did not have a successful scan for the software update compliance, or the scan result has not been reported back to the site server.

Important: The UXSPi package is a prerequisite to all other IBM updates. It should be deployed to the client system before all of the other IBM updates. If the UXSPi package is not deployed on the client system, the other IBM updates will be marked as "Not Required" on that client system. If the target machine needs a SEP package, deploy the SEP package before deploying the UXSPi package.

After the UXSPi package has been successfully deployed, if one update has not been deployed on the client system, the compliance result of the update will be marked as "Required".

Deploying IBM Updates in System Center Configuration Manager

After you determine which updates need to be distributed, the administrator selects the IBM updates and distributes them to the client systems by creating deployment packages.

When clients of the targeted collections receive a new deployment package from the management point, clients download software updates from a distribution point that has a deployment package containing the necessary software update binaries. The binaries are then installed on clients and the compliance status is reported to the site server.

The downloading and publishing phases are completed by the IBM SUAP tool.

The other topics in this section provide detailed information about implementing the IBM System Updates for Microsoft System Center Configuration Manager, v5.0 solution.

Checking IBM updates deployment prerequisites

Perform the following procedure to check the prerequisites for deploying IBM updates.

About this task

This task is performed from the Configuration Manager Console.

- Click Start > All Programs > Microsoft System Center 2012 > Configuration Manager > Configuration Manager Console to launch the Configuration Manager Console.
- 2. In the navigation pane, expand **Overview**. Select one or more of the following to view status.
 - Site Status
 - Component Status
 - Site Systems Status

System Center 2012 Configuration P	lanager (Cor	inected to	88A - SCCH2012RTH_ANG) (Evaluation, 162 day	rs kelt)			_10()
Home							
Sared Sared Show Rest Sa Searche Courts - Search Courts -	() Refre	Prop	ettes				
🗧 -> - 😽 / + Monitoring +	Overview	 System 	Status + Component Status				22
lonitoring	< Compo	ment Statu	is 52 items				
Dverview	* Search	£			IX IP	Seech.	Add Oriteria •
* 🍃 Alerts	Icon	Status	Component	Site System	Туре	Site Code	
🐊 Queries	0	ок	SMS_RULE_ENGINE	WIN-MRSVUNA31FD.	Monitored Thread Comp.	88A	
Reporting	0	OK	SHS_REPLICATION_MANAGER	WIN-MRSVUNAJ1FD.	Monitored Thread Comp	884	
R Site Hierarchy	0	OK	SHS_REPLICATION_CONFIGURATION_MONITOR	WIN-MRSVUNA31FD	Monitored Thread Comp.	854	
System Status	. 0	OK	SHS_SITE_COMPONENT_MANAGER	WIN-MRSVUNA31FD	Component Not Installe	884	
Site Status	0	OK	SHS_SITE_BACKUP	WIN-MRS/UNA31FD.	Unmonitored Service Co	88A	
Grow Component Status	0	OK	SHS_SCHEDULER	WIN-MRSVUNAJ1FD	Monitored Thread Comp.	884	
Conflicting Records	0	OK	SMS_POLICY_PROVIDER	WIN-MRSVUNA31FD	Monitored Thread Comp.	88A	
Status Message Queries	0	OK	SMS_OFFER_STATUS_SUMMARIZER	WIN-MRSVUNA31FD	Monitored Thread Comp .	884	
P Deployments	0	OK	SHS_OFFER_MANAGER	WIN-MRSVUNA31FD.	Monitored Thread Comp	884	
Client Status	0	OK	SH5_OBJECT_REPLICATION_MANAGER	WIN-MRSVUNA31FD	Monitored Thread Comp.	88A	
Database Replication	0	OK	SH5_PACKAGE_TRANSFER_MANAGER	WIN-MRSVUNA31FD	Monitored Thread Comp	88A	
Distribution Status	. 0	OK	SHS_OUTBOX_MONITOR	WIN-MRSVUNA31FD	Monitored Thread Comp	85A	
Assets and Compliance	0	OK.	SHS_OFFLINE_SERVICING_MANAGER	WIN-MRSVUNA31FD.	Unmonitored Thread Co.	BBA	
	0	OK	SH5_WSUS_CONFIGURATION_MANAGER	WIN-MRSVUNA31FD	Monitored Thread Comp.	88A	
Software Library	0	OK	SMS_WINNT_SERVER_DISCOVERY_AGENT	WIN-MRSVUNA31FD	Unmonitored Thread Co	88A	
Monitoring	0	OK	SHS_STATUS_MANAGER	WIN-MRSVUNA31FD	Monitored Thread Comp.	88A	
	0	OK	SMS_WSUS_CONTROL_MANAGER	WON-MRSVUNAJ1FD	Monitored Thread Comp.	88A	
Administration	0	OK	SHS_FALLBACK_STATUS_POINT	WIN-MRSVUNA31FD	Monitored Thread Comp	88A	
	- 0	OK	SMS_WSUS_SYNC_MANAGER	WIN-MRSVUNA31FD.	Monitored Thread Comp.	88A	
ady .		1.11.12			1.5		

Figure 84. Component Status

If the component is functioning normally, the site status, component status, and site system status displays as OK, and the SCCM server status is normal.

Adding the System Update Point Role in SCCM

Perform the following steps to add the System Update Point Role.

About this task

This task is performed from the Configuration Manager Console.

Procedure

- In the navigation pane, expand Administration > Overview > Site Configuration > Configuration Manager > Servers and Site System Roles > %Site Name%.
- 2. Right click %Site Name%.
- 3. Select Add Site System Roles. The Add Site System Roles Wizard starts.
- 4. Click Next.
- 5. Select the **System Update Point** role.

The Select a server to use a site system page opens.

System Role Selection Software Update Point Active Settings		a site system									
Summary	WIN-MR5VUNA31FD.angle		Browse								
Progress											
Completion	Site code: 88A - SOCM20	and a second	<u> </u>								
	Specify an FQDN for this site a										
		Internet FQDN: Example: Internetsrv2.contoso.com									
		WIN-MR5VUNA31FD angle acom2012rc com									
	Require the site server to initial	Require the site server to initiate connections to this site system									
	After the installation of the site syst Installation Account.	em roles, the site server initiates all connections to the site system server by	using the Site System								
		Ste System Installation Account Ste System Installation Account Use the ste server's computer account to install this ste system Use another account for installing this ste system									
	 Participation and the second statement of the second statement of										
	C Use another account for installe										
		- Contraction Contraction	Set.								
	- Arthur Directory membership										
	Active Directory membership	annia scom 2012m com									
	Active Directory membership Active Directory forest Active Directory domain	angle sccm2012rc.com angle sccm2012rc.com									

Figure 85. Select a server to use as a site system

6. Accept the default setting for configuring the system update service point.

Configuring the client machine

After adding a system update service point, you must configure the client machine to receive updates.

About this task

This task is performed from the Configuration Manager Console.

Procedure

 Click Start > All Programs > Microsoft System Center 2012 > Configuration Manager > Configuration Manager Console to launch the Configuration Manager Console.

- **2**. Discover the client systems and install the management agent through the System Center Configuration Manager (SCCM) server.
- 3. Configure the Windows Server Update Services (WSUS) self-signing certificate on the client systems. Ensure that the SCCM managed client system has the WSUS Publishers Self-signed Certificate in its Trusted Root Certification Authorities folder.
- 4. Check the Allow Signed Content from the intranet Microsoft update service Location on the SCCM Client using the Windows group policy editor.
- 5. There are several methods for configuring the group policy on client computers. Perform the following steps to configure the group policy on client computers.
 - a. On the SCCM managed client operating system, click **Start** and select **Run**. Type **GPEDIT.MSC** and click **OK**.
 - b. Expand Computer Configuration > Administrative Templates > Windows Components > Windows Update.

📕 Local Group Policy Editor			_IOI ×
File Action View Help			
Conjuter Polos Conjuter Configuration Software Settings Windows Settings Control Panel Network Printers System System Software Settings Windows Settings Software Settings Software Settings Administrative Templates	Local Computer Policy Select an item to view its description.	Name Computer Configuration	
	Extended Standard /		

Figure 86. Local Computer Policy configuration

c. Double-clickAllow signed content from intranet Microsoft update service location.

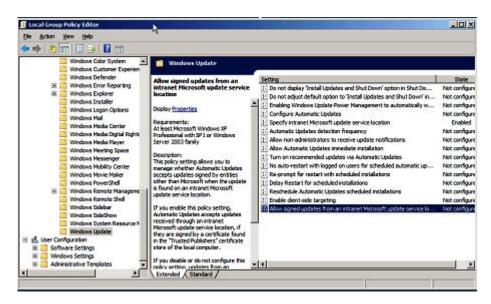


Figure 87. Allowing signed updates from an intranet Microsoft update service location

- d. Select Enabled and click OK.
- e. Close the Group Policy editor.

What to do next

Verify that .NET Framework 2.0, 3.0, or 3.5 is installed on the SCCM client before deploying IBM Updates to the SCCM client.

Deploying the IBM SEP from the SCCM server to the SCCM client

The IBM System Enablement Pack is a package that contains system-specific codes. It is used to support new System x and Blade servers for DSA, firmware updates, and operating system deployment. If the target client relies on the SEP, it should deploy this package first. The following procedure describes how to deploy an IBM SEP package from the System Center Configuration Manager (SCCM) server to the SCCM client.

About this task

This task is performed from the Configuration Manager Console.

Procedure

 Click Start > All Programs > Microsoft System Center 2012 > Configuration Manager > Configuration Manager Console to launch the Configuration Manager Console. 2. In the navigation pane, expand Software Library > Overview > Software Updates > All Software Updates.

Home Folder					100	-		6		~ (
2 🕨 🖻			ST 4	Edit Membership Review License	-	10				
Synchronize Run Scher Software Lodates Summarization Summar		Saved Download Creat arches • Upp	te Software late Group	NEWEW LICENSE	Deploy	Move	Properti			
4 Software Updates Reports	2022/01/02/202	Search	Update		Deployment	Move	Properti	es		
🗲 -> - 📓 \ + Software Library	Overview	Software Updates	All Software Up	dates						• \$
oftware Library 4	All Softwar	e Updates 9 items								
Ø Overview	Sourch							×	() Search	Add Criteria •
Application Management		tie	*				Required	Installed	Percent Complian	t Downloade
 Software Updates 		2583]IBM System Enablement		Download			0	0	0	No
All Software Updates		7912]Emulex UCNA Phase 2.3	NIC Del	Create Software Up	tate Group		0	0	0	No
Software Update Groups	1000	7917]Emulex (SCSI Device Dr	iver for V	Edit Membership		-	0	0	0	No
Deployment Packages Automatic Deployment Rules		7917]IBM Flex System FC317. 7917]IBM uEFI Flash Update	2 2-port	Review License			0	0	0	No
Operating Systems		7917]Qlogic FC STOR Device					0	0	0	No
- opening systems		7918)Emulex (SCSI Device Dr		Deploy			0	0	0	No
	10 mm	7918]IBM 6Gb 2500 Series SA		Move			0	0	0	No
	100	NSP1 - 9.20	and the second sec	Properties			0	0	0	No
	-									
Assets and Compliance	[2583]	IBM System Enablen	ent Pack -	1.01						
👘 Software Library	Detail				Statistics					
Monitoring	Sevento								Compliant 0	
Administration	Bulletin Article I Date Re	ID:	012 10:07 AM						Required 0 Not Required Unknown: 0	•
	Street, and party	Deployment								

Figure 88. Deploy Software Updates

3. In the results pane, right-click the SEP to be deployed and select **Deploy**. The Deploy Software Updates Wizard opens.

General Deployment Settings Scheduling	Specify genera	al information for this deployment	
User Experience	Deployment Name:	IBM SEP - 2012-06-05 10:21:44 AM	
Alerts	Description:		
Download Settings			-
Deployment Package			5
Distribution Points			<u> </u>
Download Location	The following softwa	are updates or software update groups are included in this deployment.	
Language Selection	Software Update/So Update Group:	oftware [[2583]IBM System Enablement Pack - 1.01	Browse
Summary Progress			11.2 ⁻¹
			A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR
100-100 Nove	Select a previously s wizard, you have the	saved deployment template that defines configuration settings for this deployment e option to save the current configurations as a new deployment template.	t. Before you complete this
Completion	Select a previously wizard, you have the	saved deployment template that defines configuration settings for this deployment e option to save the current configurations as a new deployment template.	t. Before you complete this
Addition of the second s	wizard, you have the	saved deployment template that defines configuration settings for this deployment e option to save the current configurations as a new deployment template.	t. Before you complete this
Addition of the second s	wizard, you have the	e option to save the current configurations as a new deployment template.	t. Before you complete this
Addition of the second s	wizard, you have the	e option to save the current configurations as a new deployment template.	t. Before you complete this
100-100 Nove	Vizard, you have the Select Deploy this software	e option to save the current configurations as a new deployment template.	
100-100 Nove	Vizard, you have the Select Deploy this software	e option to save the current configurations as a new deployment template.	
100-100 Nove	Vizard, you have the Select Deploy this software	e option to save the current configurations as a new deployment template.	
100-100 Nove	Vizard, you have the Select Deploy this software	e option to save the current configurations as a new deployment template.	
Addition of the second s	Vizard, you have the Select Deploy this software	e option to save the current configurations as a new deployment template.	
Addition of the second s	Vizard, you have the Select Deploy this software	e option to save the current configurations as a new deployment template.	
100-100 Nove	Vizard, you have the Select Deploy this software	e option to save the current configurations as a new deployment template. Ioyment Template	
100-100 Nove	Vizard, you have the Select Deploy this software	e option to save the current configurations as a new deployment template. Ioyment Template	
Addition of the second s	Vizard, you have the Select Deploy this software	e option to save the current configurations as a new deployment template. Ioyment Template	

Figure 89. Deploy Software Updates Wizard - General

- 4. Enter the following information:
 - a. Deployment Name: Enter a unique name.
 - b. **Description**: Enter a detailed description that will help you to identify the software update deployment
- **5.** Click **Browse** to select the collection and then click **Next**. The Deployment package page opens.

neral ployment Settings heduling	Specify the package to use	
er Experience erts winload Settings	The deployment package contains the software update files that will be available to cir select an existing deployment package or create a new one.	ents as part of the deployment. You can
ployment Package	C Select deployment puckage.	
Distribution Points		Browse
wnload Location	Create a new deployment package:	
nguage Selection		
mmary	Name: SEP - 2853	
ogress mpletion	Description:	
		×
	Package source (Example): \\cserver>\dolder path>	
	\\WIN-MR5VUNA31FD\WSUSTemp\SEP-2583	Browse
	Sending priority:	
	Medum	

Figure 90. Deployment package page

- 6. If you are using an existing deployment package complete steps a ,e, and f. If you are creating a new deployment package, complete steps b, c, d, e, and f.
 - **a**. Click **Select a deployment package** and click **Browse** to select the deployment package.
 - b. Click Create a new deployment package
 - c. Enter a unique name for the SEP in the Name field.
 - d. Browse to select the package source file location.
 - e. Select the Sending priority.
 - f. Click Next.

The Distribution Points page opens.

	Distribution points or	r distribution point groups:					
lets	Fiter				2	Add 🔻	
ownload Settings	Name	Description	Associations	1	<u></u>		
eployment Package	Name \\WIN-MR5VUNA		Associations		_	Distribution Poin	
Distribution Points						Distribution Poin	t Group
ownload Location							
nguage Selection							
ammary							
ogress							
ompletion							

Figure 91. Distribution Points page

- 7. Click **Add** and select **Distribution point**. Click **Next**. The Download Location page opens.
- 8. Select **Download software updates from a location on my network** and click **Browse** to navigate to the software updates file location, then click **Next** The Language Selection page opens.
- 9. On the Language Selection page, use or modify the default settings for Language Selection and click **Next**. The Summary page opens.

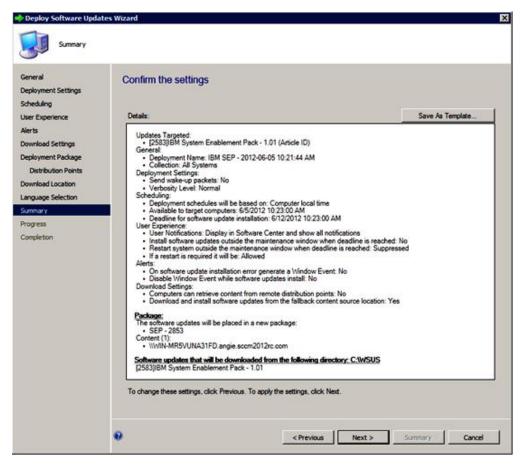


Figure 92. Deployment Software Updates Wizard summary

- 10. On the Summary page, accept the settings, and click Next to deploy the software updates or click Save as Template. If you need to change the settings, click Previous to change one or more of the following settings, such as: Scheduling, User Experience, Alerts, and Download settings. The Completion page opens.
- 11. On the Summary page, click Next.
- 12. Click Close.

Deploying IBM UXSPI from the SCCM server to the SCCM client

The UXSPi package is the prerequisite to all other IBM updates. It should be deployed to the client system before all of the other IBM updates. If the UXSPi package is upgraded and any updates are published to the Windows Server Update Services (WSUS) server, the newer UXSPi package replaces the old UXSPi package (if any) on the System Center Configuration Manager (SCCM) server. The following scenarios explain different situations for deploying the package when it is upgraded to a newer UXSPi version.

Deploying IBM UXSPi from the SCCM server to the SCCM client when the prior UXSPi version was not deployed

The following procedure describes how to deploy the UXSPi package from the System Center Configuration Manager (SCCM) server to the SCCM client when the prior UXSPi package was not deployed.

About this task

This task is performed from the Configuration Manager Console.

Procedure

- Click Start > All Programs > Microsoft System Center 2012 > Configuration Manager > Configuration Manager Console to launch the Configuration Manager Console.
- 2. In the UXSPI machine folder, right-click UXSPI and select Deploy.
- **3.** Finish deploying the UXSPi package by following steps 4 through 13 in "Deploying the IBM SEP from the SCCM server to the SCCM client" on page 90.

Deploying IBM UXSPI from the SCCM server to the SCCM client when the prior UXSPI is deployed

The following describe the three methods for deploying the IBM UXSPi package from the System Center Configuration Manager (SCCM) server to the SCCM client if the UXSPI is upgraded and the prior UXSPI package is deployed.

Method 1: Deploying an IBM UXSPI package from the SCCM server to the SCCM client

Method 1 deletes the old UXSPi deployment advertisement and deployment package and then creates a new UXSPi deployment package. The following procedure describes how to deploy UXSPi package from System Center Configuration Manager (SCCM) server to the SCCM client.

About this task

This task is performed from the Configuration Manager Console.

Procedure

- Click Start > All Programs > Microsoft System Center 2012 > Configuration Manager > Configuration Manager Console to launch the Configuration Manager Console.
- 2. In the navigation pane, expand **Software Library** > **Overview** > **Deployment Packages**. The Deployment Packages page opens.

Sand Chan Maran Array	Dreate Pre Kefresh Delete Package	stage Cor	tent File	Distribute Content Dist Deploy	Update ribution Points	Set Security Scopes Classify	Properties Properties		
← → • ☑ \ • Software Library	 Over 	iev >	Software	Updates + Dep	koyment Package	5			- 2
ioftware Library • • # Overview	Deploy Search		skages 2	items				X 5 Seech	Add Onteria •
P G Application Management Software Updates	lcon	Name SEP -	1853	•	Package ID 88A00005	1			
All Software Updates Software Update Groups Deployment Packages Automatic Deployment Rules Operating Systems	ā	UKSPI	Sh Sh	ow Hemilees nage Access Acco late Prestage Cont fresh lete tribute Content date Distribution P t Security Scopes poerties	ert File F	S			
Assets and Compliance		pI-9.2		ger van	Diete	bution Point S	Table 1	Related Objects	
Software Library Monitoring Administration	Par So	ige Propi kage ID: noe Date t Refresh	e	88A00000 6/5/2012 11:12 AM 6/5/2012 11:12 AM	·		Success: 0 In Progress: 1 Failed 0 Unknown: 0 Update: 6/5/2012 1	Content Status	

Figure 93. Deleting the old UXSPi advertisement

- **3**. In the results pane, right-click the old UXSPi deployment package and select **Delete**.
- 4. Right-click the UXSPi package to be deployed and select **Deploy**. This action is displayed in the following figure.

	[7917]IBM F	Flex System FC3172 2-port 8Gb FC Multiboot Updat	e Package - 2.26af
it Rules	[7917]IBM τ	uEFI Flash Update - 1.00	
	[7918]Emuk	c FC STOR Device Drivers for Windows 2008 FLEX ex iSCSI Device Driver for Windows 2008 - 4.0.317. iGb 2500 Series SAS Expander Card - 60BG	
	UXSPI - 9.20 UXSPI - 9.20 UXSPI - 9.20 Detail Severity: Bulletin ID: Article ID: Date Released:	 Download Create Software Update Group Edit Membership Review License Deploy Move Properties 5/10/2012 10:09 AM 	Statistics

Figure 94. Deploying the UXSPi software package

5. Complete steps 4 to 12 as described in "Deploying the IBM SEP from the SCCM server to the SCCM client" on page 90.

Method 2: Deploying a new IBM UXSPI package to coexist with the old UXSPI package

Method 2 deploys the new UXSPi package without deleting the existing UXSPi package. The following procedure describes how to deploy a new IBM UXSPi package to coexist with an old UXSPi package.

About this task

This task is performed from the Configuration Manager Console.

Procedure

- Click Start > All Programs > Microsoft System Center 2012 > Configuration Manager > Configuration Manager Console to launch the Configuration Manager Console.
- In the navigation pane, expand Software Library > Overview > Deployment Packages. The Deployment Packages page opens.
- **3.** Right-click the UXSPi to be deployed and select **Deploy**. This action is displayed in the following figure.

	[7917]IBM	Flex System FC3172 2-port 8Gb FC Multiboot Upda	te Package - 2.26af
it Rules	[7917]IBM	uEFI Flash Update - 1.00	
	[7918]Emul	ic FC STOR Device Drivers for Windows 2008 FLEX ex iSCSI Device Driver for Windows 2008 - 4.0.317 6Gb 2500 Series SAS Expander Card - 60BG	
	UXSPI - 9.2 UXSPI - 9.20 Detail Severity: Bulletin ID: Article ID: Date Released:	Image: Complexity of the sector of the se	Statistics

Figure 95. Deploying the UXSPi software package

4. Complete steps 4 to 12 in the "Deploying the IBM SEP from the SCCM server to the SCCM client" on page 90 section.

Method 3: Adding a new IBM UXSPI package to an existing UXSPI deployment package

Method 3 adds a new UXSPi package to an existing UXSPi deployment package. The following procedure describes how to add the new IBM UXSPi package.

About this task

This task is performed from the Configuration Manager Console.

Procedure

- Click Start > All Programs > Microsoft System Center 2012 > Configuration Manager > Configuration Manager Console to launch the Configuration Manager Console.
- 2. In the navigation pane, expand **Software Library** > **Overview** > **Deployment Packages**.
- **3**. In the results pane, right-click the UXSPi package to be deployed and select **Deploy**. This action is displayed in the following figure.

	[7917]IBM	Flex Sy	stem FC3172 2-port 8Gb FC Multiboot Up	date Package - 2.26af
it Rules	[7917]IBM	uEFI F	lash Update - 1.00	
	[7917]Qlogi	ic FC S	TOR Device Drivers for Windows 2008 FL	EX Systems - 9.1.9.48
	[7918]Emul	ex iSC	SI Device Driver for Windows 2008 - 4.0.3	17.0 - Release 3.0.1 -
	[7918]IBM	6Gb 25	500 Series SAS Expander Card - 60BG	
	UXSPI - 9.2	۹		
			Download	
		51	Create Software Update Group	
	•	1	Edit Membership	
	UXSPI - 9.20	172	Review License	
	Detail	•	Deploy	Statistics
	Severity:	6	Move	
	Bulletin ID: Article ID:		Properties	
	Date Released:		5/10/2012 10:09 AM	

Figure 96. Selecting an existing UXSPi deployment package

The General page opens.

- 4. Enter the following information for this deployment.
 - a. Name: Enter a unique name
 - b. **Description**: Enter a detailed description that will help you to identify the software update deployment.

neral ployment Settings reduling	Specify general information for this of	leployment			
er Experience	Deployment Name: IBM UXSPI - 2012-06	-05 11:23:56 AM			
rts	Description:				
wnload Settings			*		
mmary					
gress			<u>×</u>		
Completion	The following software updates or software update g	roups are included in this deploym	ient.		
	Software Update/Software UXSPI - 9.20	Select a Template			
	Update Group: JUASH1-5.20	Available templates (1):	Rename Delete		
	Select a previously saved deployment template the wizard, you have the option to save the current cc	Faer	\$		
		Name Date Modi			
	Select Deployment Template	UXSPI920	6/5/2012 11:22:32		
	Deploy this software update deployment to the folk Collection:				
	_		OK Cancel		

Figure 97. Software updates using Template

- 5. Click Select Deployment Template. The Select a Template window opens.
- 6. Either select a template from the list, or search for a template by entering its name in the Filter field, then click **OK**.
- 7. Click Next. The Summary page opens.

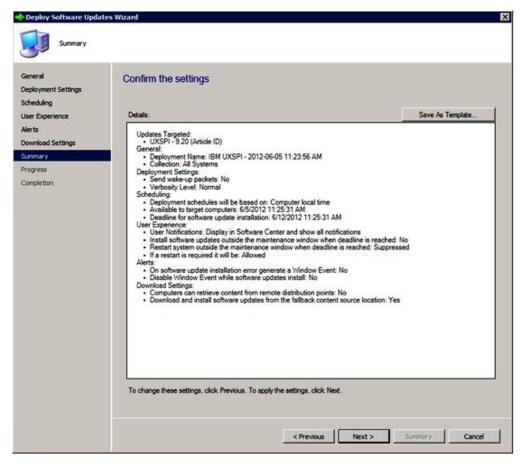


Figure 98. Summary page

8. Click **Next** to use the current template settings or click **Previous** to modify the settings. For more information about this step, see "Deploying IBM UXSPI from the SCCM server to the SCCM client" on page 96.

Deploying IBM updates from the SCCM server to the SCCM client

The following procedure describes how to deploy IBM updates from the Configuration Manager (SCCM) server to the SCCM client.

About this task

This task is performed from the Configuration Manager Console.

Procedure

- Click Start > All Programs > Microsoft System Center 2012 > Configuration Manager > Configuration Manager Console to launch the Configuration Manager Console.
- 2. In the navigation pane, expand **Software Library** > **Overview** > **Deployment Packages**.
- **3**. In the results pane, right-click to select the updates for deployment and select **Deploy Software Updates**. This action is displayed in the following figure.

	Search	5				\times	D Search
	Icon	Title		*	Required	Installed	Percent Co
	-	[2583]IBM System Enablement Pack -	1.01		0	0	0
	1	[7912]Emulex UCNA Phase 2.3 NIC De	vice	Driver and Software for windows 2003/2008	0	0	0
	-	[7917]Emulex iSCSI Device Driver for 1	Wind	ows 2008 - 4.1.334.0 - Release 4.0.1 - 4.1.334	0	0	0
	•	[7917]IBM Flex System FC3172 2-port	8Gb	FC Multiboot Update Package - 2.26af.flex	0	0	0
es	-	[7917]IBM uEFI Flash Update - 1.00		1	0	0	0
	-	The second s	-	Download	0	0	0
	1	[7918]Emulex iSCSI Device Driver for	-	Create Software Update Group 7	0	0	0
	1	[7918]IBM 6Gb 2500 Series SAS Expa	1	Edit Membership	0	0	0
	1	UXSPI - 9.20		Review License	0	0	0
			٠	Deploy			
	-	т	8	Move			
	[79	17]IBM uEFI Flash Update - 1		Properties			
	Deta	đ		Statistics			

Figure 99. Deploying IBM updates from the SCCM server to the SCCM client

4. Complete steps 4 to 12 as described in "Deploying the IBM SEP from the SCCM server to the SCCM client" on page 90.

Chapter 5. Supported hardware and software

The topics in this section describe the hardware and software that is supported by IBM System Updates for Microsoft System Center Configuration Manager, v5.0.

Supported Microsoft System Center products

The IBM System Updates for Microsoft System Center Configuration Manager, v5.0 Solution supports the following Microsoft System Center products:

- Microsoft System Center Configuration Manager 2012
- Microsoft System Center Configuration Manager 2012 R2
- Microsoft System Center Configuration Manager 2012 SP1
- Microsoft System Center Configuration Manager 2007 R2
- Microsoft System Center Configuration Manager 2007 SP2
- Supported client systems

IBM System Updates supports the following client systems.

Supported systems

Table 2. Supported Systems

Product family name	Machine type
IBM BladeCenter HS20	1883, 8843
IBM BladeCenter HS21	1885, 8853
IBM BladeCenter HS22	7870, 1936, 1911
IBM BladeCenter HS22V	1949, 7871
IBM BladeCenter HS23	7875, 1929
IBM BladeCenter HS23E	8038, 8039
IBM BladeCenter HX5	1909, 1910, 7872, 7873
IBM BladeCenter LS21	7971
IBM BladeCenter LS22	7901
IBM BladeCenter LS42	7902
IBM Flex System x220 Compute Node	7906, 2585
IBM Flex System x222 Compute Node	7916
IBM Flex System x240 Compute Node	8737, 8738, 7863
IBM Flex System x440 Compute Node	7917
IBM NeXtScale Node	5455
IBM Smart Analytics System	7949
IBM System x3100 M4	2582
IBM System x3200 M2	4367, 4368
IBM System x3200 M3	7327, 7328
IBM System x3250 M2	7657

Table 2. Supported Systems (continued)

Product family name	Machine type
IBM System x3250 M3	4251, 4252, 4261
IBM System x3250 M4	2583
IBM System x3250 M5	5458
IBM System x3300 M4	7382
IBM System x3400 M2	7836, 7837
IBM System x3400 M3	7378, 7379
IBM System x3500	7977
IBM System x3500 M2	7839
IBM System x3500 M3	7380
IBM System x3500 M4	7383
IBM System x3530 M4	7160
IBM System x3550	7978, 1913
IBM System x3550 M2	4198, 7946
IBM System x3550 M3	4254, 7944
IBM System x3550 M4	7914
IBM System x3620 M3	7376
IBM System x3630 M3	7377
IBM System x3630 M4	7158
IBM System x3650	7979, 1914
IBM System x3650 M2	7947, 4199
IBM System x3650 M3	4255, 5454, 7945
IBM System x3650 M4	7915
IBM System x3650 M4 HD	5460
IBM System x3690 X5	7147, 7148, 7149, 7192,
IBM System x3750 M4	8752
IBM System x3755	7163
IBM System x3755 M3	7164
IBM System x3850	8864, 7365, 7362
IBM System x3850 M2	7141, 7144, 7233, 7234
IBM System x3850 X5/x3950 X5	7145, 7146, 7191, 7143
IBM System x3850 X6	3837
IBM System x3950 M2	7141, 7144, 7233, 7234
IBM System x3950 M2 Dual node	7141, 7233, 7234
IBM System x3950 M2 3-4 node	7141, 7233, 7234
IBM System x3950 X5	7145, 7146
IBM System x iDataPlex dx360 M4	7912, 7913

Supported operating systems for client machines

The following Windows operating systems are supported on client machines:

- Windows 2012 R2
- Windows Server 2012 SP1
- Windows Server 2008 SP1/R2
- Windows Server 2008 SP1/SP2
- Windows Server 2008 SP1/SP2 x64
- Windows Server 2003 SP2/R2
- Windows Server 2003 SP2/R2 x64

Required software on server machines

Microsoft .NET Framework 4.0 is required software on server machines.

Required software on client machines

Microsoft .NET Framework 2.0 is required software for client machines.

Appendix A. Troubleshooting

The topics in this section will assist you with troubleshooting.

How to configure the SUAP log

You can change the value of the log level for the IBM System Updates Acquisition and Publishing Tool on both the IBM System Updates Acquisition and Publishing Tool host machine and System Center Configuration Manager (SCCM) client machines.

The IBM System Updates Acquisition and Publishing Tool uses the following registry key to record the log level:

- [HKEY_LOCAL_MACHINE\SOFTWARE\IBM\Systems Management Integrations\Log]
- LogLevel=Info

The available "LogLevel" values are: Debug, Info, Warn, Error, and Fatal.

By default, the "Info" level is used.

Download Updates from the IBM website failed

This topic provides a possible solution for troubleshooting how download updates may have failed.

Issue Download failed

Possible Solution

Check to see if the IBM System Updates Acquisition and Publishing tool can connect to the IBM update repository server using a web browser and connect to: Fix Central.

If you were unable to connect to the IBM update repository, the following error is displayed.

SMS Trac	e - (C:\Program Files)	IBM\IBM System	Updates\Log\2011-6-7_15'58'57.log]	_ 🗆 🗙
Ble Ico	ls <u>W</u> indow <u>H</u> elp			X
📽 📃 🖨	9 9b 94 11 🖂			
Log Text				
Error: Uxspi erro	or: Unable to connect to the	IBM update repositor	(§.e. FSP server)	
				-
Date/Time:	6/8/2011 8:56:49 PM	Component:	Acquisition	
Thread:	6 (0x6)	Source:	unknown file:0	
Error: Uxspi er	rror: Unable to connect to t	he IBM update reposit	ory (i.e. FSP server)	*
				<u>×</u>
Bapsed time is	Oh 45m 26s 891ms (2726	.891 seconds)		1

Figure 100. Unable to connect to the IBM update repository error

Tip: For more information, see the SUAP log files located at: %SystemDrive%\ Program Files\IBM\IBM System Updates\Log.

Updates fail to publish from the IBM System Updates Acquisition and Publishing Tool to Windows Server Update Services

Issue Updates fail to publish from the IBM System Updates Acquisition and Publishing Tool to Windows Server Update Services.

Possible Solution

Check the SUAP log file located at: %SystemDrive%\Program Files\IBM\IBM System Updates\Log to determine what occurred.

Updates fail to publish from the IBM System Updates Acquisition and Publishing Tool to Windows Server Update Services due to a verification of the file signature failed error

Issue The IBM System Updates Acquisition and Publishing Tool failed to publish updates to Windows Server Update Services due to a verification of file signature failed error.

og Text or GudUpder ror Publish upc	B # ■			
tor: GuidUpdate tor: Publish upc	ALT and one out the found 1			
tor: Publish upo	ALT seel one not be found! It			
		low try to create a new		1
	date to WSUS failed System ish UXSP://www.utl.uvap.c?/www.		tion: Verification of file signature failed for file: \\192.168.30.91\UpdateSer	2
			windows_32-64, machine type:7870	I
				1
				1
ate/Time:	6/8/2011 8:56:49 PM	Component:	Publish	

Figure 101. Failure to verify the file signature

Possible solution

Ensure that the WSUS Publishers Self-signed Certificate was copied to the Trusted Root Certification Authorities as outlined in the Setup Wizard section.

Updates fail due to the Secure Sockets Layer connection failing

Issue While using Secure Sockets Layer (SSL) to publish updates from an IBM System Updates Acquisition and Publishing Tool computer to a Windows Server Update Services (WSUS) server, an error message is displayed as shown in the following figure.

NSUS Server		IF
	ill be used for publishing. Administrative rights are required on the WSUS server es.	
C Connect to a local upd	ate server.	
Connect to a remote up		
Use Sect Test con	Test connection failed! Error message: Failed connecting to WSUS server at 9.123.251.180 ! [80	
	OK Connection	

Figure 102. Connection to WSUS server failure message

Possible Solution

Either configure the SSL as described in "Setup Wizard" on page 14, or publish without using the SSL feature.

Changing the log level value in the registry does not take effect while the IBM System Updates Acquisition and Publishing Tool is running

Issue If the log level value is changed while IBM System Updates Acquisition and Publishing Tool is running, the new value does not take effect immediately.

Possible Solution

Close the IBM System Updates Acquisition and Publishing Tool, and launch it again for the changes to take effect.

Updates do not deploy from the Microsoft System Center Configuration Manager server to the Microsoft System Center Configuration Manager client

Issue Updates do not deploy from the System Center Configuration Manager (SCCM) server to the SCCM Client.

Possible Solution

Perform these steps:

- 1. Extend the Windows Update Error level in the registry.
- 2. Add the following values to the registry key:
 - a. Value name: Flags
 - Value type: **REG_DWORD**
 - Value data: 00000007
 - b. Value name: Level
 - Value type: **REG_DWORD**
 - Value data: 00000004
- 3. Check the %systemroot%\Windowsupdate.log file to get detailed information about the failure.

This registry key turns on extended tracing to the %systemroot%\ Windowsupdate.log file.

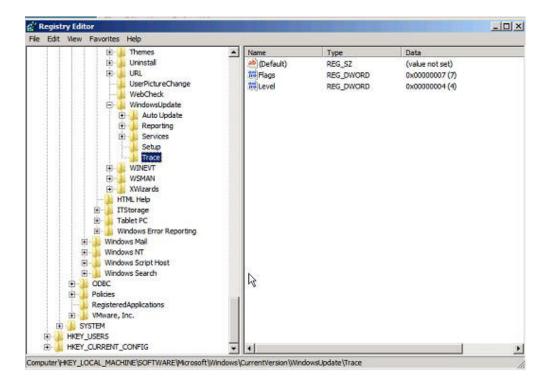


Figure 103. Changing the trace registry key

Updates do not deploy to the Microsoft System Center Configuration Manager client due to a firewall restriction

Issue Updates do not deploy to the SCCM client due to a firewall restriction.

Possible Solution

Open the corresponding port in Windows firewall for the SCCM relative URL.

Update does not install on a client machine

Use this topic for troubleshooting why an update fails to install on a client machine. If the operating system on the client system is Windows 2008, check the update history to get more information.

About this task

The result.txt log file is generated by UXSPi, and contains detailed information about the update process. If an update does not install on a client system, you can view details about the incompleted installation in the result.txt:C:\ibm_support\SUAP\%update_id%\result.txt.

Procedure

- 1. Click Start > Windows Update > View update history.
- 2. Open **update history view**.

2 View update history			_10	10
🔄 🕞 🕼 • Control Panel • Windows Update • View update history	👻 💶 Search			
Review your update history				
Make sure all important updates have been successfully installed. To remove an update,	go to Installed Updates.			
Troubleshoot problems with installing updates				
	Status	Type	Date Installed	
Troubleshoot problems with installing updates Name *		Type Important	Date Installed	
Troubleshoot problems with installing updates Name	Status	and the second se		
Troubleshoot problems with installing updates Name	Status Successful	Important	5/9/2010	_
Troubleshoot problems with installing updates	Status Successful Successful	Important Important	5/9/2010 5/21/2010	-

Figure 104. Viewing update history on client system

- 3. 3. Right-click Update and select View Detail. The details contain an error code.
- 4. Locate the explanation for the error code in the following table.

Table 3. Error codes

Return Code for Hex	Return Code for Decimal	Explanation
0	0	Success (individual update or UXSP).
0xB	11	The individual update is not applicable to this system configuration. For example, the required hardware is not present on the system.

Table 3. Error codes (continued)

Return Code for Hex	Return Code for Decimal	Explanation
0xC	12	No updates are selected to be installed. For example, the individual update is older than the installed version in the target system.
0xD	13	Prerequisites for this individual update are not met. For example, the required software might not be installed or the hardware might not be configured correctly.
0xE	14	The individual update fails for other reason.
0x18	24	The UXSP fails on target machine. Such as, some updates does not install for other reasons.

Updates for QLogic may be not installed by default

Use this topic for troubleshooting why updates for QLogic that may not be installed by default.

Issue Updates for QLogic may be not installed by default even if the update version is newer than the installed version.

Possible Solution

Using the Publish Wizard on the Confirm Updates Packages page, you can select the **Also select Host Bus Adapters (HBA) and Coverged Network Adapter (CNA)** checkbox or you can try to install the update manually.

licet and confirm that the following updates			
lote: SEP packages will be automatically ad	Contraction and all of	and a second	
Nany	Version	Size(03)	
Online Broadcon NetXtrene and Net	2.1.6	9446	brcm_fw_nic_2.1.6z1-test_windows_3
Online Broadcon NetXtrene and Net		9761	brem_fw_nic_2.1.7s_windows_32-64
QLogic 10 Gb CHA Adapter FW Updat	1.01.94	3427	qlgc_fw_nic_gle8142-1.01.94_window
✓ System Enablement Pack ✓ System Enablement Pack	3.01 3.01	5622 6670	<pre>ibm_utl_tsep_3.01_windows_i385 ibm_utl_tsep_3.01_windows_x86=64</pre>
Select this option only if you have an unknow	Coverged N	letwork Adap pic HBA's an	oter(CNA) d CNA's will not be updated.
f this option is not selected, Brocade, Emule		n vour atora	
	atibility wit	n your stora	

Figure 105. Publish Wizard Confirm Updates Packages

Some updates may require restarting the client server to complete the installation

Use this topic for troubleshooting why some updates may require restarting the client server to complete the installation.

Issue If the IBM UpdateXpress System Pack Installer installation fails for any reason, the installation window will display the message: "Failed results". Some of the updates may have been installed already and require restarting the client server for the update installation to be complete.

Possible Solution

You can review the up_result.xml file to see if the client server needs to be restarted.

Windows Updates notification is slow to appear on the Microsoft System Center Configuration Manager client

If Windows Updates notification is slow to become visible in the SCCM client, you can modify Configuration Manager properties to speed the process.

Issue: The Windows Updates notification page is slow to appear on the SCCM client.

Possible Solution:

Perform these steps:

1. Open the Control Panel. There should be several SCCM Agent components.



Figure 106. SCCM Agents in Control Panel

Note: On a Windows 64-bit platform, the components above are located in the Control Panel within the folder **View 32bit Control Panel Items.**

- 2. Click **Configuration Manager**. The Configuration Manager Properties window opens.
- **3**. On the **Actions** tab, select and initiate an action for the following components respectively:
 - Software Update Deployment Evaluation Cycle
 - Software Update Scan Cycle User
 - Policy Retrieval & Evaluation Cycle

'ou can initiate acti urrently installed or		he Configurati	on Manager co	omponents
ctions:				1
Branch Distribution	200003 32 20	nce Task		
Discovery Data Co	1.1			
File Collection Cyc Hardware Invento				
Machine Policy Re		ion Cycle		
Software Inventory				
Software Metering	Usage Report C	ycle		
Software Updates	Deployment Eva	luation Cycle		
Software Updates	Scan Cycle			
User Policy Retriev				
Windows Installer	Source List Upda	ste Cycle		
				22
			Initiate A	ction

Figure 107. Initiating Configuration Manager properties

Unable to install IBM Updates on SCCM client

If you are unable to install IBM Updates on SCCM client, you may need to install .NET Framework 2.0 or later on the SCCM client.

Issue: IBM Updates cannot install on the SCCM client.

Possible Solution:

IBM Updates require that .NET Framework 2.0 or later be installed on the SCCM client system. Ensure that it is installed on the SCCM client system.

Unable to expire updates from the IBM System Updates Acquisition and Publishing Tool

Use this topic to troubleshoot why updates from the IBM System Updates Acquisition and Publishing Tool cannot be expired.

Issue: Updates do not indicate they are "expired" on the SCCM console after they have been expired and published through the IBM System Updates Acquisition and Publishing Tool.

Possible Solution:

Ensure that the SCCM server synchronization settings are configured correctly. For more detailed information, see TechNet: Planning for the Software Update Point Settings.

A sequence package does not install on the client system

Use this topic for troubleshooting why a sequence pack does not install on the client system.

Issue A sequence package may not install on the client, even though the Windows update history shows the installation was successful.

Possible Solution

Make sure the updates that are wrapped in a sequence are applicable on the target system. Check the result in the log file located under: C:\ibm_support\SUAP\%update_id%\result.txt for detailed information.

Appendix B. Accessibility features

Accessibility features help users who have a physical disability, such as restricted mobility or limited vision, to use information technology products successfully.

IBM strives to provide products with usable access for everyone, regardless of age or ability.

IBM System Updates for Microsoft System Center Configuration Manager, v5.0 supports the accessibility features of the system-management software in which they are integrated. Refer to your system-management software documentation for specific information about accessibility features and keyboard navigation.

Tip: The IBM System Updates topic collection and its related publications are accessibility-enabled for the IBM Home Page Reader. You can operate all features using the keyboard instead of the mouse.

You can view the publications for IBM System Updates for Microsoft System Center Configuration Manager, v5.0 in Adobe Portable Document Format (PDF) using the Adobe Acrobat Reader. You can access the PDFs from the IBM System Updates for Microsoft System Center Configuration Manager, v5.0 download site.

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Important notes

View important assumptions about terminology and claims.

Processor speed indicates the internal clock speed of the microprocessor; other factors also affect application performance.

CD or DVD drive speed is the variable read rate. Actual speeds vary and are often less than the possible maximum.

When referring to processor storage, real and virtual storage, or channel volume, KB stands for 1024 bytes, MB stands for 1•048•576 bytes, and GB stands for 1•073•741•824 bytes.

When referring to hard disk drive capacity or communications volume, MB stands for 1•000•000 bytes, and GB stands for 1•000•000 bytes. Total user-accessible capacity can vary depending on operating environments.

Maximum internal hard disk drive capacities assume the replacement of any standard hard disk drives and population of all hard disk drive bays with the largest currently supported drives that are available from IBM.

Maximum memory might require replacement of the standard memory with an optional memory module.

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