lenovo

Lenovo System Updates for Microsoft System Center Configuration Manager User's Guide

Version 5.6

lenovo

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Version 5.6

Note

Before using this information and the product it supports, read the information in "Notices" on page 119.

Edition notice

This edition applies to Lenovo[®] System Updates for Microsoft System Center Configuration Manager, v5.6 and to all subsequent releases and modifications until otherwise indicated in new editions.

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Tables

- 1. Frequently used terms and acronyms ix

About this publication

This User's Guide provides the latest information for Lenovo System Updates for Microsoft System Center Configuration Manager 2007. The Lenovo System Updates tool is used to acquire and publish Lenovo 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	Dynamic System Analysis [™]
SCCM	System Center Configuration Manager
SEP	System Enablement Pack [™]
SSL	Secure Sockets Layer
SUAP	System Updates Acquisition and Publishing Tool
UXSP	UpdateXpress System Pack [™]
UXSPI	UpdateXpress System Pack Installer
WSUS	Windows Server Update Services

Table 1. Frequently used terms and acronyms

Information resources

You can find additional information about Lenovo System Updates for Microsoft System Center Configuration Manager, v5.6 in the product documentation and on the World Wide Web.

PDF files

You have the option to 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 the PDF files. You can download a copy from the Adobe Reader website.

Viewing and printing PDF files

You can view or print any of the respective PDF files located on the web. Click the following link to locate the individual product pages for each publication: Lenovo System x Integration Offerings for Microsoft Systems Management Solutions. The most current version of each document is available on the product download page.

- Lenovo System Updates for Microsoft System Center Configuration Manager, v5.6 Release Notes[®]
- Lenovo System Updates for Microsoft System Center Configuration Manager, v5.6 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 websites provide resources for understanding, using, and troubleshooting System x° , BladeCenter[®] servers, and systems-management tools.

Lenovo System x integration offerings for Microsoft systems management solutions website

This website provides an overview of Lenovo System x Upward Integration for Microsoft System Center and current product offerings available for download:

Lenovo System x Integration Offerings for Microsoft Systems Management Solutions

Technical support portal

This website can assist you in locating support for Lenovo hardware and software:

IBM Support Portal

IBM Systems Director downloads website

This website provides an overview and current product releases available for downloading IBM Systems Director systems-management software:

IBM Systems Director Downloads

Systems management solutions for System x website

This website provides an overview of systems management software using IBM Systems Director and links to additional information:

IBM Systems Director systems management solutions for System x

IBM[®] ServerProven[®] websites

The following websites provide an overview of hardware compatibility with Lenovo System x, xSeries[®] servers, Lenovo BladeCenter, and IBM IntelliStation[®] hardware.

- This website provides a general overview of hardware, applications, and middleware: IBM ServerProven: Compatibility for hardware, applications, and middleware
- System x and xSeries hardware: IBM ServerProven: Compatability for System x hardware, applications, and middleware
- BladeCenter hardware: IBM ServerProven: Compatibility for BladeCenter products

Microsoft System Center Configuration Manager 2007 website

This website provides an overview of Microsoft System Center Configuration Manager 2007 and links to additional information:

TechNet Library: Configuration Manager 2007

Chapter 1. Lenovo System Updates for Microsoft System Center Configuration Manager, v5.6

The topics in this section provide an overview of Lenovo System Updates for Microsoft System Center Configuration Manager, v5.6 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 2007 (SCCM) and Windows Server Update Services (WSUS), Lenovo System Updates for Microsoft System Center Configuration Manager, v5.6 is making a commitment to reducing the time and effort of keeping an up-to-date IT environment.

New in this release

Lenovo System Updates for Microsoft System Center Configuration Manager, v5.6 adds the following hardware support:

- Lenovo Flex System x240 M5 Compute Node, 2591, 9532
- Lenovo Flex System x440 Compute Node, 7167, 2590
- Lenovo NeXtScale[®] nx360 M5, 5465
- Lenovo NeXtScale nx360 M5 DWC, 5467, 5468, 5469
- Lenovo System x3550 M5, 5463
- Lenovo System x3650 M5, 5462

Trial license support

When you are installing the product for the first time, if a product license is not activated, a trial license is automatically activated. After the trial license has been activated, a 90-day trial period begins. During the trial period, all of the premium features are enabled.

Important: Before allowing the trial license to become activated, you need to verify that your system time is correct.

In the last five days of the trial period, the trial license software provides 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 the product license. After the product license is activated, manually restart the component to enable the premium features.

You can obtain a product license from: Passport Advantage and Passport Advantage Express.

Free features

This release has all of the free features and functions from previous versions and includes the following new and improved free features and enhancements.

Using 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 Lenovo website.
- Install updates for special or undetected hardware, which 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 Lenovo System Updates installation is registered with the Lenovo System x Upward Integration for Microsoft System Center, v3.1 or later. You can purchase an activation license by contacting either your Lenovo representative or a Lenovo Business Partner.

You can also obtain a product license from Passport Advantage and Passport Advantage Express 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 for v3.1 or later on a per managed endpoint basis.

- Check the Lenovo website for the latest updates for a supported machine type.
- Obtain detailed information about available updates on the Lenovo website that includes general, installation, and platform information.
- Obtain detailed information about Windows Server Update Services (WSUS) updates that includes general and specific packaging information.
- Export updates to a CSV or a TXT file using the Generate Updates Comparison Report function.
- Remotely view a journal of update deployments for endpoints using the Lenovo System Updates tool.
- Install updates as a downgrade when applicable. Expire all published updates with the same update name.

How System Updates provides system support

Lenovo System Updates for Microsoft System Center Configuration Manager, v5.6 provides a machine-type based download mechanism that enables you to download the most recent Lenovo system updates software transparently, without the effort of searching for updates through the Lenovo website.

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

Lenovo System Enablement Pack

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

A new system requires that you have an SEP to support its software tools. You can use the Lenovo System Updates tool to download and deploy SEP packages and download the latest version of UXSPI to support your server from the Lenovo website.

Note: 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 Lenovo System Updates.

Hardware requirements

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

Supported operating systems

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

- Windows Server 2012
- Windows 2012 R2
- 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, Windows Server Update Services 3.0 SP1 or later version of the Administration Console must be installed prior to running the Updates Publisher Setup.

If the Windows Server Update Services (WSUS) version is an earlier version than 4.0, a WSUS patch is required and can be downloaded from the Microsoft Support: An update for Windows Server Update Services 3.0 Service Pack 2 is available web page.

Prerequisite:

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

Chapter 2. Lenovo System Updates installation

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

Installing the Lenovo System Updates tool

The following procedure describes how to install the Lenovo System Updates tool.

About this task

There are two methods for installing Lenovo System Updates for Microsoft System Center Configuration Manager, v5.6.

- The first method uses the Lenovo System Updates for Microsoft System Center Configuration Manager, v5.6 setup package (EXE file).
- The second method uses the Lenovo Upward Integration for Microsoft System Center Installer.

For more information about the Lenovo Upward Integration for Microsoft System Center Installer refer to Lenovo System x Integration Offerings for Microsoft Systems Management Solutions.

Procedure

- 1. Go to the Lenovo 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 Lenovo 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:

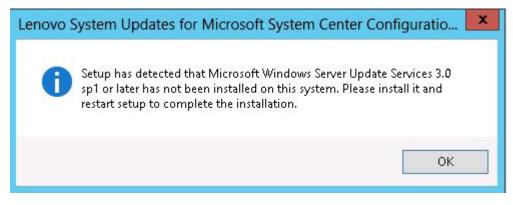


Figure 1. WSUS 3.0 sp1 or later is not installed message

3. Click **OK** to stop the program and finish the installation. While the program installs, the Preparing to Install page for the Lenovo System Updates tool opens.

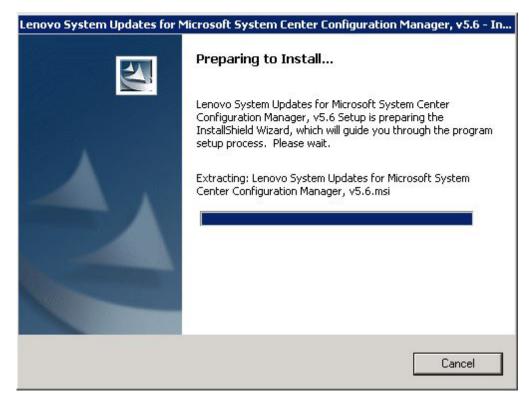


Figure 2. Preparing to Install Lenovo System Updates

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



Figure 3. InstallShield Wizard Welcome page for Lenovo System Updates

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

🖥 Lenovo System U	pdates for Micro	soft System Cent	ter Configuration	Mana 🔳 🔲 🗙
Software License Agr Please read the fo	eement Iowing license agree	ement carefully.		
International Licen	se Agreement fo	or Evaluation of F	Programs	
Part 1 - General T	erms			
BY DOWNLOADII AN "ACCEPT" BU LICENSEE AGRE ACCEPTING THE REPRESENT ANI	TTON, OR OTH ES TO THE TEP SE TERMS ON	ERWISE USING RMS OF THIS AI BEHALF OF LIC	THE PROGRAM GREEMENT. IF ENSEE, YOU	M, YOU ARE
	Rea	d Non-Lenovo Term:	s	
 I accept both the L I do not accept the nstall5hield 	enovo and the non terms in the license			
	Print	< Back	Next >	Cancel

Figure 4. Software License agreement

- 6. 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 step 7, which provides instructions for the Trial Version page.

rial Version		r Configuration	
License not detected			
License is not found on this serv	er.The trial period of this p	roduct lasts for 9	90 days.
Contact Lenovo			
Contact Lenovo			

Figure 5. Trial Version page

• If a product license was activated, the Destination Folder page opens. Complete step 8, which provides instructions for the Destination Folder page.

	ion Folder xt to install to this folder, or click Change to install to a different folder.
Ø	Install Lenovo System Updates for Microsoft System Center Configuration Manager, v5.6 to:
	C:\Program Files (x86)\Lenovo\Lenovo System Updates\Change
allShield -	

Figure 6. Destination Folder

- 7. Optional: On the Trial Version page, select one of the following options:
 - Click Contact Lenovo.
 - Click **Next** to proceed to the Destination Folder page.
- 8. 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.

🙀 Lenovo System Updates for Micros	oft System Center	Configuration Ma	anager, v 🔀
Ready to Install the Program The wizard is ready to begin installation	ē.	0	
Click Install to begin the installation.			
If you want to review or change any of exit the wizard.	your installation setti	ngs, click Back. Clicł	Cancel to
InstallShield	< Back	Install	Cancel

Figure 7. Ready to Install the Program

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

👘 Lenovo S	System Updates for Micros	soft System Cent	er Configuration	Mana 💶 🔲 🗙
Configura	J Lenovo System Updates ation Manager, v5.6 gram features you selected are		stem Center	
	Please wait while the Install for Microsoft System Center several minutes. Status:			
InstallShield -				
		< <u>B</u> ack	Next >	Cancel

Figure 8. Installation progress

Note: During the installation, a command prompt window opens and provides the status of the file extraction. If any errors occur during the installation, they are displayed in the window. It may take several minutes for the installation to finish. Do not close the command prompt window.



Figure 9. Extraction of Installation files

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



Figure 10. InstallShield Wizard Completed

- 10. Select one of the following options:
 - Click **Finish** to finish the installation operation.
 - Select the Launch the Post Action of Lenovo System Updates for Microsoft System Center Configuration Manager 2007, v5.6 check box to start the Setup wizard for Lenovo System Updates tool.

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

Uninstalling the Lenovo System Updates tool

There are four methods for uninstalling the Lenovo System Updates for Microsoft System Center Configuration Manager, v5.6 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 Lenovo System Updates for Microsoft System Center Configuration Manager, v5.6 Installer (EXE) file.
- Select the Remove option using Lenovo 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 Lenovo System Updates and Microsoft System Center Configuration Manager 2007

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

System Updates Acquisition and Publishing Tool, Version 5.6

System Updates Acquisition and Publishing Tool is the core component in Lenovo System Updates for Microsoft System Center Configuration Manager, v5.6. This tool provides the functions to acquire updates from the Lenovo website and publish the updates to the Windows Server Update Services server.

Lenovo System Updates for Microsoft System Center Configuration Manager, v5.6 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 Lenovo System Updates.

🚍 Lenovo System Updates		_ 🗆 ×
File Edit View Action Help		
Home All Updates All Updates All Updates Mic BladoCenter HS22 (7870) All Updates Mic Maximum State Mic Machines	Lenovo System Updates Lenovo System Updates helps you maintain the latest updates from Lenovo on your WSUS server. With Lenovo System Updates, you can obtain Lenovo updates from the Lenovo public web site or import updates that were previously downloaded, or both, and publish them to the Windows Server update Services (WSUS) of your choice.	
	Setup Wizard guides you through the steps to complete the configuration setting for Lenovo System Updates.	ard
	Getting Stated To start updating your system, add your machine types to the "My Machines" page. The list of machines that you crea serves as the global list of machines that work with this tool. Go to "My Machine	
	To get the latest UXSPI tool and supported machine type list, click "UXSPI Upgrade".	

Figure 11. Home view

Setup Wizard

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

Getting Started

Use the Getting Started option to update your system by creating a machine types list to work with the Lenovo System Updates tool.

UXSPI Upgrade

Use the UXSPI Upgrade option to get the latest version of the UXSPI tool and the supported machine type list.

Setup Wizard

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

When you finish 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:

- Lenovo SUAP tool Menu > Edit > Preferences.
- · Setup Wizard.

Configuring a Windows Server Update Services server:

The following procedure describes how to configure the Windows Server Update Services (WSUS) server. The WSUS server is used for publishing. Administrative privileges are required to successfully publish updates.

Procedure

1. Select one of the following WSUS server options:

SUS Server	leno
ter the WSUS server that will be used for ccessfully publish updates.	publishing. Administrative rights are required on the WSUS server to
Connect to a local update server	
Connect to a remote update service	ver.
🗖 Use Secure Sockets Layer (S	SL) when communicating with the update server.
Use Secure Sockets Layer (S	SL) when communicating with the update server. Port:
	Port.
	Port.
	Port.

Figure 12. System Updates Setup Wizard for the WSUS server

- To use the same server for WSUS that Lenovo System Updates is installed on, click **Connect to a locate update server**.
- To publish the updates to the WSUS server through the network, click **Connect to a remote update server** and 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 the 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 a Windows Server Update Services server (Optional)."

2. Click Next to proceed with WSUS configuration.

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

The Lenovo 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 Lenovo 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 "Using SSL with WSUS" in the Windows Server Update Services help document. Also refer to "Secure Sockets Layer" 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 Lenovo System Updates computer. Import the SSL certificate to the following locations:
 - Trusted Publishers
 - Trusted Root Certification Authorities
- 2. To enable **SSL support for this WSUS server** using the Lenovo SUAP Tool Publish Wizard, complete the following steps:
 - 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 2007:
 - For Microsoft System Center Configuration Manager 2007, launch the SCCM console, and select Site Management > %Site Name% > Site Settings > Component Configuration.

standard here and	ang garang sa sa ma	
Active software update Active software update	an and a second second second	
Use Network Load Balan		huare undate noint
ecify the port settings use	d by this WSUS Server:	
Port number:	80	*
SSL Port number:	443	
Enable SSL for this W	SUS server	
hen SSL is enabled, ensur		vers are configured and
	rtificates.	
at 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.

guages	In In In		
erai Sync Settings C	Jassfications Products Syr	nc Schedule Supersedence Rules	4
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		
	Balancing cluster for active sof	tware update point	
ients will communicate	with the software update point	using the following port settings	
Port number:	80	<u>+</u>	
SSL port number:	443	<u></u>	
Allow intranet-only c	lient connections		
Allow both intranet a	ind internet client connections		
Enable SSL con	nmunications for the WSUS Se	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 Update Services server certificate:

The topics in this section describe 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. Select one of the following options to select or create a certificate:
 - Click Browse to navigate to and select a third-party certificate.
 - Click **Create** to generate a new, self-signed certificate.

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

📻 Lenovo System Updates Setup Wizard	×
WSUS Server Certificate	lenovo
Click "Browse" to navigate to and select a third-party signing certificate. Or click " self-signed certificate on WSUS. You can leave the File text box blank if you click	
File:	
	Create Browse
Certificate Info	
Certificate issuer: CN=WSUS Publishers Self-signed	
Expiration date: 5/18/2024 9:57:15 AM	
< Back	lext > Finish Cancel

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 Lenovo updates can be published to the SCCM server. The certificate must also be copied to the Lenovo System Updates computer to ensure that the update server has the same certificate.

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

Note: The Lenovo 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 and WSUS, and then click Certificates.

Console Root	Issued To +	Issued By	Actions
Certificates (Local Computer)	🖏 WSUS Publishers Self-signed	WSUS Publishers Self-signed	Certificates
Trusted Root Certification A Enterprise Trust Intermediate Certification A Trusted Root Certification A Trusted Publishers Trusted People Federation Remote Desktap Certificate Roots SMS WSUS Certificates			More Actions

Figure 16. Console 1 - WSUS Certificates

- 11. In the middle pane, right-click the **certificate name**, select **All Tasks**, and then click **Export**. The Certificate Export Wizard starts.
- 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** and 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 and signing certificates:

The following procedure describes how to configure and sign certificates.

About this task

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

- Using Group Policy and the Certificate Import Wizard: Perform the steps described in "Adding certificates" on page 22.
- Using the certificate utility and software distribution: Perform the steps in the following procedure.

Procedure

- To open the Microsoft Management Console (MMC), click Start > Run, enter MMC in the text box, and then click OK.
- 2. Click File, and select Add/Remove Snap-in. The Add/Remove Snap-in 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**.
- In the results pane, right-click certificate, select All Tasks, and then select Export. To create an export certificate file with the name and location specified in the Certificate Export Wizard, use the default settings.

- 11. Select one of the following methods 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:
 - 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 the Windows Update Agent to scan for the updates that were created and published with Updates Publisher. For more information, see TechNet Library: Windows Update Agent

Configuring outbound connectivity:

The following procedure 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 set up an HTTP Proxy for Lenovo System Updates for access 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 Lenovo 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:

Lenovo System Updates Setup Wizard	×
Outbound Connectivity	lenovo
If using an HTTP Proxy to connect to the Internet, enter that information here.	
Outbound Connectivity	
• The local machine can access the Internet directly.	
$^{\rm C}$ If you are using an HTML proxy to connect to the Internet, enter that information.	
C The local machine does not have access to the Internet.	
< Back Next > Fini	ish Cancel

Figure 17. Outbound Connectivity

utbound Connectivity		lenovo
using an HTTP Proxy to connect to th	e Internet, enter that information here.	
Outbound Connectivity		
C The local machine can acce	ess the Internet directly.	
• If you are using an HTML pro	oxy to connect to the Internet, enter that information.	
Host:	Port:	
Authenticate using the f	ollowing credentials:	
User name:	Password:	
		onnection
User name:		onnection
User name:	Test C	onnection
User name:	Test C	onnection

Figure 18. HTTP Proxy

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

- Host
- Port
- 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:

The following procedure describes how to configure the local repository for updates.

Procedure

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

enovo System Updates Setup Wizard	d	Þ
ocal Repository		lenovo
fhen updates are downloaded from the Le	novo web site, they are placed in the local repository.	
Current folder:		
C:\Program Files (x86)\Lenovo\Leno	ovo System Updates\Repository	
		Browse
Available drive space:		
2.58 GB		
	< Back Next > Finish	Cancel

Figure 19. Local Repository

2. Click Next. The Confirm Setup page opens.

enovo System Updates Setup Wi	zard	Þ
onfirm Setup		lenovo
onfirm your previous settings.		
Confirm the following setup choic	res:	
Parameter	Value	Т
WSUS server location:	local update server	
WSUS server certification:	Self-signed certificate	
Outbound connectivity:	access directly	
Local repository:	C:\Program Files (x86)\Lenovo\Lenovo System Updates	
1		
		×
	< Back Confirm Finish	Cancel

Figure 20. Confirm Setup

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

Lenovo System Updates Setup Wizard	>
Setup Finished	lenovo
All the needed information has been saved.	
Setup has successfully completed. Click "Finish" to exit the wizard.	
< Back Next	Finish Cancel
S Back Next	- Fillisti Cancel

Figure 21. Setup Finished

4. Click Finish to complete the Setup Wizard.

Viewing machine types

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

About this task

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

- In the Home View, click Go to My Machines .
- In the navigation pane, click **My Machines** view. 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 Lenovo System x and Blade servers without having to upgrade the System Updates Acquisition and Publishing Tool tool. This function is bundled with the Lenovo System Enablement Pack. The **UXSPI Upgrade** option gets the latest UXSPI tool, the latest supported server list, and Lenovo System Enablement Packs necessary to support the new servers from the Lenovo website.

About this task

The UXSPI Upgrade option requires an internet connection.

Procedure

- 1. Select one of the following options for upgrading UXSPI:
 - In the Home View, click **UXSPI Upgrade**.
 - From the Lenovo System Updates Acquisition and Publishing Tools list, 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: 10.0		
Supported Machine Types:		
Product Family	Machine Type	
BladeCenter HS22 (1911)	1911	
BladeCenter HS22 (1936)	1936	
BladeCenter HS22 (7809)	7809	
BladeCenter HS22 (7870)	7870	
BladeCenter HS22V (1949)	1949	
BladeCenter HS22V (7871)	7871	
BladeCenter HS23E (8038)	8038	
BladeCenter HS23E (8039)	8039	_
pgrade UXSPI and check the latest m To get the latest UXSPI or latest supp Lenovo web site.		

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 late	est machine list
Upgrading UXSPI	
	UXSPI Upgrade
OK	Abort

Figure 23. Upgrade UXSPI tool progress window

Note: The UXSPI upgrade operation 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 Lenovo System x servers will include the latest available servers on the Lenovo 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, 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. If there are any updates, this information is displayed in the right pane. If there are no updates, the following message is displayed:

There is no update for this machine.

You can check updates from Lenovo 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.

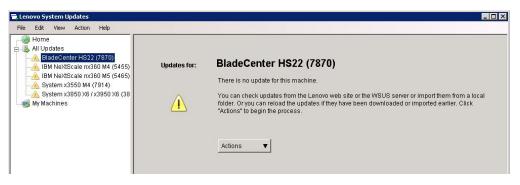


Figure 24. All Updates view with an example of no updates

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

● Home ▲ All Updates → BladeCenter HS22 (7870) → BladeCenter HS22 (7870) → IBM NeXIScale nx360 M4 (5455) → IBM NeXIScale nx360 M5 (5465) → System x3100 M4 (2582)	System x3100 M4	(2582)		
<u>A</u> System x3550 M4 (7914)	Name		Category	Manufa 🔺
A System x3850 X6 / x3950 X6 (3837)	IBM Dynamic Sys	stem Analysis (DSA)	N/A	N/A
🐳 My Machines	Integrated Manager	gement Module 2 (IMM2) Update	N/A	N/A -
	IBM System x uE	FI x3100 M4 / x3250 M4	N/A	N/A
	BIOS/FW/UEFI U	pdate for ServeRAID H1110 SAS/SATA Controller for IBM System x	N/A	N/A
	Brocade 16Gb, 1	0Gb and 8Gb Windows FC/NIC Device Drivers for IBM Systems	N/A	N/A
	Intel-based Giga	bit and 10 Gigabit Ethernet Drivers for Windows	N/A	N/A
	NVIDIA Device D	river for Windows Server 2012, 2008 R2, and 2008 64bit	N/A	N/A
	IBM Dynamic Sys	stem Analysis	N/A	N/A
	MegaRAID Stora	ge Manager	N/A	N/A
	IBM Online SAS/	SATA Hard Disk Drive Update Program	N/A	N/A
	Intel-based Gida	bit and 10 Gioabit Ethernet Windows Drivers for JinShan and JinMen Only.	N/A	N/A 💌
	Date the WS			
	Property Name	Value		

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 Lenovo website and server
 - · Tabs that contain more specific information about the update
- 5. Optional: If you downloaded updates from the Lenovo website or imported the updates to the same repository path before, you can reload them into the System Updates Acquisition and Publishing Tool by clicking **Actions** and then selecting **Reload local updates**.

Importing updates by using the Import Wizard

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

Before you begin

It is important to note the following information concerning updates:

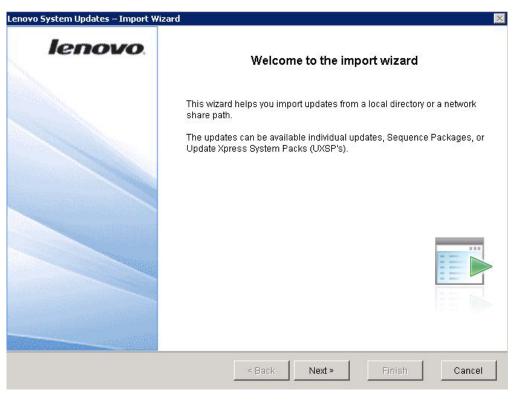
- If the update package was downloaded from the Lenovo website in a ZIP file, extract the update package files first. The System Updates Acquisition and Publishing Tool requires that the contents of ZIP files are extracted.
- Each update contains two files: a binary file (EXE) and a metadata file (XML).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

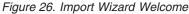
About this task

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

Procedure

1. 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.





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

Lenovo System Updates – Import Wizard	× • • • • • • • • • • • • • • • • • • •
Select Updates Source	lenovo
Import updates from a local directory or a network share path.	
Updates source folder:	
\\9.115.252.16\uim\VMware\FVMuxsp	Browse
Note: Some machines rely on the System Enable the updates. If the target machine requires a SEP, selected folder first.	
< Bat	ack Next > Finish Cancel

Figure 27. Select Updates Source

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

Note: The 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.

Lenovo System Updates – Import Wizard

Select Updates

lenovo

Select the updates that you want to import. Select "Select All" to select all the available updates.

Name	Category	Version	Machine Type
🗖 🗔 brcd_dd_cna_3.2.0.0_windows_32-64	Converged Ne	3.2.0.0	2582
🗖 🗔 brcd_dd_cna_3.2.4.0_windows_32-64	Converged Ne	3.2.4.0	2582
🗖 🗔 brcd_fw_cna_10g-2.3.0.0_windows_32-64	Fibre	2.3.0.0	2582
🗖 🗔 brcd_fw_cna_2.3.0.3_windows_32-64	Converged Ne	2.3.0.3	2582
🗖 🗔 brcd_fw_cna_3.1.0.1.b_windows_32-64	Converged Ne	3.1.0.1.b	2582
🗖 🗔 brcd_fw_cna_3.1.0.1_windows_32-64	Converged Ne	3.1.0.1	2582
🗖 🗔 brcd_fw_cna_3.2.4.0.b_windows_32-64	Converged Ne	3.2.4.0.b	2582
🗖 🗔 brcm_dd_nic_15.6.0.10_windows_32-64	Network	15.6.0.10	2582
🗖 🗔 brcm_dd_nic_16.4.0.2_windows_32-64	Network	16.4.0.2	2582
🗖 🖼 brcm_dd_nic_7.10.6.0_windows_32-64	Network	7.10.6.0	2582
🗖 🗔 brcm_dd_nic_7.2.8.0_win2k8_32-64	Network	7.2.8.0	2582
🗖 🗔 brcm_dd_nic_7.4.23.0e_windows_32-64	Network	7.4.23.0e	2582
🗖 🗔 brcm_fw_nic_2.1.8d_windows_32-64	Network	2.1.8d	2582
🗖 🗔 brcm_fw_nic_2.1.9a_windows_32-64	Network	2.1.9a	2582
🗖 🧮 harar 40 als 2.24 - las udadenas 22.04	K1-4	0.04-1	2002
Select All			
	< Back N	lext >	Finish Cancel

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 Lenovo System Updates Local Repository. The Importing Updates page shows the progress of the import operation.

porting updates can take several minutes. Click "Next" to	view the import surr	mary and result.		
alla,				
SF				
roclessing				
Update ID	Version	Machine Type	Status	
vind_dd_cna_3.2.0.0_windows_32-64	3.2.0.0	2582	Success	
🔽 brcd_dd_cna_3.2.4.0_windows_32-64	3.2.4.0	2582	Success	
🗹 brcd_fw_cna_10g-2.3.0.0_windows_32-64	2.3.0.0	2582	Success	
🗹 brcd_fw_cna_2.3.0.3_windows_32-64	2.3.0.3	2582	Success	
🔽 brcd_fw_cna_3.1.0.1.b_windows_32-64	3.1.0.1.b	2582	Success	
🔽 brcd_fw_cna_3.1.0.1_windows_32-64	3.1.0.1	2582	Success	
🔽 brcd_fw_cna_3.2.4.0.b_windows_32-64	3.2.4.0.b	2582	Success	
🗹 brcm_dd_nic_15.6.0.10_windows_32-64	15.6.0.10	2582	Success	
vindows_32-64 brcm_dd_nic_16.4.0.2_windows_32-64	16.4.0.2	2582	Success	
brcm_dd_nic_7.10.6.0_windows_32-64	7.10.6.0	2582	Success	
🔳 brcm_dd_nic_7.2.8.0_win2k8_32-64	7.2.8.0	2582	Not Started	
brom dd nic 74230e windows 32-64	7 4 23 Ne	2582	Not Started	-
Cancel				

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.

novo System Updates – Import Wizard	×
mport Finished	lenovo
Import succeed. 85 of 85 updates have been imported. Please view the imported updates below:	
brcd_dd_cna_3.2.0.0_windows_32-64 brcd_dd_cna_3.2.4.0_windows_32-64 brcd_fw_cna_10g-2.3.0.0_windows_32-64 brcd_fw_cna_2.3.0.3_windows_32-64 brcd_fw_cna_3.1.0.1.b_windows_32-64 brcd_fw_cna_3.1.0.1_windows_32-64 brcd_fw_cna_3.2.4.0.b_windows_32-64 brcm_dd_nic_15.6.0.10_windows_32-64 brcm_dd_nic_16.4.0.2_windows_32-64 brcm_dd_nic_7.1.0.6.0_windows_32-64 brcm_dd_nic_7.2.8.0_win2ks_32-64 brcm_dd_nic_7.4.23.0e_windows_32-64	
< Back Next >	Finish Cancel

Figure 30. Import Finished

6. Click Finish.

Checking all updates from the Lenovo website

The following procedure describes how to check all of the updates for a specific machine type from the Lenovo 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 Lenovo website:

- To use the Check all updates from Lenovo site option, complete step 1.
- To use the Check selected updates from Lenovo option, complete step 2.

Procedure

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

lenovo
[2582] from the Lenovo web
utes. Please wait…
ncel

Figure 31. Check all updates from the Lenovo website

This process may take several minutes to finish.

After the Check Updates process has finished, the version in the **Update on Lenovo Web Site** tab is updated and the detailed information about the update is provided. If the version in the Update on Lenovo Web Site tab is later than the version in the local repository, there will be a blue icon beside the update name and a warning message indicating the earlier version.

Jpdate in Local Repository		
/ersion: 4.7.16.0907		
	web site was last successfully checked: 09/22/2014.	
Date the WSUS	server was last successfully checked: N/A.	
General Installation Infor	mation Applicable Platforms Revision History Read Me File	
Property Name	Value	
Name	Qlogic Network (NIC) Device Drivers for Windows 2008/2008R2	
Description	Qlogic Network (NIC) Device Drivers for Windows 2008/2008R2	
Category	Network	
Update ID	qlgc_dd_cna_4.7.16.0907_win2k8_32-64	
Manufacturer	IBM	
Update Selection	never	
Corequisite Update(s)	N/A	
Prerequisite Update(s)	N/A	
Superseded 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)

	.ogic 10GbE PCI Ethernet I Local Repository	NDIS Miniport Driver fo	r Windows		
Version:	1.0.1.20 Date the Lenovo web sit Date the WSUS server w			014.	
General	Installation Information	Applicable Platforms	Revision History	Read Me File	
Windo Windo	ation Operating Systems: ws 2008 ws 2012 ws 2012 R2				

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 Lenovo website

This topic describes how to download the latest version of selected updates from the Lenovo website. Only the updates that completed a verification check from the Lenovo website, which are 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 UXSPI package has an integration-tested 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 hotfixes, if available, than the UXSP option.

Procedure

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

Using the Download Wizard:

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

Procedure

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

ownloading Updates	inutes. Click "Next" to view the download	summary and re	esult.
) ownloading individual update: qlgc_	_fw_fc_26xx-3.20.06.b_windows_32-	64 from the Le	novo web site.
Name	Update ID	Size(KB)	Status 🔺
🔷 Brocade 16Gb, 10Gb and 8Gb	brcd_dd_cna_3.2.4.0_windows	463603	Acquiring
Emulex NIC Device Driver for	elx_dd_nic_ibm14a-10.2.261.11	20454	Success
Online Broadcom NetXtreme a	brcm_fw_nic_2.1.9a_windows	17601	Acquiring
Online Broadcom NetXtreme a	brcm_fw_nic_2.1.8d_windows	17170	Acquiring
🔷 QLogic 16Gb Fibre Channel A	qlgc_fw_fc_26xx-3.20.06.b_wind	14980	Acquiring
🔳 Qlogic Update for 8G FC - Mult	qlgc_fw_fc_8g-mb3.10.08_wind	13803	Not Started 🦳
QLogic 10 Gb Converged Net	qlgc_fw_cna_qle8142-2.02.05	13414	Not Started
🔳 QLogic FC 4Gb Multiboot Upd	qlgc_fw_fc_4g-mb2.50.05-sysx	12990	Not Started
🔳 Broadcom NetXtreme Device	brcm_dd_nic_16.4.0.2_windows	11838	Not Started
Emulex OCe11xxx UCNA Firm	elx_fw_cna_ibm14a-oc11-10.2.2	8711	Not Started
IBM HBA/LSI 6 and 12Gb SAS/	ibm_dd_mpt2sas_2.00.69.01_w	7814	Not Started
📕 Emulex HBA (I Pe1600x) Firm	elx_fw_fc_ibm14a-10.2.261.36-1	5470	🔳 📃 hetrat2 to N
Cancel			

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 a WSUS server

The following procedure 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 selected updates and publishing them to WSUS, you need to prepare the publishing environment. For more information see "Using the Secure Sockets Layer for a Windows Server Update Services server (Optional)" on page 17.

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 Lenovo website can be selected to download.

Procedure

- 1. Select an individual update or press Ctrl and Shift to select multiple updates.
- 2. From the Actions list, select Download Selected updates from the Lenovo website . The Download and Publish Wizard opens.

Using the Download and Publish Wizard:

You can use the Download and Publish Wizard to download and publish selected updates to Windows Server Update Services (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.

icense Agreement				lenov
ead the following agreement carefully.				
If you accept, click "I accept the terms in the license click "Cancel" to exit the wizard.	e agreement". Th	en click "Next" to	o continue. If you	i do not accept,
The drivers and updates downloaded by the S License Agreement for Non-Warranted Progr	· · · · · · · · · · · · · · · · · · ·	일양 동안 영상 승규는 것이 없다.		
Tool. Please click below to indicate your a different license terms may govern the usage o retrieve such license terms by running the drive download wizard.	icceptance of t of a specific driv	his license a er or update,	greement. Ad	lditional or you can

Figure 35. Publish Wizard License Agreement

2. Click Next to start downloading updates.

The downloading updates operation may take several minutes to finish.

ownloading Updates			lenov
ownloading updates may take several mir	nutes. Click "Next" to publish updates.		
Si)			
) ownloading individual update: ibm	fw_hdd_sas-1.14.03-2_windows_32	2-64 in UXSP fr	om the Lenovo web site.
Name	Update ID	Size(KB)	Status
 QLogic 10 Gb CNA NIC Driver Intel Chipset Software Installat QLogic FC 4Gb Multiboot Upd Qlogic Update for 8G FC - Mult Mellanox WinOF update for Wi Mellanox WinOF update for Wi IBM UpdateXpress System Pack 	intel_dd_inteldp_9.2.0.1019_win qlgc_fw_fc_4g-mb2.50.05-sysx qlgc_fw_fc_8g-mb3.10.08_wind mlnx_fw_nic_4.55.9096p4_win2 mlnx_fw_nic_4.40.16385p5_win	697 2971 12990 13803 62659 67152 1810029	Already Exist Success Success Success Already Exist Already Exist Acquiring
Cancel			
	< Back Ne	xt >	Finish Cancel

Figure 36. Downloading Updates

When the downloading of updates is finished, the download status is displayed on the summary page.

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

Version 1.0.1.3 9.2.0.1 4g.mb 8g.mb 4.55.9	Size(KB) 697 2971 12990 13803 62659	Update ID qlgc_dd_nic_qlge-1.0.1.3_w intel_dd_inteldp_9.2.0.1019 qlgc_fw_fc_4g-mb2.50.05-s qlgc_fw_fc_8g-mb3.10.08	
9.2.0.1 4g.mb 8g.mb 4.55.9	2971 12990 13803	intel_dd_inteldp_9.2.0.1019 qlgc_fw_fc_4g-mb2.50.05-s qlgc_fw_fc_8g-mb3.10.08	
4g.mb 8g.mb 4.55.9	12990 13803	qlgc_fw_fc_4g-mb2.50.05-s qlgc_fw_fc_8g-mb3.10.08	
- 8g.mb 4.55.9	13803	qlgc_fw_fc_8g-mb3.10.08	
4.55.9			
	62659		
1 10 1		mlnx_fw_nic_4.55.9096p4	
unknown	device in M	/indows and that you want to res	olve.
		동안에 집에 가지 않는 것이 것 같아요. 것이 가지 않는 것이 가지 않는 것이 같아. 것이 같아. 가지 않는 것이 같아.	
de			
	l possibl unknown verged No and QLog compatib le es with th a time us	unknown device in V verged Network Adaj and QLogic HBAs an compatibility with you le es with the same up	I possible hardware in the system. unknown device in Windows and that you want to res verged Network Adapter(CNA) and QLogic HBAs and CNAs will not be updated. compatibility with your storage vendor. le es with the same update name will be expired. a time using the same update name.

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 finish.

8 E					
ublishing update: ibm_utl_u	xsp_jqsp00p-6.60_wi	ndows_32-64 of	machine 258	2 to WSUS serve	ır
Name	Update ID	Version	Size(KB)	Status	
💈 Intel Chipset Software I	intel_dd_inteldp	9.2.0.1019	2971	Published	
🖉 Mellanox WinOF update	mlnx_fw_nic_4.40	4.40.16385p5	67152	Published	
🖉 Mellanox WinOF update	mlnx_fw_nic_4.55	4.55.9096p4	62659	Published	
🛿 Qlogic Network (NIC) D	qlgc_dd_cna_4.7	4.7.16.0907	52307	Published	
🛛 QLogic 10 Gb Converge	qlgc_fw_cna_qle	8142.2.02.06	13384	Published	
🖉 QLogic 10 GbE Conver	qlgc_fw_cna_sys	2.20.07	20851	Published	
IBM UpdateXpress Syst	ibm_utl_uxsp_jqs	6.60	1810029	Publishing	

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.

novo System Updates – Publish Wizard	×
Publishing operation is completed	lenovo
Publishing results	
Publish successfully.	
The UXSPI package is published. Create a UXSPI deployment package before c 7 of 7 update(s) were published to WSUS server successfully.	iepioying updates.
· · · · · · · · · · · · · · · · · · ·	

Figure 39. Publish operation is complete

7. Click Finish.

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 Lenovo updates, verify that the WSUS server and certificate are configured correctly. For more information, see "Configuring a Windows Server Update Services server" 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. See "Setup Wizard" on page 16 for information about configuring the WSUS server.

Using the Publish Wizard:

The following procedure 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.

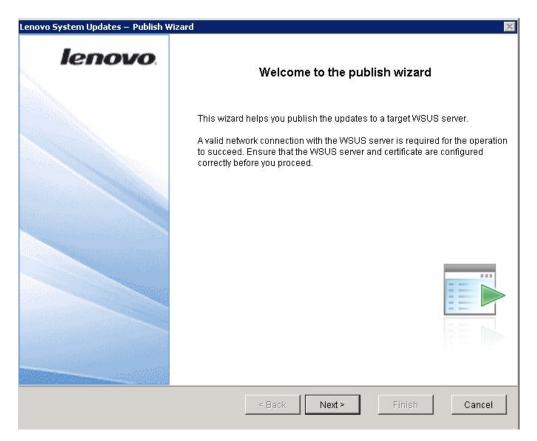


Figure 40. Publish Wizard Welcome

3. Complete the steps in "Using the Download and Publish Wizard" on page 40.

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 the UpdateXpress System Pack 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.

Sequence package information

Create Sequence Package

The sequence wraps the updates in the one package.

The sequence package wraps the updates listed below and deploy to the client machine together. When UXSPI install this package, it will automatically decide the update installation sequence

X

lenovo

Name	Update ID	Version	Size(KB)
🗔 Brocade 16Gb, 10G	brcd_dd_cna_3.2.4.0	3.2.4.0	463603
🗔 Emulex HBA (LPe16	elx_fw_fc_ibm1212-1	1.1.43.3	4933
🕞 IBM HBA/LSI 6 and 1	ibm_dd_mpt2sas_2	2.00.69.01	7814

Please enter the sequence package name and a file name to save the detailed information of this sequence package. The file will be stored under repository.

	27 M	
Save File Name my first sequence	e.xml	
	Confirm	Cance

Figure 41. Create Sequence Package

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

Actio	ins 🔻			
Name		Category	M	
	ServeRAID BR10il SAS/SATA Controller v2 BIOS and Firmware Update	SAS	IB	
	ServeRAID M1000 Series SAS/SATA Controllers Firmware Update	ServeRaid	IB	
	ServeRAID M5000 Series SAS/SATA Controller Firmware	ServeRaid	IB	
	ServeRAID M5000 Series SAS/SATA Controller Firmware	ServeRaid	IB	
	IBM DDS tape drive firmware update	Таре	IB	
	IBM LTO3/4/5 tape drive firmware update	Таре	IB	
	IBM LTO6 tape driver firmware update	Таре	IB	
	IBM RDX drive firmware update	Таре	IB	
	IBM RDX drive firmware update	Таре	IB	
	IBM System x uEFI x3100 M4 / x3250 M4	UEFI	IB	
	IBM System x uEFI x3100 M4 / x3250 M4	UEFI	IB	
	IBM System x uEFI x3100 M4 / x3250 M4	UEFI	IB	
	MegaRAID Storage Manager	Utility	IB	
	UpdateXpress System Pack Installer	Utility	IB	
	my first sequence	N/A	N	

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 provides a list of properties for the sequence package.

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

	III F AUK IIISIAIIEI	Ounty	10
my first sequence		N/A	N
1			•
etail: my first sequence			
Jpdate in Local Repositor	()		
/ersion: 1.01.45.16	•		
	web site was last successfully checked: N/A.		
	server was last successfully checked: N/A.		
General Individual Upda	tes Applicable Platforms Revision History Rea	ad Me File	
Property Name	Value		
Name	my first sequence		
Description	This sequence contains 3 updates.		
Category	N/A		
Update ID	sequence_my_first_sequence_2014_09_23_0)1_45_16	
Update ID Manufacturer	sequence_my_first_sequence_2014_09_23_0 N/A)1_45_16	
· · · · · · · · · · · · · · · · · · ·		11_45_16	
Manufacturer	N/A	11_45_16	
Manufacturer Update Selection	N/A N/A	11_45_16	

Figure 43. Sequence update General tab

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

_ 100	first sequence			N/A	NĴ
					Þ
etail: my	first sequence				
pdate in	Local Repository				
'ersion:	1.01.45.16				
	Date the Lenovo we Date the WSUS ser	b site was last success /er was last successfull	sfully checked: N/A. ly checked: N/A.		
			2	21	
	Individual Updates	Applicable Platforms	Revision History Read Me	File	
eneral	Individual Updates	Applicable Platforms	Revision History Read Me	File	
}eneral Name	Individual Updates		Revision History Read Me	; File	
eneral Name brcd_do		ws_32-64	Revision History Read Me	9 File	
General Name brcd_dc elx_fw_1	l_cna_3.2.4.0_windo	ws_32-64 -1_windows_32-64	Revision History Read Me	9 File	

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 to check for updates from the WSUS server:

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

Checking all of the updates from Windows Server Update Services:

This topic describes how to check all of the 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 finish. A progress window is displayed while this operation is being performed.

Checking selected updates from Windows Server Update Services:

The following procedure 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 is displayed. It may take several minutes to finish this operation .

Check WSUS Updates	lenovo
Getting all updates information for machine type [5458] from the 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 and 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 16 for information on configuring the WSUS server.

Important: The expire updates option cannot be reverted.

Procedure

1. Select one or multiple updates and click OK.

Expire Update(s) on the WSUS Server	×
Select Updates	lenovo
Select the update(s) on the WSUS Server that you wish to expire	-
 Intel(R) VHD Graphics Driver Update for Windows [9.18.10 Matrox Video Driver [2.04.001] Qlogic Network (NIC) Device Drivers for Windows 2008/20 	0.40.000.007

Figure 46. Expire Updates on the WSUS Server

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

		1.0.1			100000000000000000000000000000000000000
lame 🔺	atXtreme II Driver for Windows	Category Network	IBM	Version in Local	Version on WSUS
	(LPe1100x) Firmware Update for Windows - 2.82x6-5.12a15 - Release IBM1212	Fibre	IBM	7.10.6.0.a 2.82x6.13	2.82x6.13
		Fibre	IBM	2.8286.13	2.01a11.11
	mulex HBA (LPe1205/LPe1200x) Firmware Update for Windows - 2.01a11-5.12a15 - Release IBM1212 3M DDS tape drive firmware update		IBM	2.01a11.11	1.1
	AS/SATA Hard Disk Drive Update Program	Tape Hard Disk Drive	IBM	1.14.04.1	1.14.04.1
		IMM2	IBM	4.55	4.55
	nagement Module 2 (IMM2) Update				
	Graphics Driver Update for Windows	Video Network	IBM	9.18.10.3234 18.7	9.18.10.3234_Expired 18.7
	igabit and 10 Gigabit Ethernet Drivers for Windows	Video	IBM	2.04.001	2.04.001 Expired
		Utility	IBM	2.04.001	13.11.01.07
	orage Manager		IBM	13.11.01.07 2.4.1c	13.11.01.07
	com NetXtreme and NetXtreme II Firmware Utility for Windows 2.4.1c Adapter STOR Miniport Device Drivers for Windows	Network	IBM	2.4.1c 2.1.5.38.g	2.9.10
			IBM	_	4.7.16.0907 Expired
Noncon The Provide States	rk (NIC) Device Drivers for Windows 2008/2008R2	Network ServeRaid	IBM	4.7.16.0907	
ServeRAID M	6100 Series SAS/SATA Controller Firmware Update	Selvertaiu	IBIM	23.22.0.0024	23.22.0.0024
etail: Qlogic Netwo Jpdate in Local Rej /ersion: 4.7.16.09 Date the Date the	nrk (NIC) Device Drivers for Windows 2008/2008R2 oository, Update on WSUS Server 07_Espired Lenovo web site was last successfully checked: N/A. WSUS server was last successfully checked: 10/27/2014.	Serverkalu	BM	23.22.0.0024	25.22.0.0024
etail: Qlogic Netwo Jpdate in Local Rej /ersion: 4.7.16.09 Date the	nrk (NIC) Device Drivers for Windows 2008/2008R2 oository, Update on WSUS Server 07_Espired Lenovo web site was last successfully checked: N/A. WSUS server was last successfully checked: 10/27/2014.	Servercalu	IBM	23.22.0.0024	23.22.0.0024
etail: Qlogic Netwo Jpdate in Local Rej /ersion: 4.7.16.09 Date the Date the	nrk (NIC) Device Drivers for Windows 2008/2008R2 oository, Update on WSUS Server 07_Espired Lenovo web site was last successfully checked: N/A. WSUS server was last successfully checked: 10/27/2014.	Servercalu	IBM	23.22.0.0024	23.22.0.0024
etail: Qlogic Netwo Jpdate in Local Rej /ersion: 4.7.16.09 Date the Date the General Package	nrk (NIC) Device Drivers for Windows 2008/2008R2 oository Update on WSUS Server 07_Espired Lenovo web site was last successfully checked: NJA. WSUS server was last successfully checked: 10/27/2014. on WSUS		IBM	23.22.0.0024	23.22.0.0024
etail: Qlogic Netwo Jpdate in Local Rej /ersion: 4.7.16.09 Date the Date the General Package Property Name	ork (NIC) Device Drivers for Windows 2008/2008R2 sository Update on WSUS Server 107_Expired Lenovo web site was last successfully checked: N/A. WSUS server was last successfully checked: 10/27/2014. on WSUS Value	Serven au	ISM	23.22.0.0024	23/20/00/4
etail: Glogic Netwo Jpdate in Local Rey /ersion: 4.7.16.00 Date the General Package Property Name Title	ork (NIC) Device Drivers for Windows 2008/2008R2 operating 'Update on WSUS Server 07_Expired Lenvor web site was last successfully checked: N/A. WSUS server was last successfully checked: 10/27/2014. on WSUS Value [5458]Qlogic Network (NIC) Device Drivers for Windows 2008/	Cerven au	ISM	23.22.0.0024	23.22.0.0024
etall: Ologic Networ Jodate in Local Rej Version: 4.7.16.00 Date the Date the General Package Property Name Title Description	ork (NIC) Device Drivers for Windows 2008/2008R2 absitory Update on WSUS Server 07_Espired Lenovo web site was last successfully checked: NIA. WSUS server was last successfully checked: 10/27/2014. on WSUS Value Value Id458/0logic Network (NIC) Device Drivers for Windows 2008/ Ologic Network (NIC) Device Drivers for Windows 2008/	Cerverxalu		23.22.0.0024	23/20/00/4

Figure 47. Expire updates detail view

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

Expiring selected updates to Windows Server Update Services 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 is displayed.

icense Agreement	lenou
ead the following agreement carefully.	
If you accept, click "I accept the terms in the lice click "Cancel" to exit the wizard.	ense agreement". Then click "Next" to continue. If you do not accept,
License Agreement for Non-Warranted P Tool. Please click below to indicate yo	the System Updates Tool are subject to the International Programs, which appears in License folder of System Updates ur acceptance of this license agreement. Additional or ge of a specific driver or update, in which case, you can
	drivers or updates from the folder that you 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.

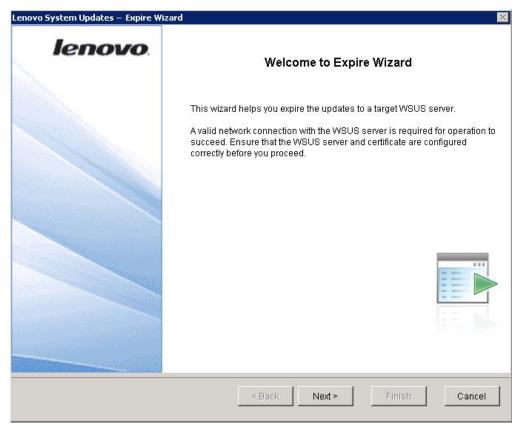


Figure 49. Expire Wizard Welcome

4. Click Next. The Expire Wizard Confirm Update Packages page is displayed.

ovo System Updates – Expire Wizard				
onfirm Updates Packages				lenovo
elect and confirm that the following updates will be	expired to the	ne VVSUS sei	ver.	
Select and confirm to expire the following upd	lates.			
Name	Version	Size(KB)	Update ID	
Emulex HBA (LPe1205/LPe1200x) Fir	2.01a1	3581	elx_fw_fc_ibm1212-2.01a11	
	<	Back	Confirm Finish	Cancel

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 is finished, the expire updates status is displayed.

a ladar a 1 la data a					Іепо
piring Updates					ieno
iring operation may take severa	I minutes. Click "Next" to	view the expire s	summary and res	sult.	
25.					
pire finished.					
Jame	Update ID	Version	Size(KB)	Status	
Emulex HBA (LPe1205/	elx_fw_fc_ibm121	2.01a11.11	3581	Expired	
				-	
Cancel					
		< Back	Next >	Finish	Cancel

Figure 51. Expire operation finishes

6. Click Next.

Lenovo System Updates – Expire Wizard	×
Expire operation is completed	lenovo
Expire results	
Expire successfully.	
1 of 1 update(s) were expired on WSUS server successfully.	
l.	
< Back Next >	Finish

Figure 52. Expire operation results

7. Click Finish to close the Expire Wizard.

Deleting selected updates

You can delete selected updates from the Lenovo Updates repository.

About this task

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

Adding and removing machine types using My Machines view

The **My Machines** view provides a list of machines on your system that can work with the Lenovo System Updates tool. You can use the Lenovo 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 tool is displayed.

🖶 Lenovo System Updates		- 🗆 ×
File Edit View Action Help		
	My Machines Review the following list of managed machines that can work in this system updates tool. The machines that are added to the list are used to determine which updates can be obtained from the Lenovo web site or published to the WSUS server. Click "Add" to add machines or "Remove" to remove machines.	
	Add Remove	
	Product Family Machine Type	
	BladeCenter HS22 7870	_
	IBM NeXtScale nx360 M4 5455	
	System x3100 M4 2582 System x3650 M4 HD 5460	
	x3100 M5 5457	
	x3250 M5 5458	
4		

Figure 53. My Machines view

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

Product 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	<u>·</u>
Check Latest Machines		
pdate retrieval action:		
o not take any action at this time		-

Figure 54. Add new machine types

3. Select one or multiple machines types. While adding new machine types, select an option from the **Update retrieval action** list.

The Update retrieval action has three options:

- Check updates from Lenovo 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 28.

Generating an Updates Comparison Report

You can view updates managed by the 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 System Updates Acquisition and Publishing Tool tool.

Procedure

1. Click Start > Lenovo System Updates Acquisition and Publishing Tool.

2. From the application menu bar, click **Action** and select **Generate Updates Comparison Report** to start the Generate Updates Comparison Report Wizard.

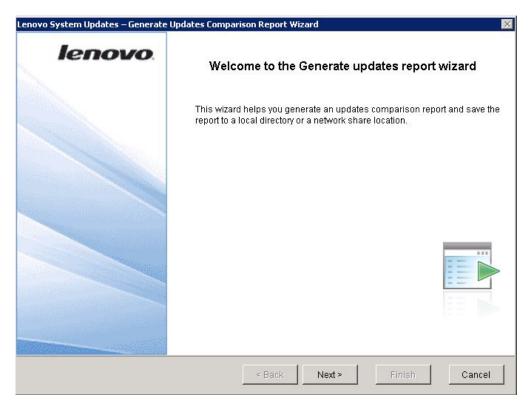


Figure 55. Generate Updates Comparison Report Wizard Welcome page

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

Save	export to			
				Browse
Mack	hine Name	Machine Type	Update Number	
	BladeCenter HS22	7870	0	
	IBM NeXtScale nx360 M4	5455	0	
	System x3100 M4	2582	0	
	System x3650 M4 HD	5460	0	
	x3100 M5	5457	0	
	x3250 M5	5458	14	
0-	-1			
Se	elect All			

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**.

lenovo.	Generate Updates Comparison Report Finished. The updates comparison report was generated successfully to: C:\report.bt

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 a 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

Viewing the results of an updates deployment

The following procedure describes how to generate and view the results of an updates deployment using the view journal of updates function.

Procedure

- 1. Click Start > Lenovo 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 the remote client. The View journal of updates deployment log in page opens.

ent	×
dates deployment	lenovo
stname/IP, user name and password. Then click ult or "Cancel" to exit.	
[1
[l
	j
Connect Cancel	
	dates deployment

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 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 results, click Refresh.
- 6. 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.

Lenovo 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.

Synchronizing the update repository

The following procedure describes how to synchronize the update repository using 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 TechNet Library: Microsoft System Center Configuration Manager 2007.

About this task

This task is performed from the Configuration Manager Console.

Procedure

- Click Start > 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. Right-click Update Repository and click Run Synchronization.

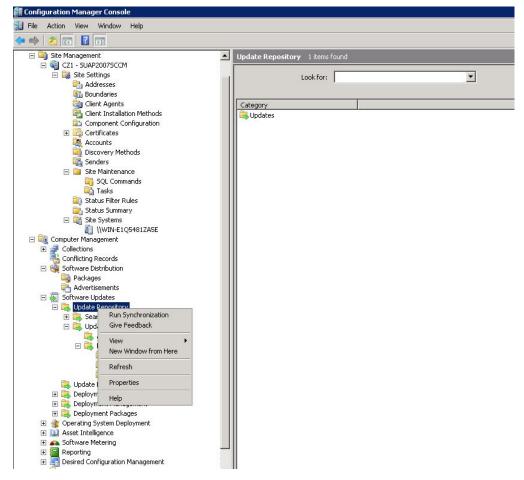


Figure 60. Synchronizing the Update Repository

3. Click **Yes** to initiate a site-wide software update synchronization. The synchronization process may take several minutes to finish.

What to do next

You can view the synchronization log to determine if the synchronization was successful by completing these 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 provides 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 **Lenovo** folder in the **All Updates** folder and click **Refresh**, to refresh the Lenovo folder.

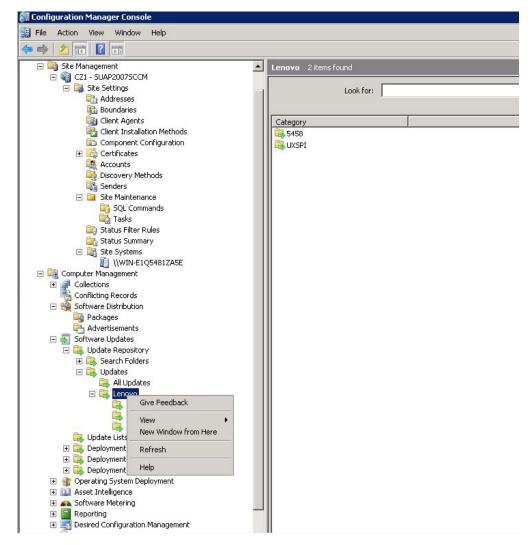


Figure 61. Refreshing the Lenovo folder

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

File Action View Window Help									
an 🔁 🖬 🛛 🖬									
🖃 📬 Site Management	5458 12 ite								
E 🗑 CZ1 - SUAP2007SCCM									
🖃 📑 Site Settings	11	Look f	or:		•	in	All Columns		
Addresses									
Boundaries									
Client Agents	Bulletin ID	Article ID	Title	% Compliant	Installed	Required	Not Required	Unknown	Total
Client Installation Methods			[5458]Qlogic Network (0.00 %	0	0	0	0	0
Component Configuration			[5458]Matrox Video Dri	0.00 %	0	0	0	0	0
🗄 📴 Certificates			[5458]Intel(R) VHD Gra	0.00 %	0	0	0	0	0
Accounts			[5458]Intel-based Giga	0.00 %	0	0	0	0	0
Discovery Methods			[5458]MegaRAID Stora	0.00 %	0	0	0	0	0
🖳 Senders r 🍋 Site Maintenance			[5458]IBM DDS tape dri	0.00 %	0	0	0	0	0
Ste Maintenance			[5458]ServeRAID M510	0.00 %	0	0	0	0	0
			[5458]Integrated Mana	0.00 %	0	0	0	0	0
Tasks			[5458]IBM Online SAS/S	0.00 %	0	0	0	0	0
Status Filter Rules			[5458]Emulex HBA (LPe	0.00 %	0	0	0	0	0
Status Summary			[5458]Emulex HBA (LPe	0.00 %	0	0	0	0	0
⊟ Site Systems INVIN-E1Q5481ZA5E			[5458]Online Broadcom	0.00 %	0	0	0	0	0
Computer Management			fo tooloume producin	0.00 10	м 1	0		S	v
Collections									
Conflicting Records									
E 🍓 Software Distribution									
Packages									
Advertisements									
Software Updates									
Griffield Constraints									
Grade Repository E Search Folders									
E Constant Policers									
All Updates									
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📑 📪 tenovo	Undeke Dek	an la s	nt Status Content Informati	1- 1		1		1	
al opuales	Upuace Deca	IDeployment	nt Status Content Informati	on Superseder	ce Informatio	on Custom I	sundle Informatio	n	
C UXSPI		[CACO]Caudaut	HBA (LPe1100x) Firmware Upo			12-15 Dela			
Contraction Contraction Contraction		[9490]Emulex r	TDA (LPETTOUX) Finilware opt	Jace for windows	- 2.02x0-5.	12815 - Kele	58 IDM1212 - 2.	52X0.15	
Deployment Templates									
	No summ	ary detais are	available.						
Operating System Deployment									
🗄 🛄 Asset Intelligence									
표 🚘 Software Metering									
🕀 🔚 Reporting									

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

Indicates 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

Indicates 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 UXSPI package is a prerequisite to all other Lenovo updates. It should be deployed to a client system before all of the other Lenovo updates. If the UXSPI package is not deployed on a client system, the other Lenovo updates will be marked as **Not Required** on that client system. If the target machine needs an Lenovo System Enablement Pack (SEP) package, the SEP package should be deployed before the UXSPI package is deployed.

After the UXSPI package has been successfully deployed, if there is one update that has not been deployed on the client system, the compliance result of this update will be marked as **Required**.

Deploying Lenovo updates in Microsoft System Center Configuration Manager

Once you determine which updates need to be distributed, the Lenovo updates are selected and then distributed 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 System Updates Acquisition and Publishing Tool. The topics in this section use the sequence described above to introduce the Lenovo System Updates for Microsoft System Center Configuration Manager, v5.6 solution.

Adding a System Update Point Role

This topic describes the steps for adding a **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 clicking **System Status** > **Site Setup**. If the Site System Status and Component Status for all items are functioning normally, the SCCM server status is displayed as *OK*.

File Action View Window Help							
🔿 🔿 🔽 🖬 🛛 🖬							
📴 Status Summary	Compone	ent Status 42 items fou	ind				
🖃 🏹 Site Systems							
🔛 \\WIN-E1Q5481ZA5E	1	.ook for:	in All Columns	•	Find No	397	Clear
🖃 📴 Computer Management							
Collections		1	1		1	-	1 .
Conflicting Records	Status	Site System	Component	Thread State	Errors	Warnings	
Software Distribution Packages	Ø ОК	WIN-E1Q5481ZA5E	SMS_EXECUTIVE	Started	0	0	1
Advertisements	🥥 ок	WIN-E1Q5481ZA5E	SMS_AI_KB_MANAGER	Started	0	0	0
Advertisements Software Updates	ОК	WIN-E1Q5481ZA5E	SMS_AMT_PROXY_COMPONENT	Started	0	0	0
Software updates E Control and the control of the contro	🥥 ОК	WIN-E1Q5481ZA5E	SMS_CI_ASSIGNMENT_MANAGER	Started	0	0	1
Ges Search Folders	🤍 🖉 ОК	WIN-E1Q5481ZA5E	SMS_CLIENT_CONFIG_MANAGER	Started	0	0	0
E R Updates	🛛 🥝 ОК	WIN-E1Q5481ZA5E	SMS_COLLECTION_EVALUATOR	Started	0	0	1
All Updates	🔤 🛛 🥥 ок	WIN-E1Q5481ZA5E	SM5_COMPONENT_MONITOR	Started	0	0	0
E Ca Lenovo	🥥 ок	WIN-E1Q5481ZA5E	SMS_COMPONENT_STATUS_S	Started	0	0	12
All Updates	🥥 ок	WIN-E1Q5481ZA5E	SMS COURIER SENDER CONF	Started	0	0	0
S458	🖉 ок	WIN-E105481ZA5E	SMS_DATABASE_NOTIFICATIO	Started	0	0	9
Carlos Segur	🖉 ок	WIN-E1Q5481ZA5E	SMS DESPOOLER	Started	0	0	0
CASH1	🖉 ок	WIN-E1Q5481ZA5E	SMS DISCOVERY DATA MANA	Started	0	0	3
Deployment Templates	Ø ОК	WIN-E1Q5481ZA5E	SMS_DISTRIBUTION_MANAGER	Started	ů.	ů.	õ
Ceployment Management	Ø OK	WIN-E1Q5481ZA5E	SMS_HIERARCHY_MANAGER	Started	ů.	ñ	12
Coployment Packages	Ø OK	WIN-E105481ZA5E	SM5_INBOX_MANAGER	Started	0	0	0
	Ø OK	WIN-E1Q5481ZA5E	SMS INBOX MONITOR	Started	0	0	0
Gerdang System Sepoyment	Ø OK		이 이상 한국은 아이에 가슴 국가에 영상한 것을 하는 것이 같아.	Started	0	0	1
Asset intelligence Software Metering	ОК	WIN-E1Q5481ZA5E	SMS_INVENTORY_DATA_LOADER		- 0	0	1
Reporting		WIN-E1Q5481ZA5E	SMS_INVENTORY_PROCESSOR	Started	0		-
Reporting E Desired Configuration Management	Ø ОК	WIN-E1Q5481ZA5E	SMS_LAN_SENDER	Started	0	0	0
Queries	🖉 ок	WIN-E1Q5481ZA5E	SMS_MP_CONTROL_MANAGER	Started	0	0	1
🗄 🔐 Mobile Device Management	🖉 ок	WIN-E1Q5481ZA5E	SMS_MP_FILE_DISPATCH_MAN	Started	0	0	0
Ketwork Access Protection	🖉 ок	WIN-E1Q5481ZA5E	SMS_NETWORK_DISCOVERY	Started	0	0	0
E System Status	ОК	WIN-E1Q5481ZA5E	SMS_OBJECT_REPLICATION_M	Started	0	0	1
Advertisement Status	🖉 ОК	WIN-E1Q5481ZA5E	SMS_OFFER_MANAGER	Started	0	0	0
E III Package Status	🥥 ок	WIN-E1Q5481ZA5E	SMS_OFFER_STATUS_SUMMA	Started	0	0	0
E 🐻 Site Status	🥥 ОК	WIN-E1Q5481ZA5E	SMS_OUTBOX_MONITOR	Started	0	0	0
CZ1 - SUAP2007SCCM	🖉 ок	WIN-E1Q5481ZA5E	SMS_POLICY_PROVIDER	Started	0	0	1
Component Status	🥥 ок	WIN-E1Q5481ZA5E	SMS_REPLICATION_MANAGER	Started	0	0	0
Site System Status	🥥 ок	WIN-E1Q5481ZA5E	SMS_SCHEDULER	Started	0	0	0
Status Message Queries	🖉 ок	WIN-E1Q5481ZA5E	SMS SITE BACKUP	Started	0	0	0
🗊 🗟 Security Rights	🖉 ок	WIN-E105481ZA5E	SMS_SITE_COMPONENT_MAN	Started	0	0	0

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 click New Role. The New Site Role Wizard opens.

Structure too Manager Cassale		X
2 Die Action Verw Window Beis (a. → (2) (3) (2) (3) New Site Role Winawd	×	لد ائ ات
Sontern Center Configurate State Orderatures (211-1- State Orderatures (2	Nage: Example: Server1 VIDE SERVER Example: Server1 Security a hybric cueffied down rome of CODIG for the sets existen on the internet) Example: server1 corp.contrace.com Protein Code: Example: server1 corp.contrace.com [Protein Code: Example: server1 corp.contrace.com	Actives (VIIII-C CATRECISION) I New Poles 2 211 - G Part Peobasi. View - New Window fro P Refract Conformant State P Refract D Refract D Refract
Calectore Calectore Calectore Calectore Al Adrive D Al Adrive D Al Adrive D Al User Ce Al User Ce Al User Ce Al Undow Al Window Calectore Calectore Calectore Calectore Calectore Al User Ce Al User Ce Al Window Calectore C	Bungle resonance does not be set by the set of the	Proceedings of the second

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 Group Policy on the SCCM client using Windows Group Policy Editor.
- d. Configure the group policy on the client computers.

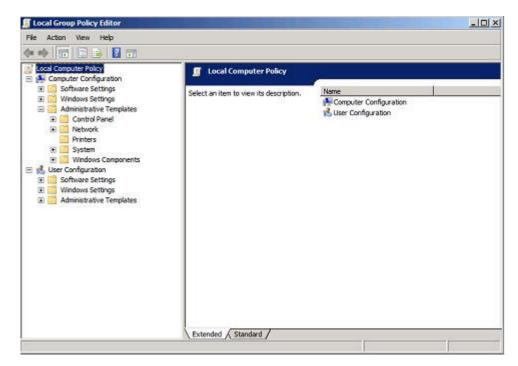


Figure 65. Local Computer Policy configuration

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

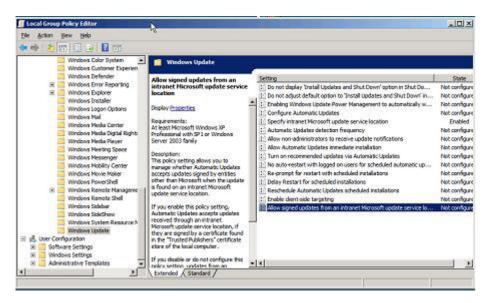


Figure 66. Allow signed updates from an intranet Microsoft update service location

- 4) Double-click Allow signed content from intranet Microsoft update service location.
- 5) Select Enabled and click OK. Close the Group Policy editor.

4. Make sure Microsoft .NET Framework Version 2.0 or later is installed on the SCCM client before deploying Lenovo updates to the SCCM client.

Deploying System Enablement Pack from the SCCM server to SCCM client

This topic describes how to deploy the Lenovo System Enablement Pack (SEP) from the System Center Configuration Manager (SCCM) server to the SCCM client. The SEP is a package that contains system-specific codes. It is used to support new System x and Blade servers for Lenovo 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.

Procedure

- 1. Open the SCCM console.
- 2. Expand **Software Updates** > **Lenovo** 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**.

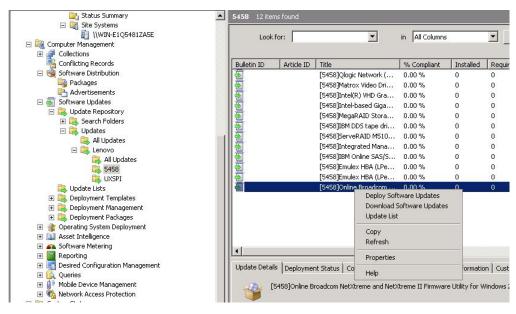


Figure 67. Deploy Software Updates

The Deployment Software Updates Wizard opens.

Deploy Software Updates V	Yizard	X
General Deployment Template Deployment Package Download Location Language Selection Schedule Summary Progress Confirmation	Enter a unique name and detailed description that will help identify the software update deployment Name: Lenovo Updates - 10/29/2014 11:20:05 AM Description:	
	< Previous Next > Finish Cancel	

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 is displayed.

Seneral	Templates can be used to define deploym	ent properties, such as target collection, package, and client
eployment Template		ually configured within the wizard and optionally saved as a
eployment Package	template for ruture use in other deployme	encs.
ownload Location		
anguage Selection	Select a template or define new propertie	s for the software update deployment:
thedule		
ummary	C Create a new deployment definition	
ogress		
onfirmation	 Use an existing template 	Details:
	🚅 Lenovo Update Template	Collection:
		All Systems
		Enabled
		Deployment Schedule:
		Client Local Time
		Suppress Restart:
		Servers
		Workstations
		Allow system restart outside of main Enabled

Figure 69. Deployment Software Updates Wizard Template

5. Select **Create a new deployment definition** and then click **Next**. The Deployment Package page is displayed.

Deploy Software Updates V	Vizard	x
Deployment Pack	kage	
General Deployment Template Deployment Package Distribution Points	The deployment package contains the software update files that will be available to clients as part of the deployment. Select a package, or create a new deployment package.	
Download Location Language Selection Schedule Summary Progress Confirmation	Create a new deployment package Name: EmulexHBA5458 Description: Package source: [\\WIN-E1Q5481ZASE\WSUSTemp\EMULEXHBA5458 Example: \\servername\share Sending priority:	

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.

Deploy Software Updates Wi	zard	X
Download Location		
General Deployment Template Deployment Package Distribution Points Download Location Language Selection Schedule Summary Progress Confirmation	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: Download software updates from the Internet Download software updates from a location on the local network C:\WSUS Note: When the deployment package contains all required software updates, select the "Download software updates form the Internet" option. The software updates files will be validated, but will not be downloaded again.	
	<pre></pre>	

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	redule	
General Deployment Template Deployment Package Distribution Points Download Location Language Selection Schedule	Select the date and time that software updates will be made available to clients: As soon as possible Date and time 10/29/2014 I:48 PM Specify whether the software updates should automatically install on clients at a configured deployment deadline:	
Summary Progress	C Do not set a deadline for software update installation	
Confirmation	Set a deadline for software update installation 11/12/2014 1:48 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 Cancel	

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 UXSPI from the SCCM server to the SCCM client

Lenovo UpdateXpress System Pack Installer (UXSPI) is prerequisite to all other Lenovo updates. It must be deployed to a client system before all of the other Lenovo updates.

If UXSPI is upgraded and if any of the updates are published to the Windows Server Update Services (WSUS) server and there is a newer UXSPI package, the newer UXSPI package replaces the earlier version of the UXSPI package on the SCCM server.

The following topics provide three methods for varying situations for deploying the UXSPI package when it is upgraded to a newer version.

Deploying UXSPI from the SCCM server to the SCCM client when the previous UXSPI is not deployed

The following procedure describes how to deploy Lenovo UpdateXpress System Pack Installer (UXSPI) from the SCCM server to the SCCM client if an earlier version of the UXSPI package was not previously deployed.

About this task

This task is performed from the Configuration Manager console.

Procedure

- Click Start > 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 > Lenovo > UXSPI. In the results pane, right-click the UXSPI to be deployed and select Deploy Software Updates.

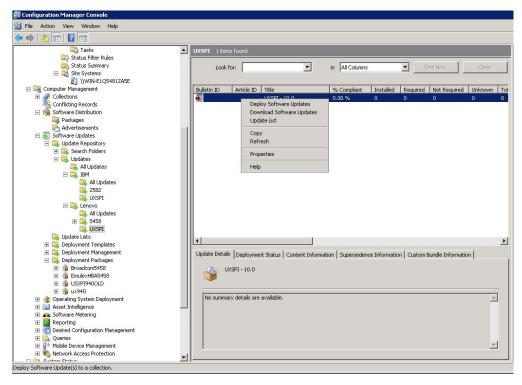


Figure 73. Deploying UXSPI to an SCCM client

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

Deploying UXSPI from the SCCM server to the SCCM client when an earlier version of UXSPI was previously deployed

The topics in this section describe three methods for deploying the Lenovo UpdateXpress System Pack Installer (UXSPI) from the System Center Configuration Manager (SCCM) Server to the SCCM client when UXSPI is being upgraded and an earlier UXSPI package was previously deployed.

Method 1: Deploying and upgrading UXSPI to a newer version:

The following procedure describes how to deploy and upgrade to a newer UXSPI version.

Before you begin

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 UXSPI package from the 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 > 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**.

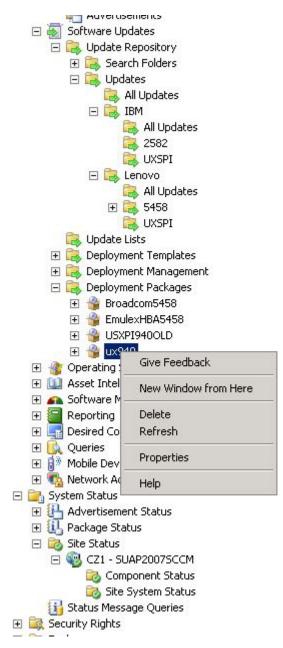


Figure 74. Deleting the old UXSPI advertisement

3. Right-click the UXSPI package that you want to deploy listed under the **UXSPI machine** category and select **Deploy Software Updates**.

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

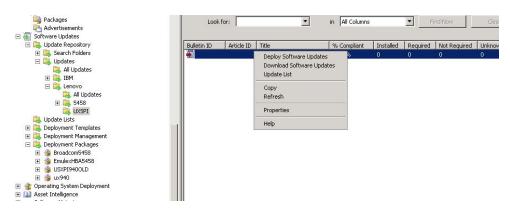


Figure 75. Deploying a newer version of the UXSPI software package

Method 2: Deploying and upgrading UXSPI when new and old packages coexist:

The following procedure describes how to deploy a package when upgrading to a newer UXSPI version, while having both the new and the old UXSPI deployment packages coexist.

About this task

This task is performed from the Configuration Manager Console.

Procedure

- Click Start > 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**.

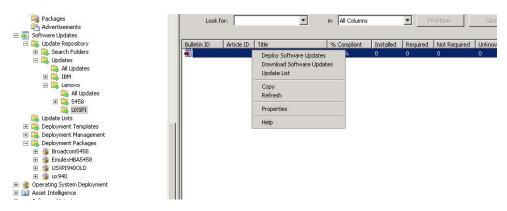


Figure 76. Deploying software updates when new and old packages coexist

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

Method 3: Deploying and upgrading UXSPI by adding the new version to an existing package:

The following procedure describes how to deploy a package when upgrading to a newer UXSPI version, by adding the new UXSPI package to an existing UXSPI deployment package.

About this task

This task is performed from the Configuration Manager Console.

Procedure

- Click Start > 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**.

Deployment Template	the deployment.
Deployment Package	Select a package, or create a new deployment package.
Download Location	Select deployment package
anguage Selection	
ichedule	
Summary	C Create a new deployment package Name:
rogress	nane:
Confirmation	Description:
	Package source:
	Browse
	Example: \\servername\share
	Sending priority:
	Medum
	Enable binary differential replication

Figure 77. Selecting an existing UXSPI deployment package

- 3. 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

neral	Enter a unique name and detailed description that will help identify the	coftuere undate deployment
ployment Template	chicer a drivique name and decaled description drac with help identity the	soloware update deployment
Collection	Name:	
Display/Time Settings	IBM Updates - UKSPI	
Restart Settings	Description:	
Event Generation		1
Download Settings		
Create Template		
hedule		
mmary ogress		
nfirmation		
		-
	la di	

Figure 78. Software updates - General

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

Deploy Software Updates \	Wizard	X
Deployment Ter	rplate	
General Deployment Template Schedule Summary Progress Confirmation	settings. The properties can also be m template for future use in other deploy	yment properties, such as target collection, package, and client anually configured within the wizard and optionally saved as a ments. rties for the software update deployment:
	Create a new deployment definition Use an existing template IBM SEP template IDSER template	Details: Collection: Al Systems User Notification: Enabled Deployment Schedule: Clerk Local Time Suppress Restart: Servers Workstations Allow system restart outside of main/ Disabled
	< P	evious Next > Finish Cancel

Figure 79. Selecting the UXSPI deployment template

5. Select **Select Deployment Package** and then click **Browse** to select 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

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

Chapter 4. Working with Microsoft System Center Operations Manager 2012

The topics in this section describe how to manage and deploy updates using Microsoft System Center Operations 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 setup the SCCM, see TechNet: System Center 2012 Configuration Manager.

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 > Software Updates.

2 1		li i	P	4	Edit Membership	-		E			
Synchronize Run Software Updates Summarization Il Software Updates II	Sched on Summar		Saved earches - Search	Down	aad Create Software Update Group Update	Deploy Deployment	Move Move	Properties Properties			
🕇 🔶 - 🛐 / 🖡 Softwa	re Library	Overview	 Softwa 	ere Updi	ates + All Software Updates						- 2
oftware Library		All Softwa	re Updates	8 itema	5						
Overview		Search							X DS	earch A	dd Criteria +
+ 🛄 Application Management		Joon T	ide .		*			Bulletin ID	Required	Installed	Percent Co
 Software Updates 					Phase 2.3 NDC Device Driver and Software for				•	0	0
All Software Updates	Carbon	ice Software			Device Driver for Windows 2008 - 4.1.334.0 -	1000000000000			۰	0	0
Deployment Packag Run Su		de sonware	In POSTA Sport due no monorox opuble neology - sister nex					٥	0	0	
		marization Update - 1.00 2. Device Drivers for Windows 2008 FLEX Systems - 9.1,9.48			•	0	0				
		Summarization Device Driver for Windows 2008 PLEX Systems - 9.1.9.48 vevice Driver for Windows 2008 - 4.0.317.0 - Release 3.0.1 - 4.0.317.0					•	0	0		
Operating Systems	Folder				Series SAS Expander Card - 608G	melease 3.0.1 -	40.317.0		0	0	0
			LO(SP1 - 9.20						0	0	0
					•						,
Assets and Compliance		[7912]	Emulex L	ICNA	Phase 2.3 NIC Device Driver an	d Software	for wit	ndows 200	3/2008 -1	Release 3	5.1.42 - *
Software Library		Detail				Statistics					į
Monitoring		Severil Bulleti Article	n ID:		None				Re Re	empliant 0 equired: 0 of Required: sknown: 0	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 finish. There is no visual indication that the process has completed.
- 5. Complete the following steps to check whether the synchronization process completed successfully:
 - 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.
- 6. After synchronization has successfully finished, refresh updates by clicking the **Refresh** button of the navigation bar as shown in the following figure.

Pone	fulle												~ •
Synchronice Software Updates	Run Summaritation	School Summer		Saved Searches •	Download	Create Softwar Update Group		Deploy	Nove Move	Properties		1	
Software Updates	Fee	ehod		Seeth		Opt	de .	Deployment	Move	Proporties		_	
• → • ■ ×	+ Software	Library +	Oven	new * Sofo	vare Updates	+ ALSODA	ere Updates						82
oftware Library			All Soft	toure Updates	d items								Aufra
# Overview			Sairch	1							8 155	100 A	dd Ortaria +
Application h	lanagement.		lope	7.6+						Bulleton ID	Basined	Installed	· Percent Corr
· C Software Upd	lates		47	(7912)8m/2	ex UCNA Pla	ee 2.3 NC Dev	ce Driver and Software f	or windows 2003	2008		0	0	0
All Software	e Updates		-	(7917)6mul	ex idest bev	ce Driver for W	ndows 2008 - 4.1.334.0	Release 4.0.1 -	4.1.334		0		0
Software Up	pdate Groups		-	(7917)28H	Fiex System I	C3172 3-port 8	Gb PC Multiboot Update	Package - 2.21af	fer.		.0	0	0
C Deployment	e Packages		-	[7917]38M	UEPE Flash Up	odeler - 1.00					0		0
Automatic I	Deployment Ru	iei -	-	[7917]Qkg	K PC STOR D	evice Drivers fo	Wedows 2008 PLEX Se	sterns - 9.1.9.48			.0		0
	0.000		-										

Figure 82. Refreshing updates

Viewing published updates

The following procedure describes how to view published 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.
- In the navigation pane, expand Overview > All Software Updates and right-click All Software Updates.

I Folder Tools System	Center 2012 Configuration Manager (Connected to 88A - SCCM2012RTM_ANG) (Evaluation, 162 days left)	A REAL PROPERTY.	-101>
Home Folder			~ (
Synchronize Software Updates E Software Updates Roports	khedule matization Search Samph Search Samph Samph Search Samph Samph Search Samph Sam		
🗲 🧼 + 🗑 🐧 + Software Libra	ry + Overview + Software Updates + All Software Updates		. 2
oftware Literary	All Software Updates 8 items		
@ Overview	Search	X Distant	Add Onteria •
+ 🧮 Application Management	Icon Title Bulletin ID	Required	Installed Percent Co
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	0	0 0
Deployment Packages	[7917]28M uEPt Hash Update - 1.00	0	0 0
Automatic Deployment Rules	[7917]Qkogic PC STOR Device Drivers for Windows 2008 PLEX 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	a a
	UC091 - 9.20		0 0
	·		
🛃 Assets and Compliance	[7912]Emulex UCNA Phase 2.3 NIC Device Driver and Software for windows 200	3/2008 -Re	lease 5.1.42 -
👘 Software Library	Detail Statistics		
Monitoring	Severty: None Bulletin ID: Article ID: Date Released: \$/25/2012 10:36 AM	E Regu	pliant 0 wred: 0 Required: 0
	Summary Deployment		
nady.			

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

Shows 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 Lenovo updates. It should be deployed to the client system before all of the other Lenovo updates. If the UXSPI package is not deployed on the client system, the other Lenovo updates will be marked as "Not Required" on that client system. If the target machine needs an SEP, deploy the SEP 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 Lenovo updates in System Center Configuration Manager

After you determine which updates need to be distributed, the administrator selects the Lenovo 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 System Updates Acquisition and Publishing Tool.

The other topics in this section provide detailed information about implementing the Lenovo System Updates for Microsoft System Center Configuration Manager, v5.6.

Checking deployment prerequisites for Lenovo updates

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

About this task

This task is performed from theConfiguration 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 **Overview**. Select one or more of the following status views.
 - Site Status
 - Component Status
 - Site Systems Status

System Center 2012 Configuration P	tanager (Cor	medied to	88A - SCCH2012RTH_ANG) (Evaluation, 162 day	s kalų			-1012
Home							
Saved Searches • Search Counts • Constraints	G Refre	Prop	ettes				
🗧 🔶 - 😽 / + Monitoring +	Overview	 System 	Status + Component Status				1
lonitoring	< Compo	ment Statu	n 52 items				
Cverview	- Search	£			X P	Search	Add Oriteria •
Alerts	Icon	Status	Component	Site System	Type	Site Code	
Dueries	0	ок	SMS_RULE_ENGINE	WIN-MRSVUNA31FD.	Monitored Thread Comp.	88A	
Reporting	0	ок	SHS_REPLICATION_MANAGER	WIN-MRSVUNAJ1FD.	Monitored Thread Comp	884	
R Site Hierarchy	0	OK	SHS_REPLICATION_CONFIGURATION_MONITOR	WIN-MRSVUNA31FD	Monitored Thread Comp	884	
🛛 🧮 System Status	. 0	OK	SHS_SITE_COMPONENT_MANAGER	WIN-MRSVUNA31FD.	Component Not Installe	88A	
Site Status	0	OK	SHS_SITE_BACKUP	WIN-MRSVUNA31FD.	Unmonitored Service Co	88A	
Component Status	0	OK	SHS_SCHEDULER	WIN-MRSVUNAJ1FD	Monitored Thread Comp.	884	
Conflicting Records	0	OK	SHS_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	88A	
Client Status	0	OK	SHS_OBJECT_REPLICATION_MANAGER	WIN-MRSVUNAJ1PD	Monitored Thread Comp.	88A	
Database Replication	0	OK	SH5_PACKAGE_TRANSFER_MANAGER	WIN-MRSVUNA31FD	Monitored Thread Comp	88A	
Distribution Status	. 0	OK	SMS_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	SHS_WSUS_CONFIGURATION_MANAGER	WIN-MRSVUNA31FD	Monitored Thread Comp.	88A	
Software Library	0	OK	SM5_WINNT_SERVER_DISCOVERY_AGENT	WIN-MRSVUNA31FD	Unmonitored Thread Co	88A	
Monitoring	0	OK	SHS_STATUS_MANAGER	WIN-MRSVUNA31FD	Monitored Thread Comp.	884	
	0	OK	SHS_WSUS_CONTROL_MANAGER	WIN-MRSVUNAJ1PD	Monitored Thread Comp.	85A	
Administration	0	OK	SHS_FALLBACK_STATUS_POINT	WIN-MRSVUNA31FD	Monitored Thread Comp	88A	
	- 0	ок	SHS_WSUS_SYNC_MANAGER	WIN-MRSVUNA31FD.	Monitored Thread Comp.	884	
nady	-	1000					_

Figure 84. Component Status

If the component is functioning normally, the site status, component status, and site system status is displayed as 0K, and the SCCM server status is normal.

Adding the System Update Point Role in SCCM

The following procedure describes how 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 opens.
- 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	Select a server to use as a	
Active Settings Summary	Name: Exam WIN-MR5VUNA31FD.angle	ple:server1.cop.contoso.com accm/2012ec.com Browse.
Progress	Internet Stores in Dange	acomzo rate com
Completion	Site code: 88A - SCCM20	12RTM_ANG
	Specify an FQDN for this site sy	ystem for use on the internet
	Internet FQDN:	Example: Internetsrv2.contoso.com
	WIN-MR5VUNA31FD angle so	com2012rc.com
	Require the site server to initiate	
	After the installation of the site syste Installation Account.	en roles, the site server initiates all connections to the site system server by using the Site System
	Ste System Installation Account	
	Use the ste server's computer a	and the second
	Use another account for installing	ng this site system
		Set. 👻
	Active Directory membership	
	Active Directory forest	angle sccm2012rc.com
	Active Directory domain	angle scom2012rc.com
	For the transferred particular	

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

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

Configuring a 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.

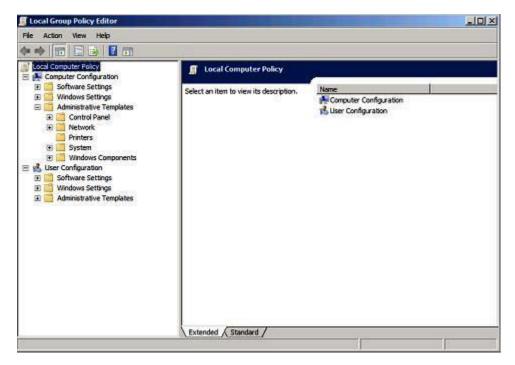


Figure 86. Local Computer Policy configuration

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

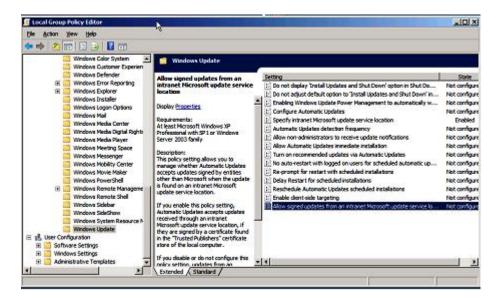


Figure 87. Allowing signed updates from an intranet Microsoft update service location

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

What to do next

Verify that Microsoft .NET Framework Version 2.0, 3.0, or 3.5 is installed on the SCCM client before deploying Lenovo updates to the SCCM client.

Deploying SEP from the SCCM server to the SCCM client

The System Enablement Pack (SEP) 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 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.

Folder Tools System Cen	ter 2012 Configuration Manager (Connected to BBA - SCCM2012RTM_ANG) (Evaluation, 16	2 days left)
Home Polder		~ 🕑
Synchronize Software Updates Al Software Updates	Lie Saved Download Create Software Review License Deploy Move	Properties
🗲> - 📓 \ + Software Library	Overview Software Updates All Software Updates	2
Software Library 4	All Software Updates 9 items Search	X D Search Add Oriteria +
* 🔁 Application Management	Icon Title	Required Installed Percent Compliant Downloaded
Software Updates All Software Updates Software Update Groups Deployment Packages Automatic Deployment Rules Operating Systems	2583/15M System Enablemert Pack - 2583/15M System Enablemert Pack - 27932/Emulee UCNA Phase 2.3 NGC Dev 27937/21Pmulee ISCSI Device Driver for V 27937/21BM HPR System FC3172 2-port 27937/21BM HPR Heak Update - 1.00 27937/21BM HPR H	0 0 0 No 0 0 0 No
	*	
Assets and Compliance	[2583]IBM System Enablement Pack - 1.01	ž
👘 Software Library	Detail Statistics	Ĵ.
Monitoring	Severity: None Bulletin ID: Article ID: Date Released: 6/5/2012 10:07 AM	Compliant 0 Required 0 Not Required 0 Unknown: 0
Ready	Summary Deployment	4

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.

	Specily genera	al information for this deployment	
eployment Settings theduling			
ser Experience	Deployment Name:	IBM SEP - 2012-06-05 10:21:44 AM	
erts	Description:		
wnload Settings			×
ployment Package			
Distribution Points			<u> </u>
wnload Location	The following softwa	are updates or software update groups are included in this deployment.	
nguage Selection	Software Update/S	oftware [2583]IBM System Enablement Pack - 1.01	Browse
nmary.	Update Group:		
ogress		saved deployment template that defines configuration settings for this deploy e option to save the current configurations as a new deployment template.	ment. Before you complete this
mpletion	witche, you have a s	e option to save the care is consignations as a new deployment template.	
	Select Depl	loyment. Template	
	Deploy this software	e update deployment to the following collection.	
	Collection:	All Systems	Browse
	CORECDON.		
	Collection.		
	Collection.		
	Collection.		
	Cuectori.		
	Collection.		
	Constant.		

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.

Second second second second	Specify the package to use	
loyment Settings	Specify the package to use	
eduling		
r Experience	The deployment package contains the software update files that will be available to clients	as part of the deployment. You can
ts	select an existing deployment package or create a new one.	
vnload Settings		
koyment Package	C Select deployment package:	
Distribution Points		
vnload Location		Browse
guage Selection	Create a new deployment package:	
mary	Name:	
gress	SEP - 2853	
pleton	Description:	
		<u>~</u>
		-
	Package source (Example): \\ <server>\dolder path></server>	
	\\WIN-MR5VUNA31FD\WSUSTemp\SEP-2583	Browse
	Sending priority:	
	Medium	

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 an option from the Sending prioritylist.
 - f. Click Next.

The Distribution Points page opens.

Distribution Poin	ts						
General Deployment Settings Scheduling User Experience	Specify the distribution points or distribution point groups to host the content Distribution points or distribution point groups:						
Alerts Download Settings	Fiter	2				Add 🔻	
Deployment Package	Name	Description	Associations	1		Distribution	Draint
Distribution Points	\\WIN-MR5VUN				_	Distribution	
Download Location						0.00000	
Language Selection							
lummary							
Togress							
Completion							
	0		< Previous	Next> S	mmary	Cancel	

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.

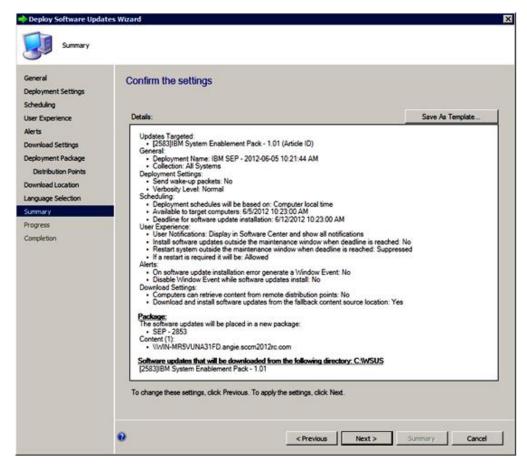


Figure 92. Deployment Software Updates Wizard summary

- **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:
 - Deployment Settings
 - Scheduling
 - User Experience
 - Alerts
 - Download Settings

The Completion page opens.

- 11. On the Summary page, click Next.
- 12. Click Close.

Deploying UXSPI from the SCCM server to the SCCM client

The Lenovo UpdateXpress System Pack Installer (UXSPI) is prerequisite to all other Lenovo updates. It must be deployed to a client system before all of the other Lenovo updates.

If the UXSPI is upgraded and any of the updates are published to the Windows Server Update Services (WSUS) server and there is a newer UXSPI package, the newer UXSPI package replaces the old UXSPI package on the SCCM server. The following topics provide three methods for varying situations for deploying the package when it is upgraded to a newer UXSPI version.

Deploying 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 Lenovo UpdateXpress System Pack Installer (UXSPI) package from the System Center Configuration Manager (SCCM) server to the SCCM client when the prior version of the 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 SEP from the SCCM server to the SCCM client" on page 90.

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

The following topics describe the three methods for deploying the Lenovo UpdateXpress System Pack Installer (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 a UXSPI package from the SCCM server to the SCCMSCCM client

This method deletes the old Lenovo UpdateXpress System Pack Installer (UXSPI) deployment advertisement and deployment package and then creates a new UXSPI deployment package. The following procedure describes how to deploy theUXSPI 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.
- In the navigation pane, expand Software Library > Overview > Deployment Packages. The Deployment Packages page opens.

	efresh elete	estage Co	ntent File	Distribute Content Dist Deploy	Update Bution Points mont	Set Security Scopes Classify	Properties Properties		
← → • 🛐 \ • Software Library #	Over	iev >	Software U	Apdates + Dep	loyment Package	8			. 3
Software Library 4	Deploy	-	ickages 2 i	lems				X 5 Search	Add Onteria •
1 GAPplication Management	Icon Name		•	Package ID		- 10 - 10 - M			
Software Updates All Software Updates	a	SEP			88400005 88400005				
Software Update Groups	a	004	1000	w Members age Access Accou					
Automatic Deployment Rules			1000	ate Prestage Conti					
+ 🧰 Operating Systems			Q Ref	resh		5			
			X Del	ste	D	elete			
				ribute Content late Distribution P	oints				
			8 Set	Security Scopes		1			
Assets and Compliance	UXS	PI-9.2	C Proj	perties					
Software Library	Pack	age Prop	erties		Distri	bution Point Si	tatus	Related Objects	
Monitoring	50	ckage ID urce Dat st Refres	e:	88A00006 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 11:	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.

it Rules	[7917]Qlog	ic FC S lex iSC	lash Update - 1.00 TOR Device Drivers for Windows 2008 FL SI Device Driver for Windows 2008 - 4.0.3 500 Series SAS Expander Card - 60BG	
	UXSPI - 9.2		Download Create Software Update Group Edit Membership Review License	
	Detail	•	Deploy	Statistics
	Severity:	1	Move	
	Bulletin ID: Article ID:		Properties	

Figure 94. Deploying the UXSPI software package

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

Method 2: Deploying a new UXSPI package to coexist with a prior package

This method deploys a new UXSPI package without deleting the existing UXSPI package. The following procedure describes how to deploy a new UXSPI package to coexist with an old UXSPI package. This enables you to continue updating a legacy machine if UXSPI removes the legacy machine from the support list.

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 F	lex System FC3172 2-port 8Gb FC Multiboot Upd	ate Package - 2.26af					
it Rules	[7917]IBM uEFI Flash Update - 1.00							
	[7918]Emul	c FC STOR Device Drivers for Windows 2008 FLE ex iSCSI Device Driver for Windows 2008 - 4.0.31						
	UXSPI - 9.20	Gb 2500 Series SAS Expander Card - 60BG						
	۲ المراجع الم مراجع المراجع ال مراجع المراجع ال مراجع المراجع الم	Image: Download Image: Download Image: Create Software Update Group Image: Download Image: Download						
	Detail	-> Deploy	Statistics					
	Severity:	🔁 Move						
	Bulletin ID: Article ID: Date Released:	Properties 5/10/2012 10:09 AM						

Figure 95. Deploying the UXSPI software package

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

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

This method adds a new UXSPI package to an existing UXSPI deployment package. The following procedure describes how to add the new 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**.
- In the results pane, right-click the UXSPI package to be deployed and select Deploy. This action is displayed in the following figure. The General page opens.

kage - 2.26af							
[7917]IBM uEFI Flash Update - 1.00							
[7917]Qlogic FC STOR Device Drivers for Windows 2008 FLEX Systems - 9.1.9.48 [7918]Emulex iSCSI Device Driver for Windows 2008 - 4.0.317.0 - Release 3.0.1 -							
Hease 3.0.1 -							
Statistics							

Figure 96. Selecting an existing UXSPI deployment package

- 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.

ployment Settings heduling	Specify general information for this of	deployment	
er Experience	Deployment Name: IBM UXSPI - 2012-06	05 11:23:56 AM	
erts	Description:		
winioad Settings			
mmary			
ogress			
Completion	The following software updates or software update g		iert.
	Software Update/Software	Select a Template	
	Update Group: JUX3F1*5.20	Available templates (1):	Rename Delete
	Select a previously saved deployment template the	-	
	wizard, you have the option to save the current cc	Fitter	[
	Select Deployment Template	UXSPI920	Date Modified 6/5/2012 11:22:32
	Select Deployment Template	0.01.020	
	Deploy this software update deployment to the foll-		
	Collection:		
	1		
			OK Cancel

Figure 97. Software updates using a 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.

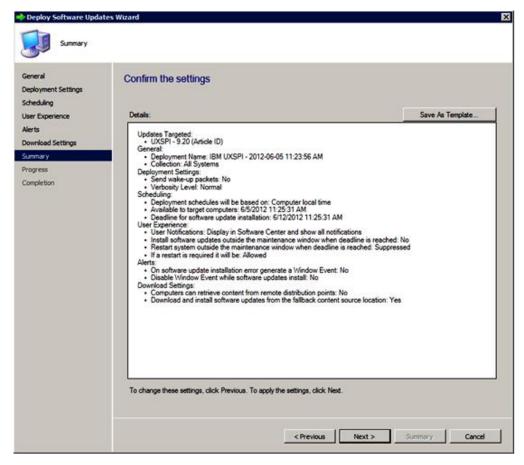


Figure 98. Summary page

8. Click **Next** to use the current template settings or click **Previous** to modify the settings. For more information about this step, see "Deploying UXSPI from the SCCM server to the SCCM client" on page 94.

Deploying Lenovo updates from the SCCM server to the SCCM client

The following procedure describes how to deploy Lenovo 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		A	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 V	Ninda	ows 2008 - 4.1.334.0 - Release 4.0.1 - 4.1.334	0	0	0
	•	[7917]IBM Flex System FC3172 2-port	SGb	FC Multiboot Update Package - 2.26af.flex	0	0	0
es	-	[7917]IBM uEFI Flash Update - 1.00		1	0	0	0
	1	[7917]Qlogic FC STOR Device Drivers	-	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	/	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 Lenovo updates from the SCCM server to the SCCM client

4. Complete steps 4 to 12 as described in "Deploying 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 Lenovo System Updates for Microsoft System Center Configuration Manager, v5.6.

Supported Microsoft System Center products

Lenovo System Updates for Microsoft System Center Configuration Manager, v5.6 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

Lenovo System Updates supports the following client systems.

Supported systems

Table 2. Supported systems

Product family name	Machine type
Lenovo BladeCenter HS20	1883, 8843
Lenovo BladeCenter HS21	1885, 8853
Lenovo BladeCenter HS22	7870, 1936, 1911
Lenovo BladeCenter HS22V	1949, 7871
Lenovo BladeCenter HS23	7875, 1929
Lenovo BladeCenter HS23E	8038, 8039
Lenovo BladeCenter HX5	1909, 1910, 7872, 7873
Lenovo BladeCenter LS21	7971
Lenovo BladeCenter LS22	7901
Lenovo 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
Lenovo Flex System x240 M5 Compute Node	2591, 9532
IBM Flex System x280 Compute Node X6/x480 X6/x880 X6	7903
IBM Flex System x440 Compute Node	7917
Lenovo Flex System x440 Compute Node	7167, 2590
IBM NeXtScale nx360 M4	5455
Lenovo NeXtScale nx360 M5	5465
Lenovo NeXtScale nx360 M5 DWC	5467, 5468, 5469

Table 2. Supported systems (continued)

Product family name	Machine type
IBM Smart Analytics	7949
IBM System x3100 M4	2582
IBM System x3100 M4 IBM System x3100 M5	2362 5457
IBM System x3200 M2	4367, 4368
IBM System x3200 M3	7327, 7328
IBM System x3250 M2	7657
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
Lenovo System x3550 M5	5463
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	5466, 7915
Lenovo System x3650 M5	5462
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/x3950 X6	3837
IBM System x3950 M2	7141, 7144, 7233, 7234
,	, , , ,

Table 2. Supported systems (continued)

Product family name	Machine type
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 for client and server machines

Microsoft .NET Framework Version 2.0 is required software for client machines, and Microsoft .NET Framework Version 4.0 is required software for server machines.

Appendix A. Troubleshooting

The topics in this section will assist you with troubleshooting issues that you may have with Lenovo System Updates.

How to configure the SUAP log file

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

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

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

The available *LogLevel* values are: Debug, Info, Warning, Error, and Fatal.

By default, the Info value is used.

Download updates from the Lenovo 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 System Updates Acquisition and Publishing Tool can connect to the Lenovo update repository server using a web browser by connecting to: Fix Central.

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

SMS Trac	e - [C:\Program File	s\IBM\IBM System	Updates\Log\2011-6-7_15'58'57.log]	
Ble Ioo	ls <u>W</u> indow <u>H</u> elp			X
📽 🛃 🖨	🖻 🐴 📕 🗖			
Log Text				
Error: Uxspi err	or: Unable to connect to t	he IBM update repositor	y (e. FSP server)	
				-
Date/Time:	6/8/2011 8:56:49 PM	Component:	Acquisition	-
Thread:	6 (0x6)	Source:	unknown file:0	
	ror: Unable to connect to			*
				_
				<u>v</u>
Bapsed time is	Oh 45m 26s 891ms (272	26.891 seconds)		//

Figure 100. Unable to connect to the 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 System Updates Acquisition and Publishing Tool to Windows Server Update Services

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

Possible Solution

To determine what occurred, check the SUAP log file located at %SystemDrive%\Program Files\IBM\IBM System Updates\Log.

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

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

SMS Tra	ce - (C:\Pro	gram Files\	IBM\IBM System	Updates\Log\2011-6-7_15'58'57.log]	
Be Ico	is <u>W</u> indow	Help			_ 8 ×
🗃 🖪 🖪	6 Co #				
Log Text		I Pro Parent			
Error: GuidUpde	teMT xeni can	not be found! !	low try to create a new	v one.	
				otion: Verification of file signature failed for file: \\192.168.30.91\	Update Servic
			04a-1.10_windows_3		
error: Publish up	sdate failed, up	idate (Disbm_ut	_ump_p3tp04a-1.10	windows_32-64, machine type:7870	-
					-
					-
D-1-07	e in 196 0				-
Date/Time:		120143 HM	Component:	Publish	
Thread:	6 (0x6)		Source:	unknown file:0	
				eption: Verification of file signature failed for file: \\192.168.30).91
			Api.Publisher.VerifyA	322\d707ef0e-af62-4edf-bd01-cdd7194801d3_1.cab udPublishPackage()	
at Microsoft.	UpdateService			Package(String sourcePath, String additionalSourcePath, String	i II
packageDirecti at Microsoft.		s.Internal.Bas	eApi.Publisher.Publish	Package(String sourcePath, String packageDirectoryName)	
at IBM.Syste	mUpdate.SUA	P.Publish.Publis	hManager.PublishUpc	lateToWSUS(DirectoryInfo packDir, String metadataFile, String	& retMsg)
Flansed time is i	0h 4m 36s 375	ms (276.375 st	econds)		

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 described in "Setup Wizard" on page 16.

Updates fail due to the Secure Sockets Layer connection failing

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

NSUS Server Inter the WSUS server that will be used for publishing. Administrative rights are required on the WSUS server successfully publish updates. Connect to a local update server. Connect to a remote update server. Use Sec Test connection failed! Enor message: Failed connecting to WSUS server at 9.123.251.1801 OK OK Connection	System Updates Setup Wiz	ard	2
Connect to a local update server. Connect to a remote update server. Use Sect Test connection X Name: 9.12 Test connection failed! Isource message: Failed connecting to WSUS server at 9.123.251.180 [30	WSUS Server		IBM
Connect to a remote update server. Use Sect Vise Sect			
Name: 9.12 Test connection failed! Error message: Failed connecting to WSUS server at 9.123.251.180 !			
Name: 9.12 Error message: Failed connecting to WSUS server at 9.123.251.180	Use Sect		
OK Connection	Name: 9.12 🐼		
		OK Connection	1
		<back next=""> Finish Cancel</back>	

Figure 102. Connection to WSUS server failure message

Possible Solution

Either configure the SSL as described in "Setup Wizard" on page 16, or publish without using the SSL feature.

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

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

Possible Solution

Close the 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.

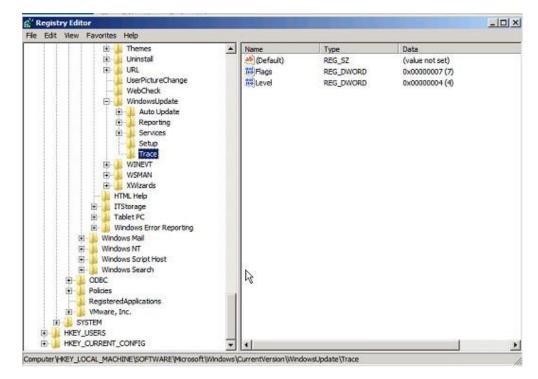


Figure 103. Changing the trace registry key

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 incomplete installation in the result.txt

file: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			_ [
🌀 🕞 📲 • Control Panel • Windows Update • View update history	🔹 💶 Search		1	2
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				
Troubleshoot problems with installing updates	Status	Type	Date Installed	
Troubleshoot problems with installing updates		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 Name	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.

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.
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.

Table 3. Error codes

Updates for QLogic might be not installed by default

Use this topic for troubleshooting why updates for QLogic may not have been 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

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.

lote: SEP packages will be automatically ad	Children and allow				
Vane Online Broadcon NetXtrene and Net	Version 2.1.6	Size (308) 9446	D brom fw mic 2.1.6z1-test windows 3		
Online Broadcon NetXtrene and Net		9761	bren_fw_nic_2.1.7a_windows_32-64		
QLogic 10 Gb CHA Adapter FW Updat	1.01.94	3427	also fy nic ale8142-1.01.94 window		
System Enablement Pack	3.01	5622	ibm utl trep 3.01 windows i386		
System Enablement Pack	3.01	6670			
elect this option only if you have an unknown Also select Host Bus Adapters(HBA)and C this option is not selected, Brocade, Emule, encode, Emule, encode, Brocade, Emule, encode, Brocade, Emule, encode, Brocade, Emule, encode, Brocade, Brocade, Brocade, Emule, encode, Brocade, Broca	Coverged N x, and Qlog atibility wit	letwork Adaj lic HBA's an	vter(CNA) d CNA's will not be updated.		
Allow updates to be installed as a downgr					

Figure 105. Publish Wizard Confirm Updates Packages

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

Some updates may require restarting the client server to finish the installation.

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

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.

Control Panel					• 🛄 Search	
File Edit View Tools Help						
Classic View	Name C	ategory +				
Classic view.	S.					
	1000	9	- A			
	Configuration Manager	Program Downlo	Remote	Run Advertis	Text to Speech	

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 one of the following actions:
 - Software Update Deployment Evaluation Cycle
 - Software Updates Scan Cycle
 - User Policy Retrieval & Evaluation Cycle

urrently installed on you		o ooningaraa	on Manager co	inporterito
ctions:				
Branch Distribution Poi	nt Maintenand	ce Task		
Discovery Data Collect	ion Cycle			
File Collection Cycle				
Hardware Inventory Cy				
Machine Policy Retriev	al & Evaluatio	n Cycle		
Software Inventory Cyc	le			
Software Metering Usa	ge Report Cy	cle		
Software Updates Dep	loyment Evalu	lation Cycle		
Software Updates Sca	n Cycle			
User Policy Retrieval &	Evaluation Cy	vcle		
Windows Installer Sour	ce List Updat	e Cycle		
				2

Figure 107. Initiating Configuration Manager properties

Unable to install Lenovo updates on the SCCM client

If you are unable to install Lenovo updates on SCCM client, you may need to install Microsoft .NET Framework Version 2.0 or later on the SCCM client.

Issue: Lenovo updates cannot install on the SCCM client.

Possible Solution:

Lenovo updates require that Microsoft .NET Framework Version 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 System Updates Acquisition and Publishing Tool

Use this topic to troubleshoot why updates from the 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 System Updates Acquisition and Publishing Tool.

Possible Solution:

Ensure that the SCCM server synchronization settings are configured correctly. For more detailed information, see TechNet Library: 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 package 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:\lenovo_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.

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Lenovo and accessibility

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