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

Version 5.6

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

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.

© Copyright Lenovo 2014.
Portions © Copyright IBM Corporation 2014.

LIMITED AND RESTRICTED RIGHTS NOTICE: If data or software is delivered pursuant a General Services Administration "GSA" contract, use, reproduction, or disclosure is subject to restrictions set forth in Contract No. GS-35F-05925.

Contents

Figures v

Tables vii

About this publication ix
Conventions and terminology ix

Information resources xi
PDF files xi
World Wide Web resources xi

Chapter 1. Lenovo System Updates for Microsoft System Center Configuration Manager, v5.6 1
New in this release 1
Trial license support 1
Free features 1
Premium features 2
How System Updates provides system support . . 2
Lenovo System Enablement Pack 3
Hardware and software requirements 3

Chapter 2. Lenovo System Updates installation 5
Installing the Lenovo System Updates tool 5
Uninstalling the Lenovo System Updates tool . . . 13

Chapter 3. Working with Lenovo System Updates and Microsoft System Center Configuration Manager 2007 . . 15
System Updates Acquisition and Publishing Tool, Version 5.6. 15
Using the Home view 15
Using the All Updates view 30
Adding and removing machine types using My Machines view 55
Generating an Updates Comparison Report. . . 57
Viewing the journal of updates deployment results 60
Scanning clients for updates compliance 62
Synchronizing the update repository 62
Deploying Lenovo updates in Microsoft System Center Configuration Manager 66
Adding a System Update Point Role 66
Deploying System Enablement Pack from the SCCM server to SCCM client 69
Deploying UXSPI from the SCCM server to the SCCM client 74

Chapter 4. Working with Microsoft System Center Operations Manager 2012 83
Synchronizing software updates 83
Viewing published updates 84
Deploying Lenovo updates in System Center Configuration Manager 86
Checking deployment prerequisites for Lenovo updates. 86
Adding the System Update Point Role in SCCM 87
Configuring a client machine 88
Deploying SEP from the SCCM server to the SCCM client 90
Deploying UXSPI from the SCCM server to the SCCM client 94
Deploying UXSPI from the SCCM server to the SCCM client when the prior UXSPI version was not deployed 95
Deploying UXSPI from the SCCM server to the SCCM client when the prior version of UXSPI is deployed 95
Deploying Lenovo updates from the SCCM server to the SCCM client 100

Chapter 5. Supported hardware and software 103
Supported Microsoft System Center products. . . 103
Supported client systems 103
Supported operating systems for client machines 105
Required software for client and server machines 105

Appendix A. Troubleshooting 107
How to configure the SUAP log file 107
Download updates from the Lenovo website failed 107
Updates fail to publish from the System Updates Acquisition and Publishing Tool to Windows Server Update Services 108
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 108
Updates fail due to the Secure Sockets Layer connection failing 109
Changing the log level value in the registry does not take effect while the System Updates Acquisition and Publishing Tool is running . . . 110
Updates do not deploy from the Microsoft System Center Configuration Manager server to the Microsoft System Center Configuration Manager client 110

© Lenovo 2014. Portions © IBM Corp. 2014.

Updates do not deploy to the Microsoft System Center Configuration Manager client due to a firewall restriction 111
Update does not install on a client machine . . . 111
Updates for QLogic might be not installed by default 112
Some updates may require restarting the client server to finish the installation. 113
Windows Updates notification is slow to appear on the Microsoft System Center Configuration Manager client 113
Unable to install Lenovo updates on the SCCM client 115
Unable to expire updates from the System Updates Acquisition and Publishing Tool 115
A sequence package does not install on the client system. 116

Appendix B. Accessibility features 117

Notices 119
Trademarks 120
Important notes 120

Index 121

Figures

1. WSUS 3.0 sp1 or later is not installed message 5
2. Preparing to Install Lenovo System Updates 6
3. InstallShield Wizard Welcome page for Lenovo System Updates 7
4. Software License agreement 8
5. Trial Version page 9
6. Destination Folder 10
7. Ready to Install the Program 11
8. Installation progress. 12
9. Extraction of Installation files 12
10. InstallShield Wizard Completed 13
11. Home view 16
12. System Updates Setup Wizard for the WSUS server 17
13. Software Update Point Component Properties (SCCM 2007) 19
14. Software Update Point Component Properties (SCCM 2012) 20
15. WSUS Server Certificate 21
16. Console 1 - WSUS Certificates 22
17. Outbound Connectivity 25
18. HTTP Proxy 25
19. Local Repository 26
20. Confirm Setup 27
21. Setup Finished 28
22. Upgrade UXSPI and check for the latest machine list 29
23. Upgrade UXSPI tool progress window . . . 30
24. All Updates view with an example of no updates 31
25. All Updates view example of an update for System x3100 M4 31
26. Import Wizard Welcome 32
27. Select Updates Source 33
28. Select Updates 34
29. Importing Updates 35
30. Import Finished 36
31. Check all updates from the Lenovo website 37
32. Updates view with the **General** tab detail information 37
33. Updates view of the **Applicable Platforms** tab 38
34. Downloading Updates 39
35. Publish Wizard License Agreement. 40
36. Downloading Updates 41
37. Confirm Updates Packages 42
38. Publishing Updates 43
39. Publish operation is complete 44
40. Publish Wizard Welcome 45
41. Create Sequence Package 46
42. Updates list with saved sequence package 46
43. Sequence update **General** tab 47
44. **Individual Updates** tab 47
45. Check selected updates from WSUS 49
46. Expire Updates on the WSUS Server 50
47. Expire updates detail view 50
48. Expire Wizard License Agreement 51
49. Expire Wizard Welcome 52
50. Expire Wizard Confirm Update Packages 53
51. Expire operation finishes 54
52. Expire operation results 55
53. My Machines view 56
54. Add new machine types 57
55. Generate Updates Comparison Report Wizard Welcome page 58
56. Generate Updates Comparison Report . . . 59
57. Generate Updates Comparison Report Finished 60
58. View journal of updates deployment log in page 61
59. View journal of updates deployment result 62
60. Synchronizing the Update Repository 63
61. Refreshing the Lenovo folder. 64
62. Viewing published updates 65
63. Component Status 66
64. Configuring the system update service point 67
65. Local Computer Policy configuration 68
66. Allow signed updates from an intranet Microsoft update service location 68
67. Deploy Software Updates 69
68. Deploy Software Updates Wizard - General 70
69. Deployment Software Updates Wizard Template 71
70. Deployment Package 72
71. Download Location 73
72. Deployment Schedule 74
73. Deploying UXSPI to an SCCM client 75
74. Deleting the old UXSPI advertisement . . . 77
75. Deploying a newer version of the UXSPI software package. 78
76. Deploying software updates when new and old packages coexist 78
77. Selecting an existing UXSPI deployment package 79
78. Software updates - General 80
79. Selecting the UXSPI deployment template 81
80. Selecting an existing UXSPI deployment package 82
81. Synchronizing the Update Repository 83
82. Refreshing updates 84
83. Viewing published updates 85
84. Component Status 87
85. Select a server to use as a site system 88
86. Local Computer Policy configuration 89
87. Allowing signed updates from an intranet Microsoft update service location 89
88. Deploy Software Updates 90
89. Deploy Software Updates Wizard - General 91
90. Deployment package page 92
91. Distribution Points page 93
92. Deployment Software Updates Wizard summary 94
93. Deleting the old UXSPI advertisement . . . 96
94. Deploying the UXSPI software package 96

© Lenovo 2014. Portions © IBM Corp. 2014.

95. Deploying the UXSPI software package 97
96. Selecting an existing UXSPI deployment package 98
97. Software updates using a template 99
98. Summary page 100
99. Deploying Lenovo updates from the SCCM server to the SCCM client 101
100. Unable to connect to the update repository error 108
101. Failure to verify the file signature 109
102. Connection to WSUS server failure message 110
103. Changing the trace registry key 111
104. Viewing update history on client system 112
105. Publish Wizard Confirm Updates Packages 113
106. SCCM Agents in Control Panel 114
107. Initiating Configuration Manager properties 115

Tables

1. Frequently used terms and acronyms ix
2. Supported systems. 103
3. Error codes 112

© Lenovo 2014. Portions © IBM Corp. 2014.

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.

Table 1. Frequently used terms and acronyms

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

© Lenovo 2014. Portions © IBM Corp. 2014.

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 2014. Portions © IBM Corp. 2014.

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.

© Lenovo 2014. Portions © IBM Corp. 2014.

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.

© Lenovo 2014. Portions © IBM Corp. 2014.

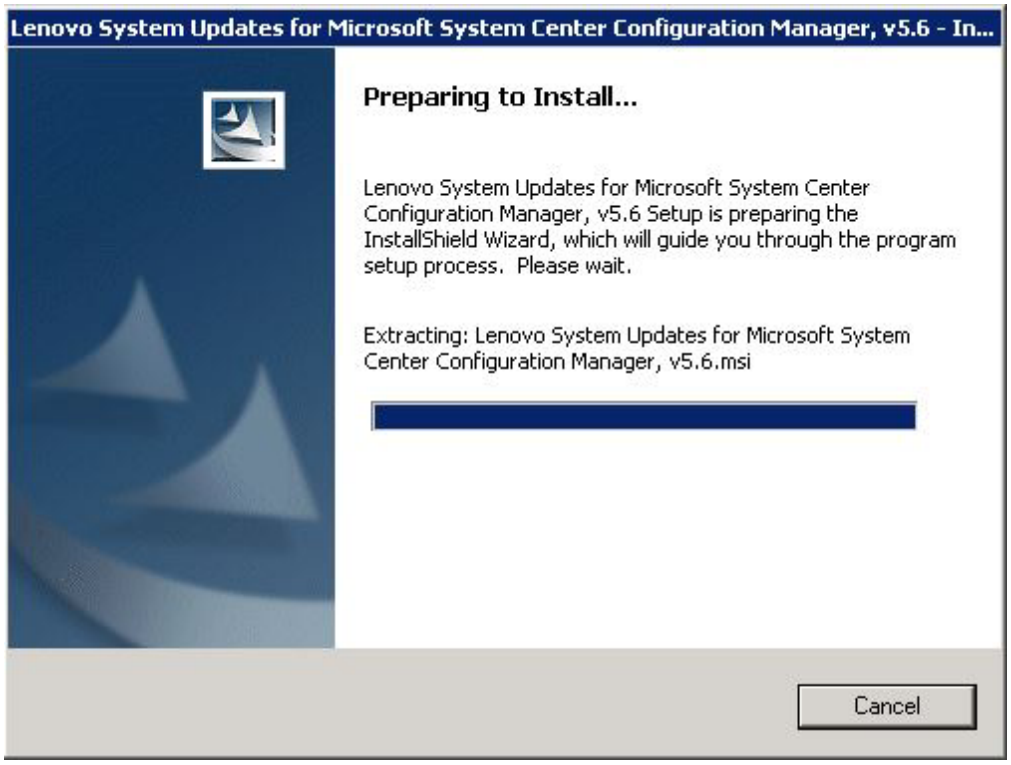

Figure 2. Preparing to Install Lenovo System Updates

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

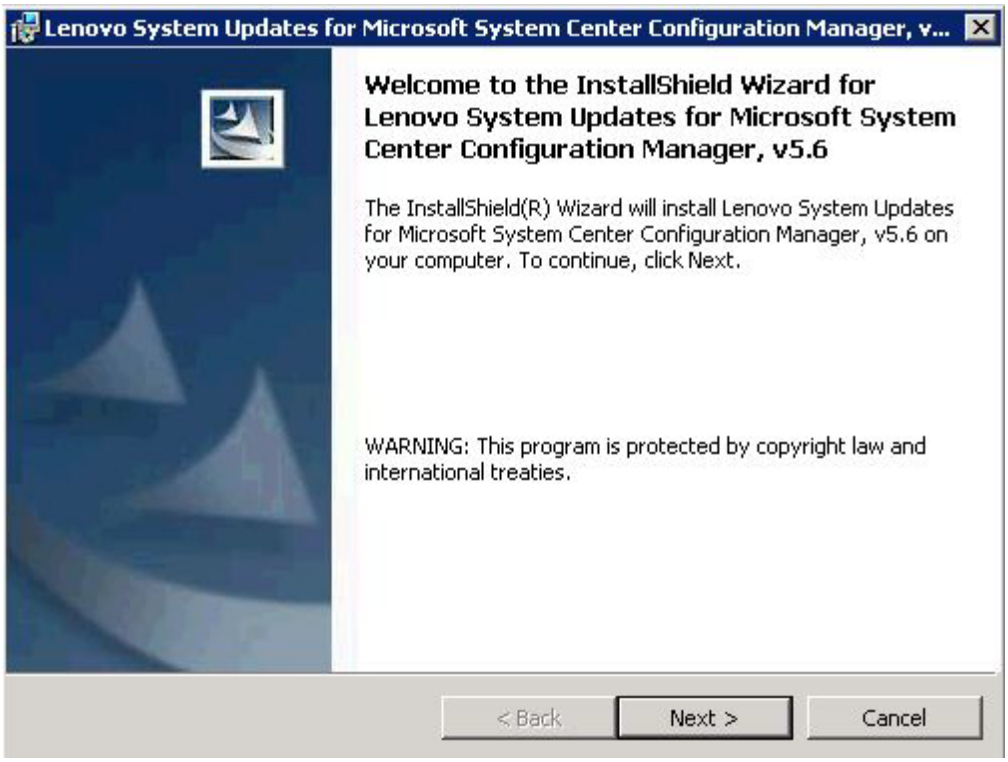

Figure 3. InstallShield Wizard Welcome page for Lenovo System Updates

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

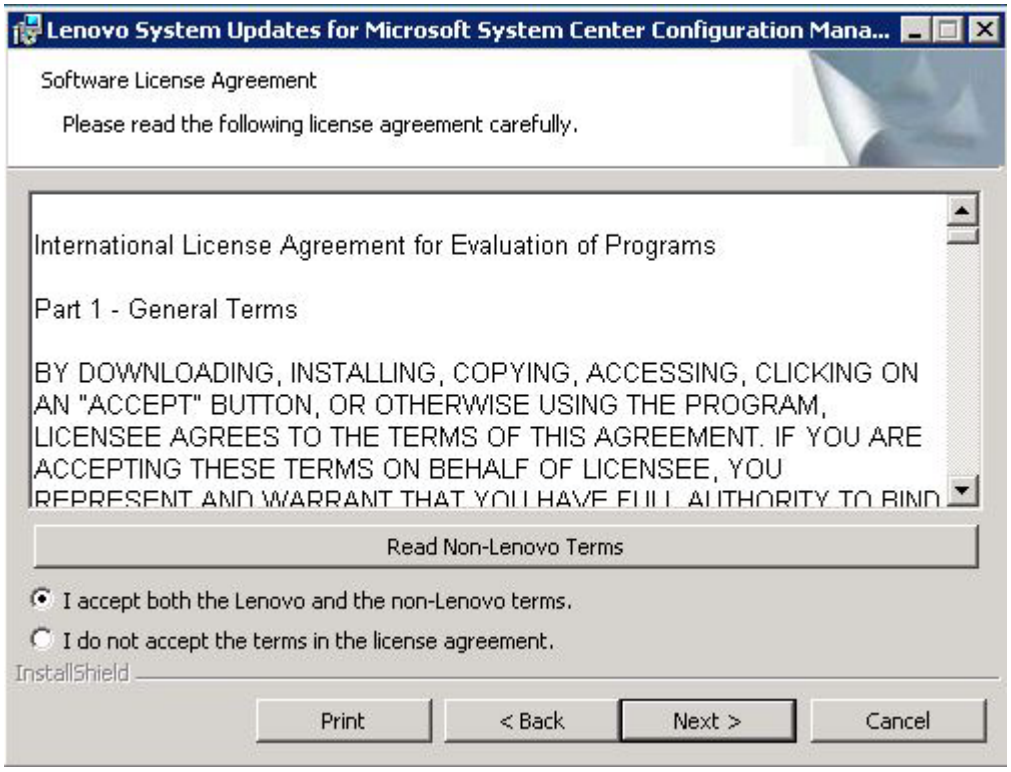

Figure 4. Software License agreement

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.

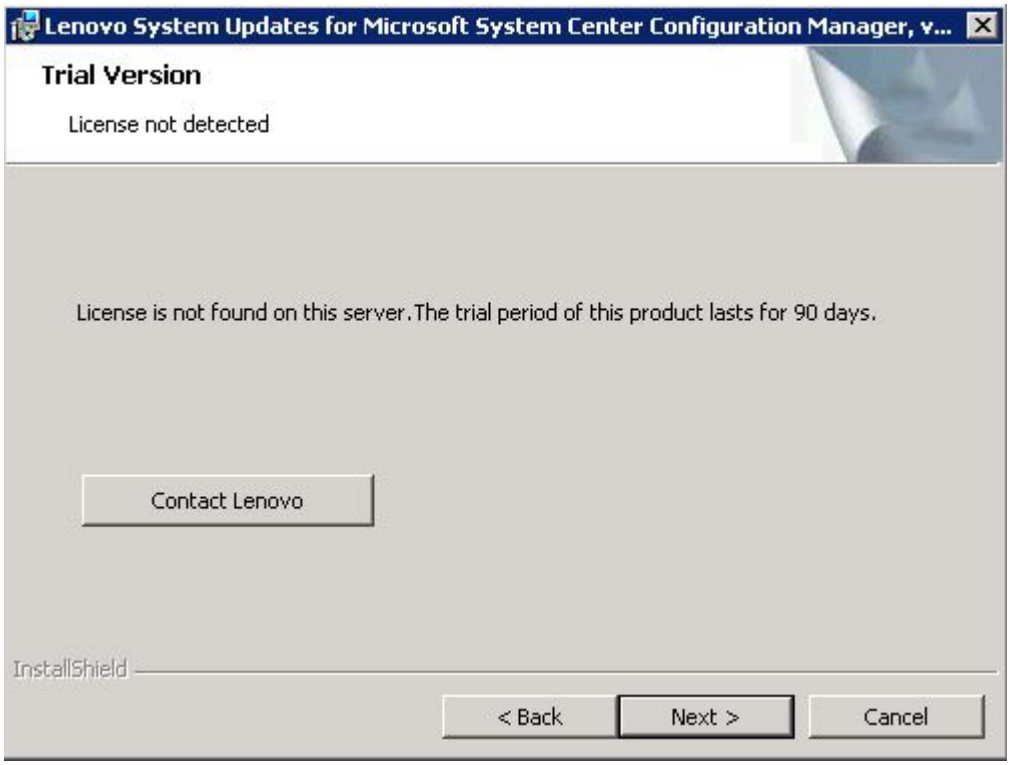

Figure 5. Trial Version page

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

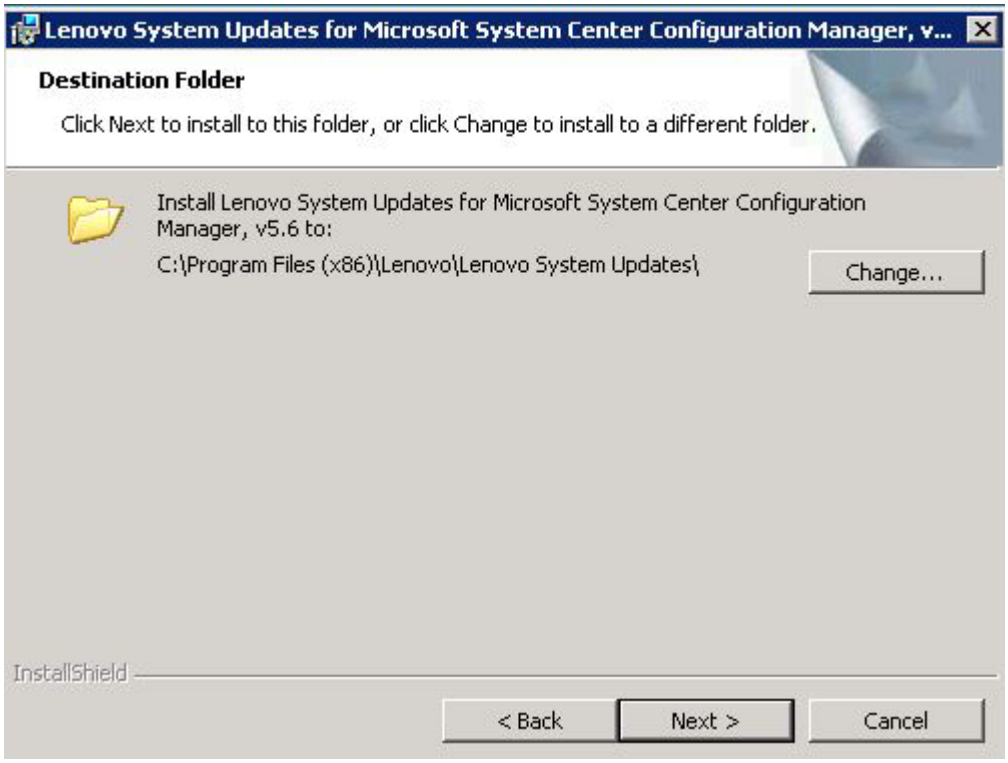

Figure 6. Destination Folder

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.

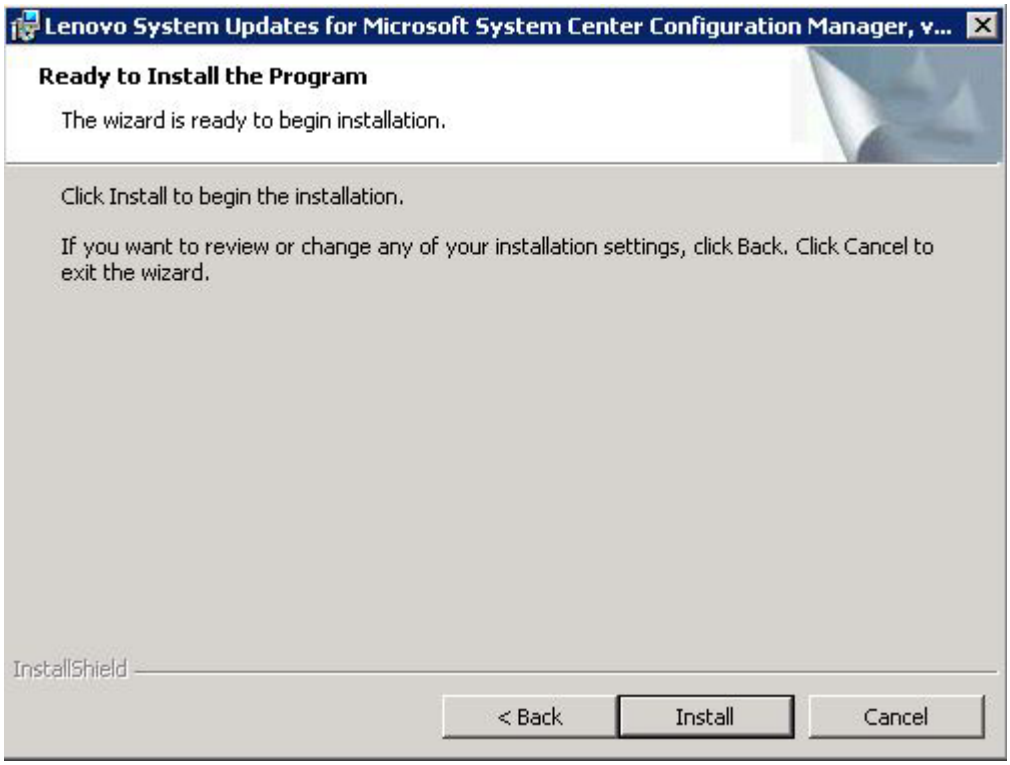

Figure 7. Ready to Install the Program

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

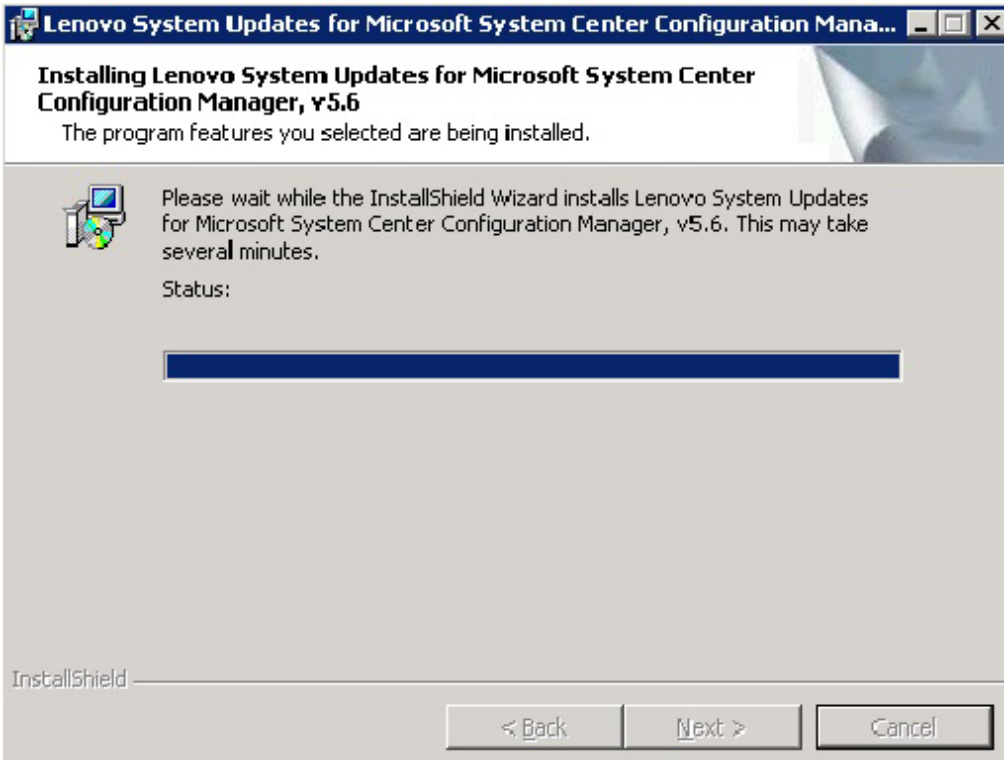

Figure 8. Installation progress

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.

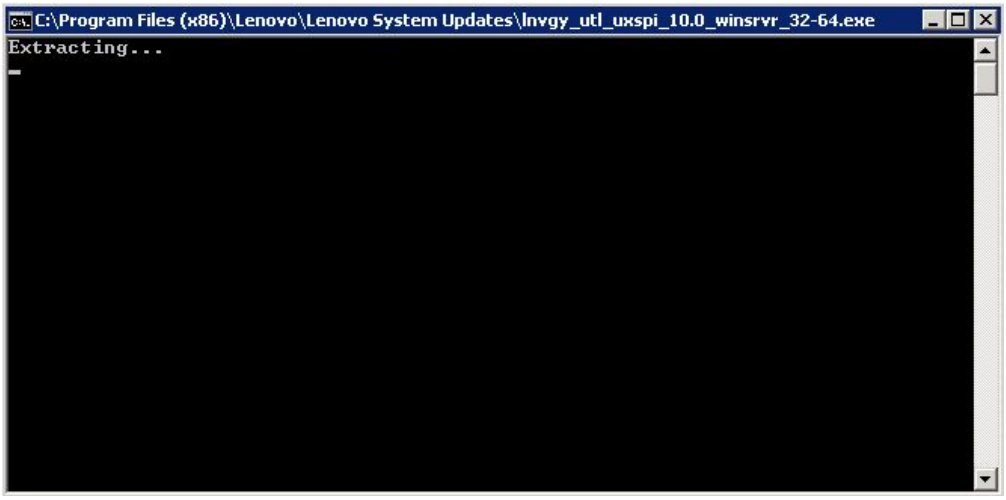

Figure 9. Extraction of Installation files

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

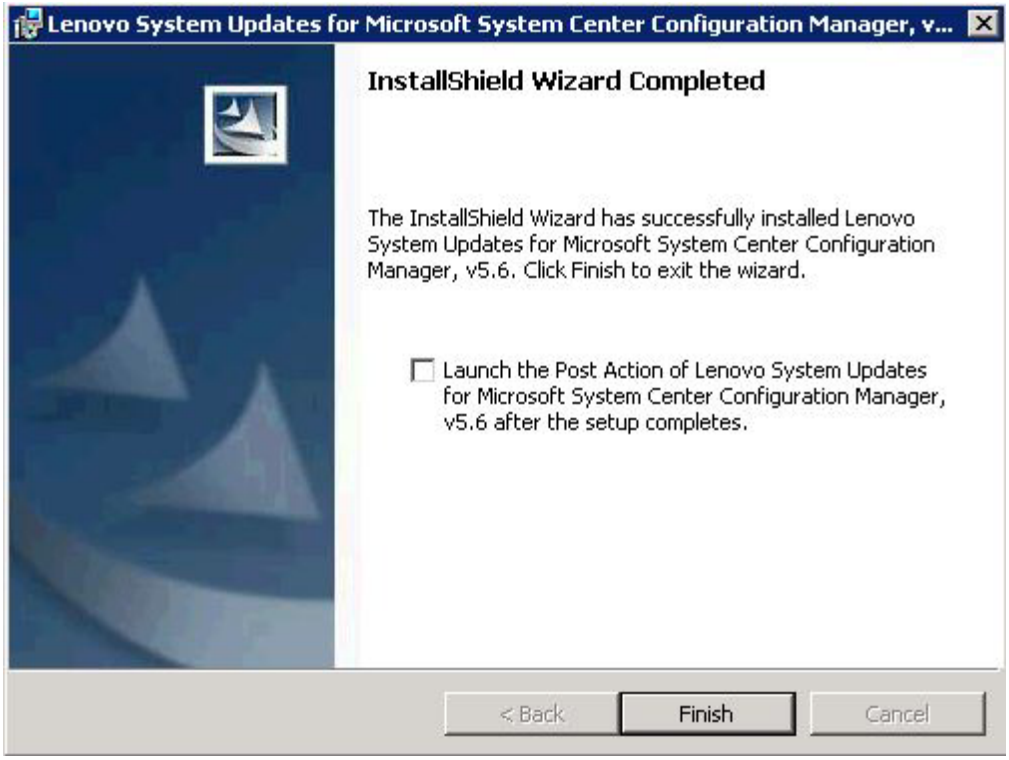

Figure 10. InstallShield Wizard Completed

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 2014. Portions © IBM Corp. 2014.

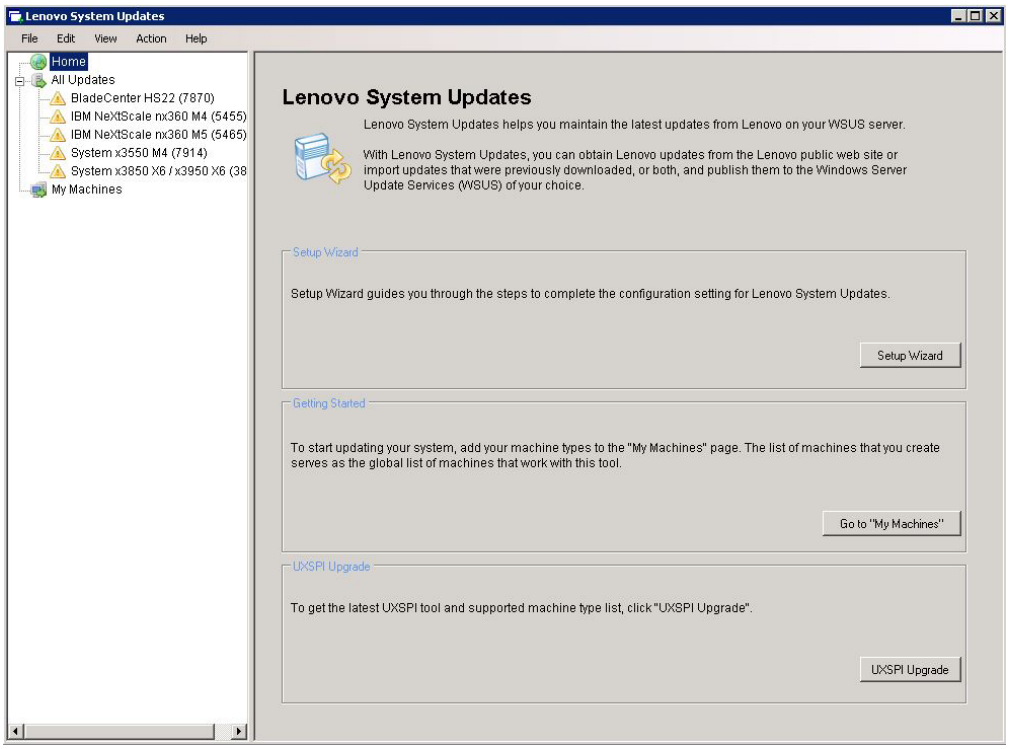

Figure 11. Home view

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:

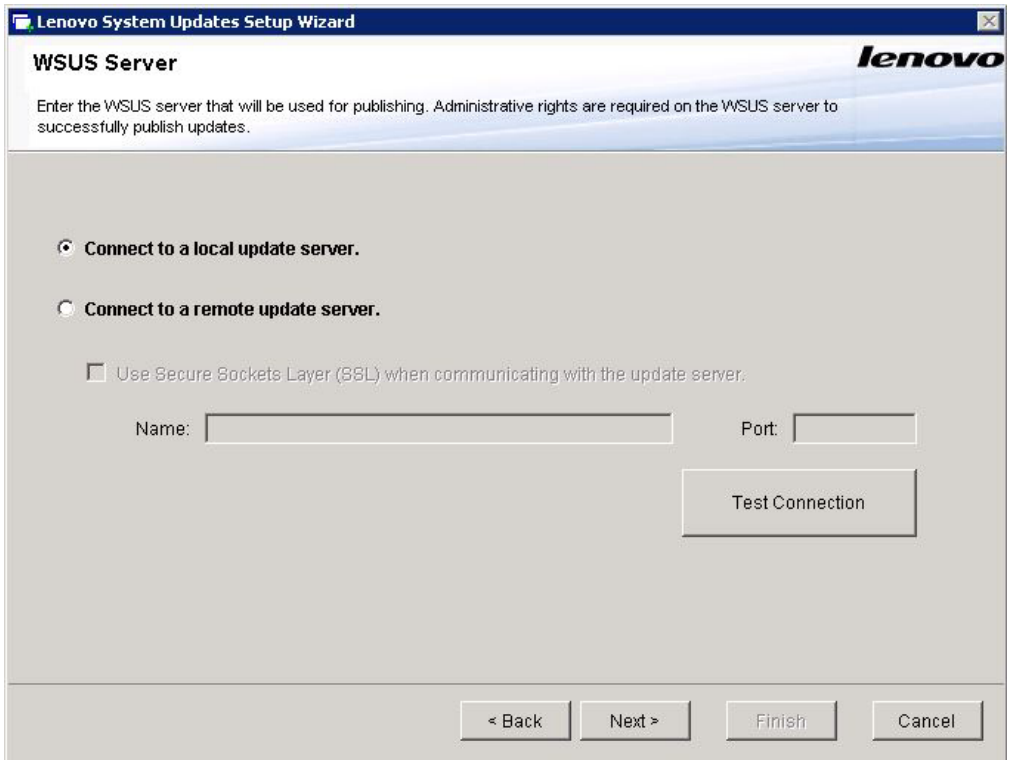

Figure 12. System Updates Setup Wizard for the WSUS server

   - 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**.

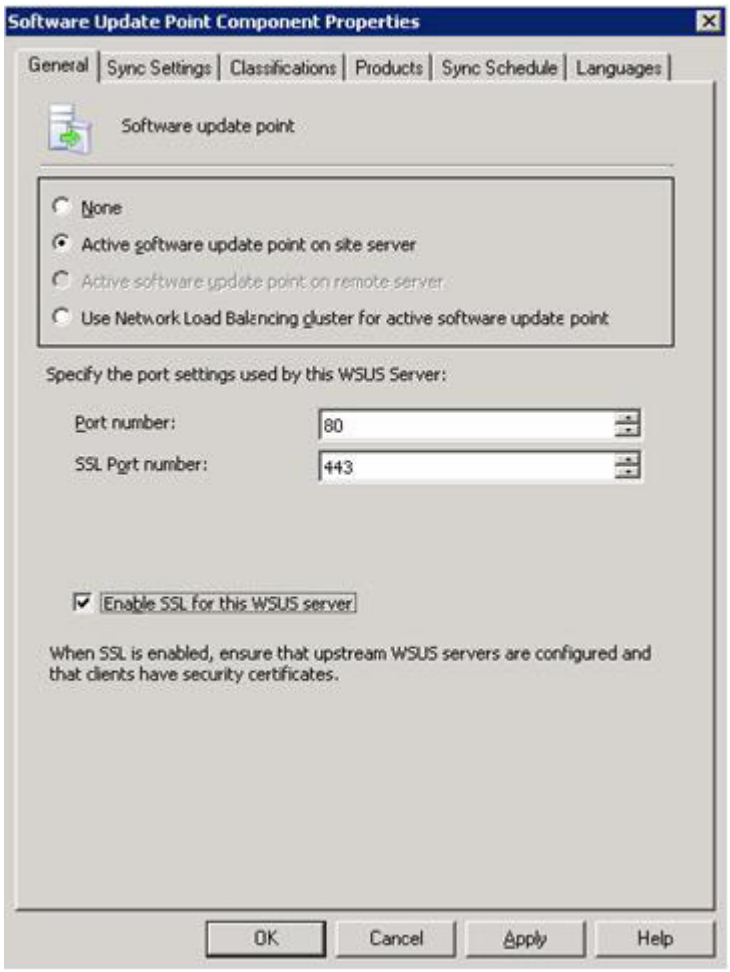

Figure 13. Software Update Point Component Properties (SCCM 2007)

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

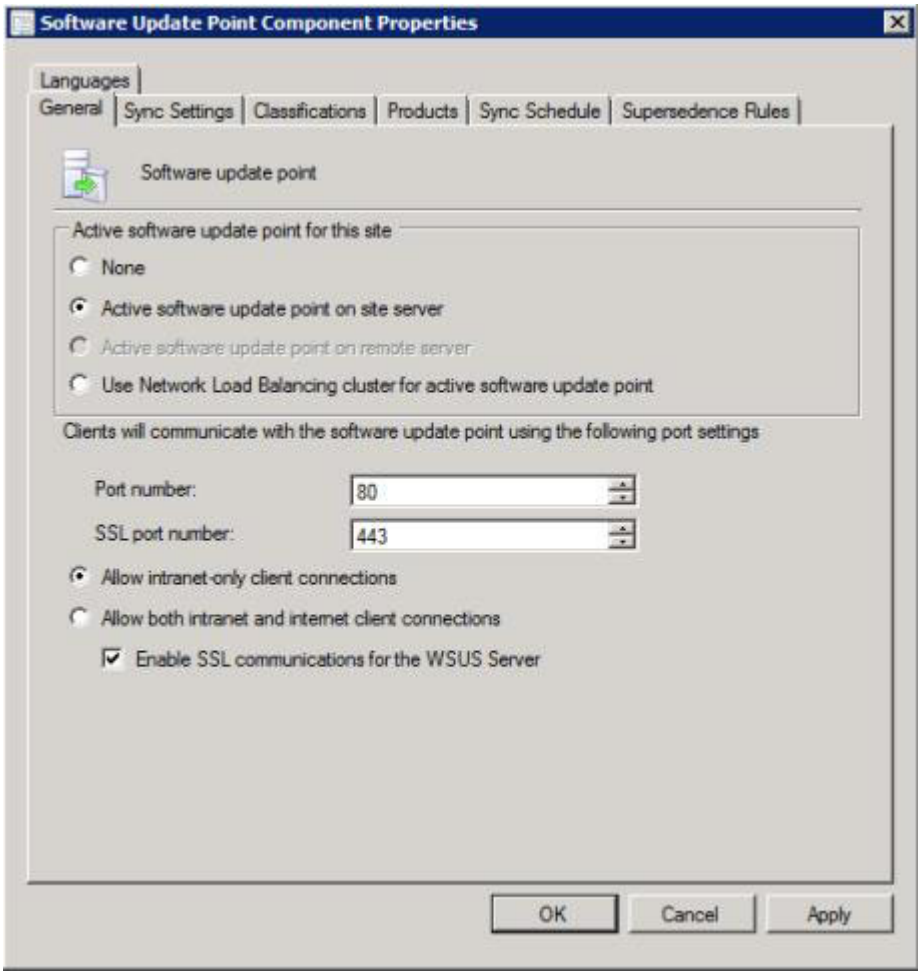

Figure 14. Software Update Point Component Properties (SCCM 2012)

.

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.

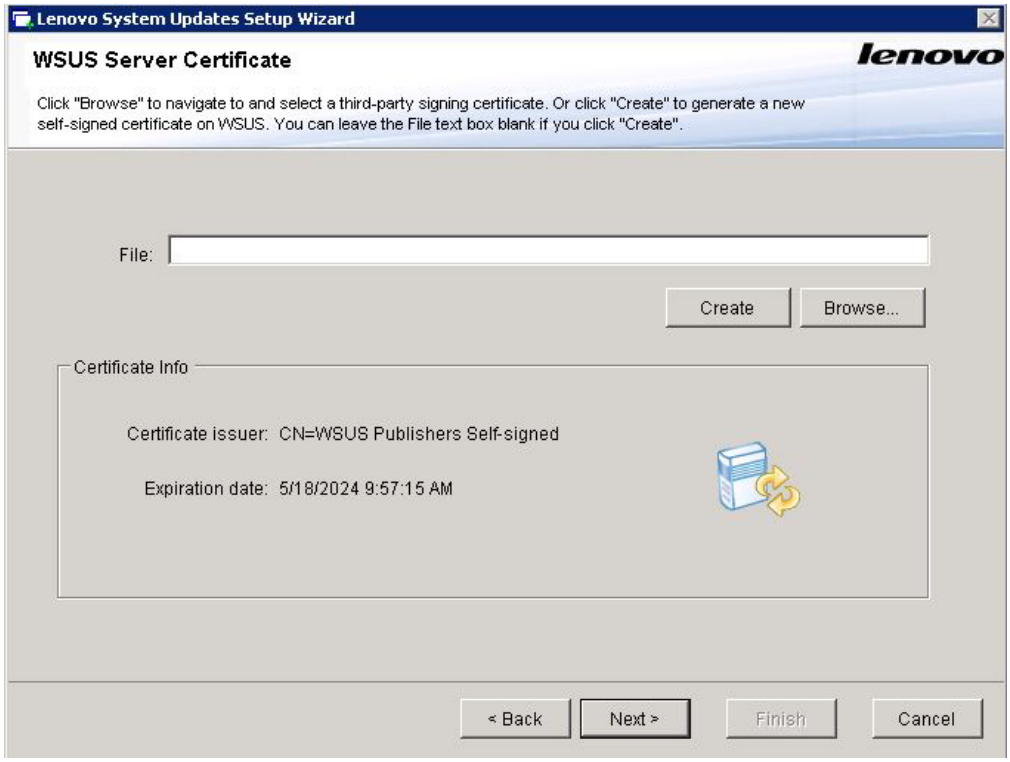

Figure 15. WSUS Server Certificate

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**.

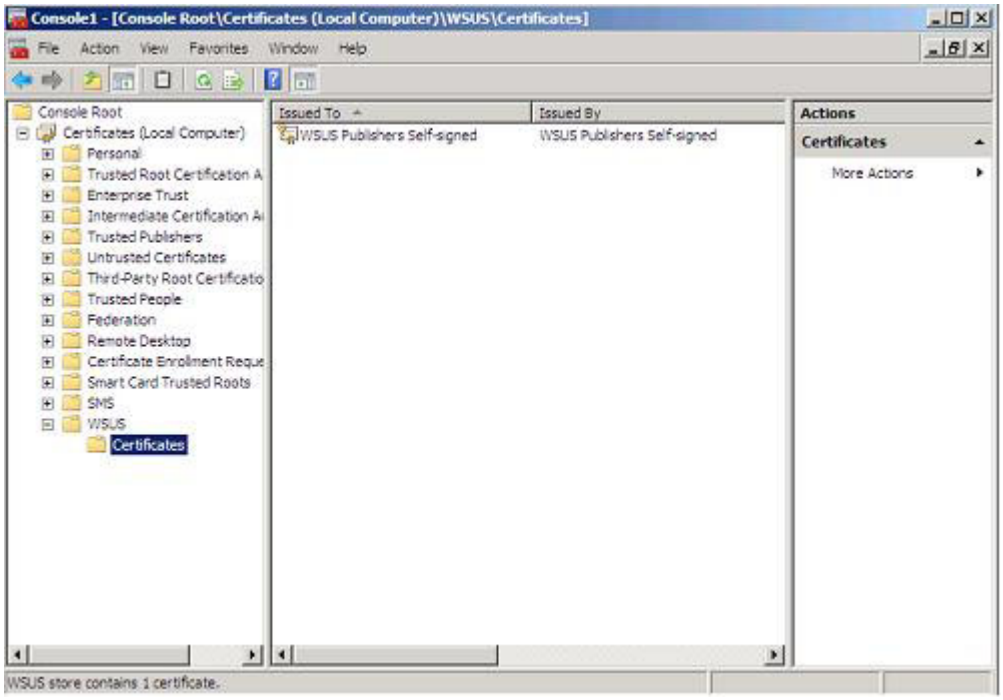

Figure 16. Console 1 - WSUS Certificates

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

1. 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**.
10. 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:

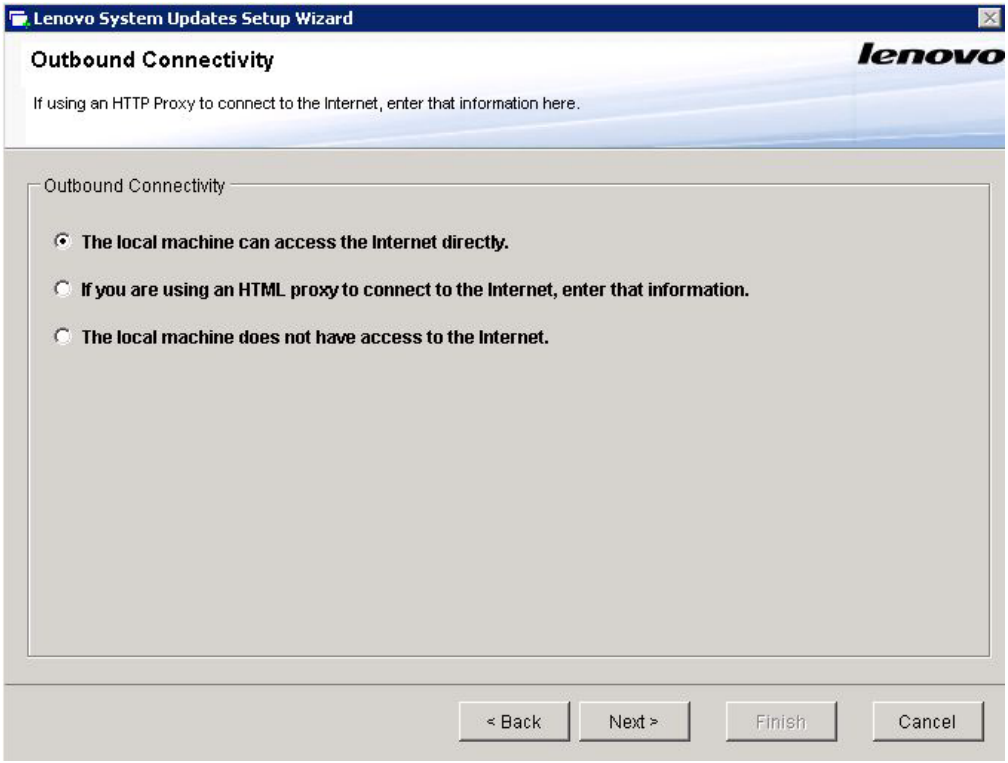

Figure 17. Outbound Connectivity

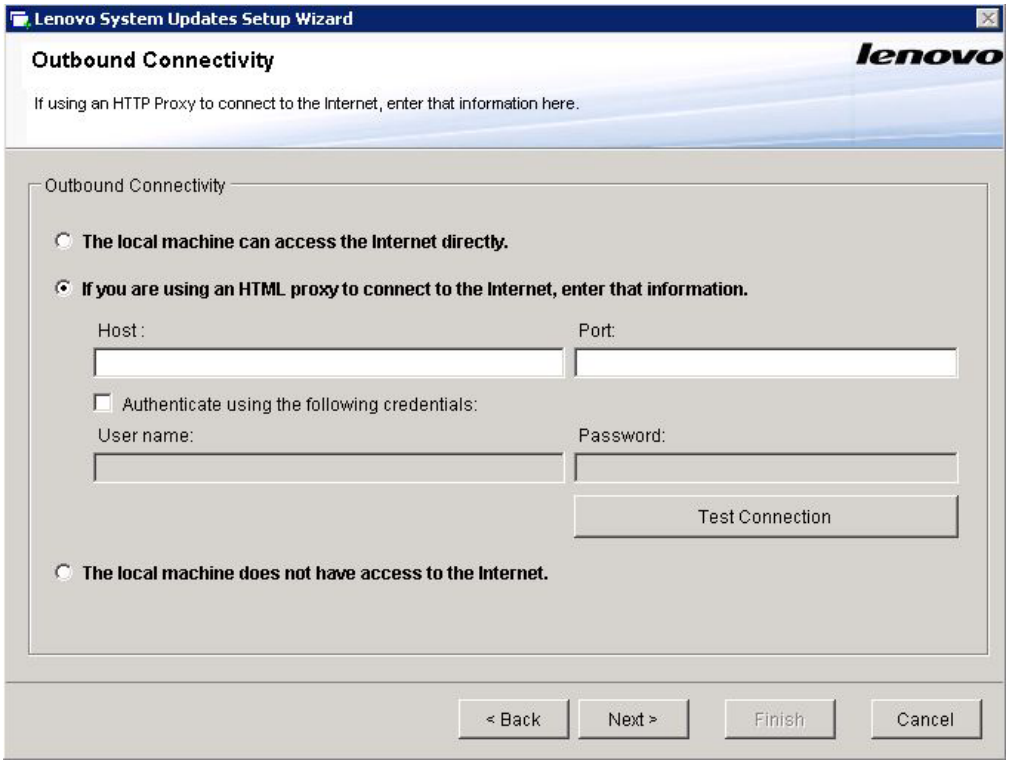

Figure 18. HTTP Proxy

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.

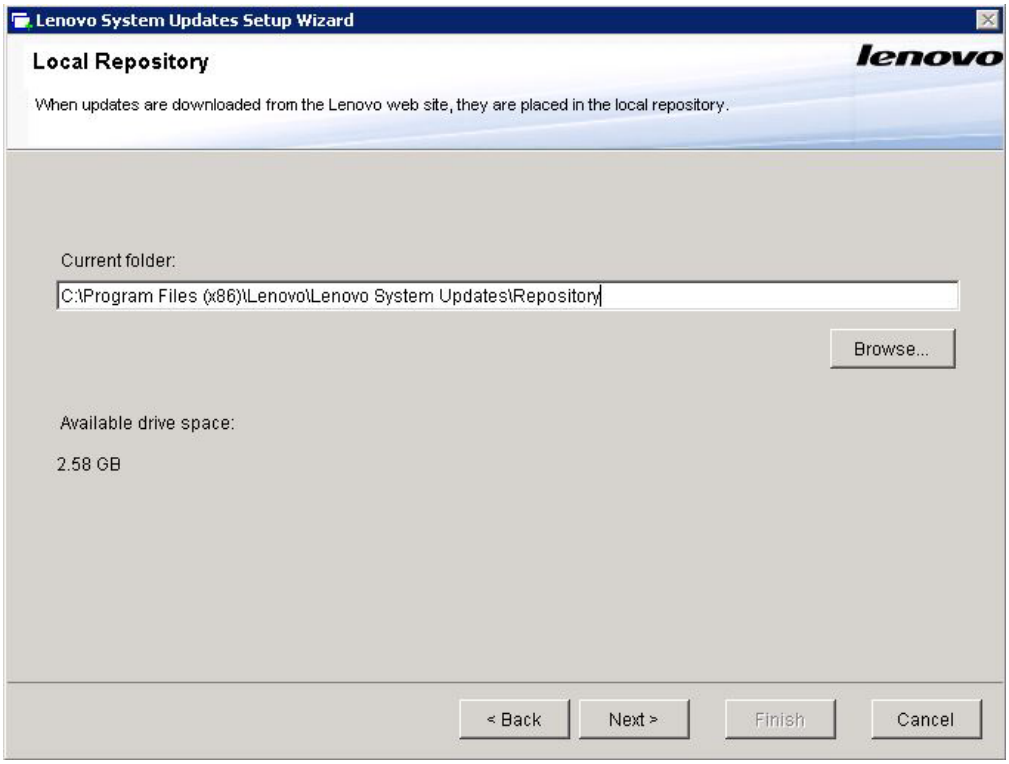

Figure 19. Local Repository

2. Click **Next**. The Confirm Setup page opens.

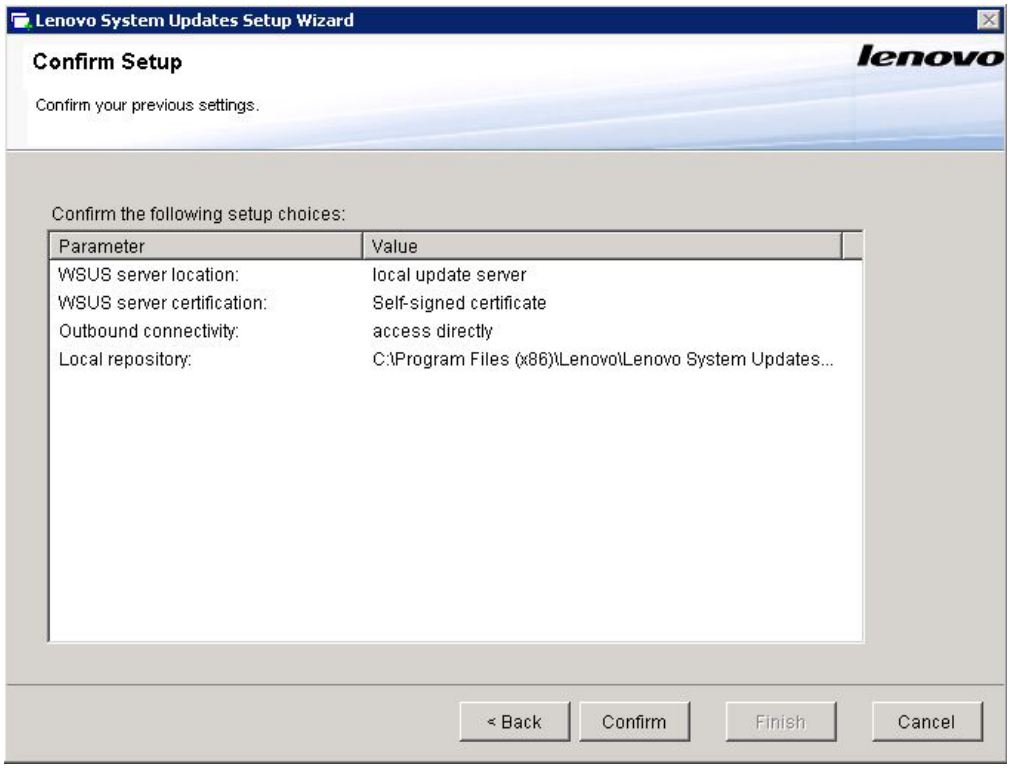

Figure 20. Confirm Setup

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

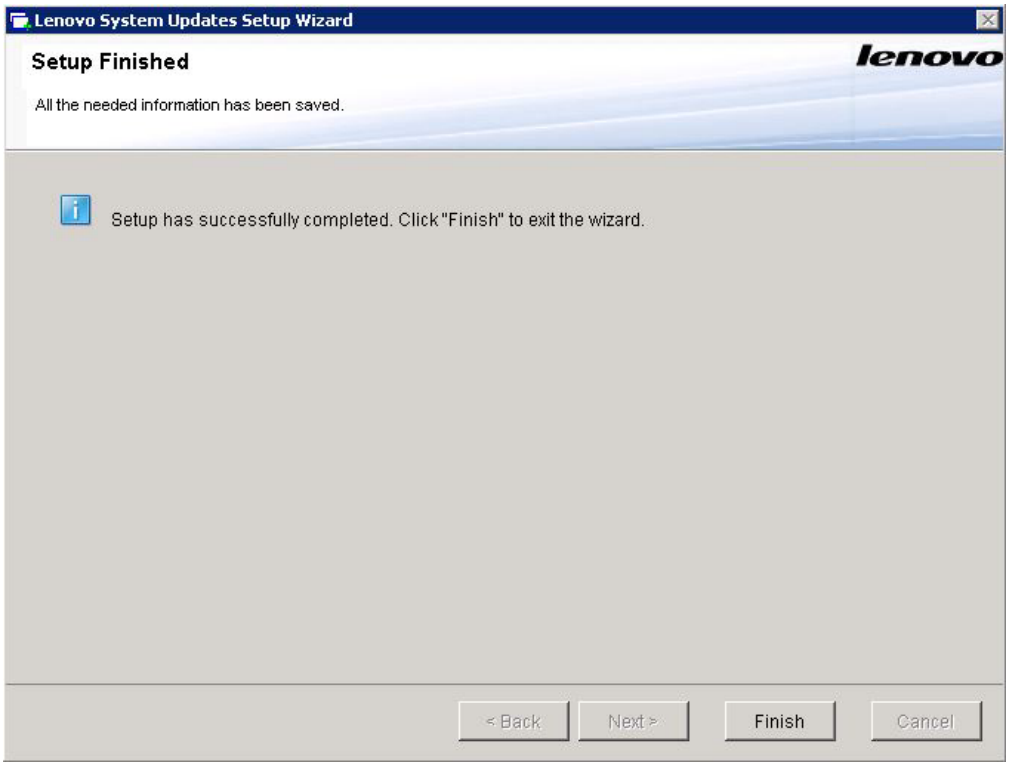

Figure 21. Setup Finished

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.

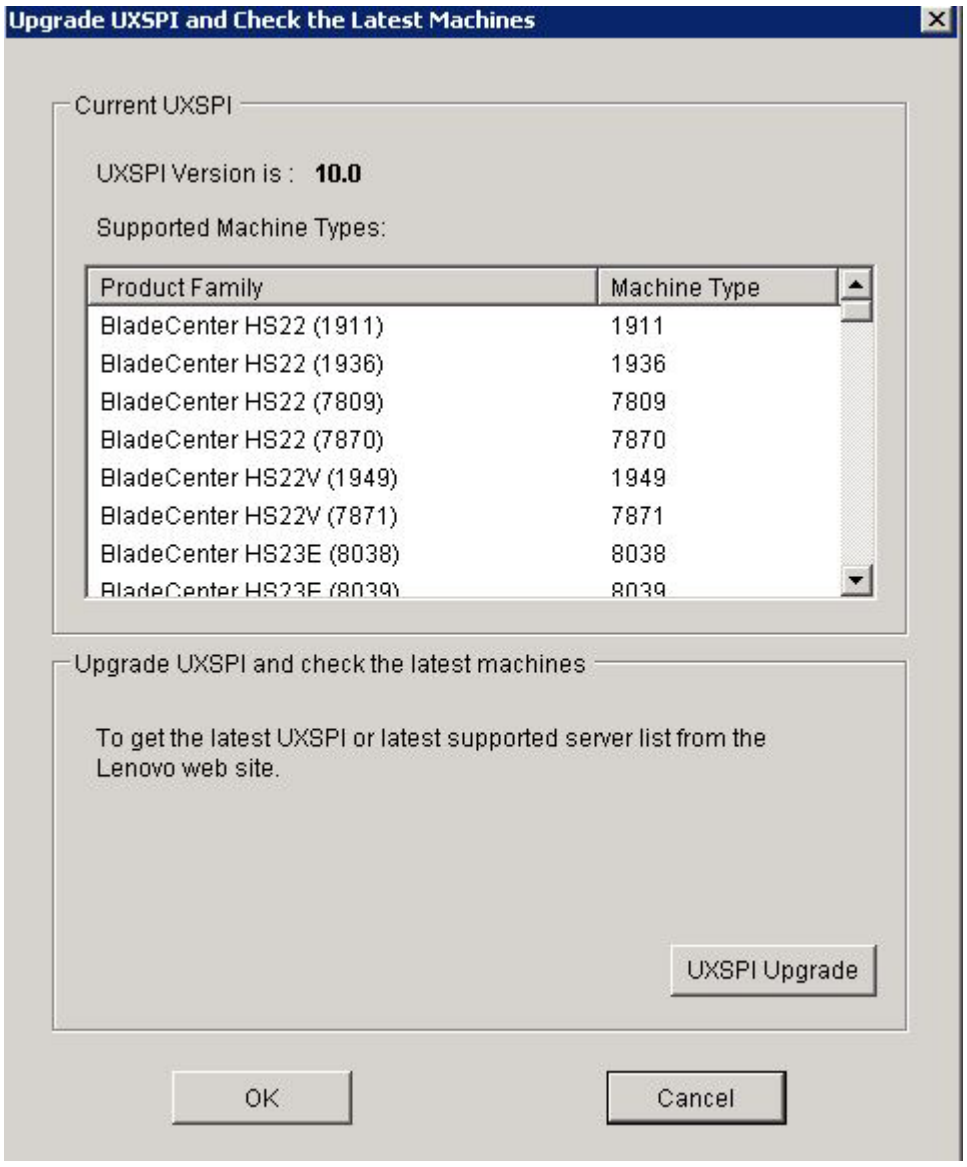

Figure 22. Upgrade UXSPI and check for the latest machine list

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

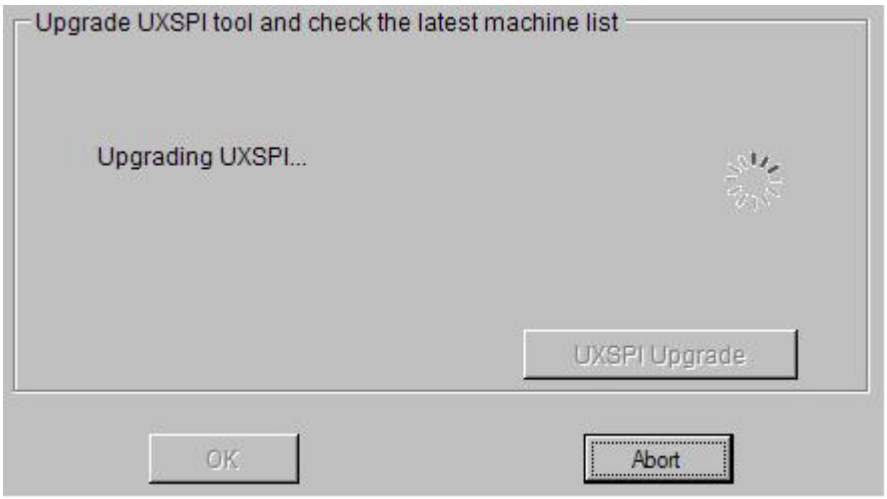

Figure 23. Upgrade UXSPI tool progress window

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.

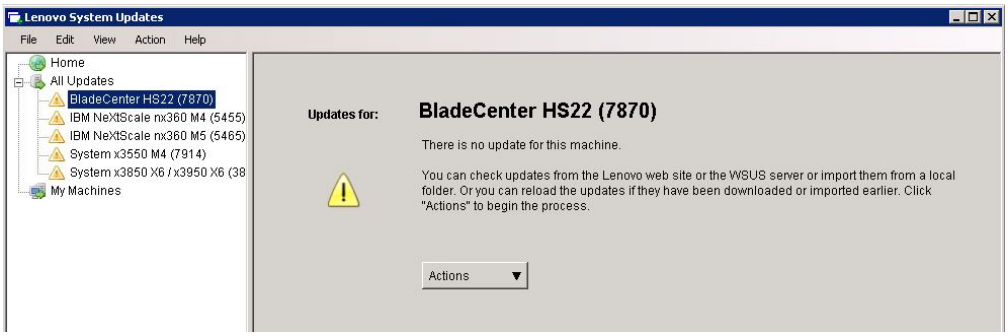

Figure 24. All Updates view with an example of no updates

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.

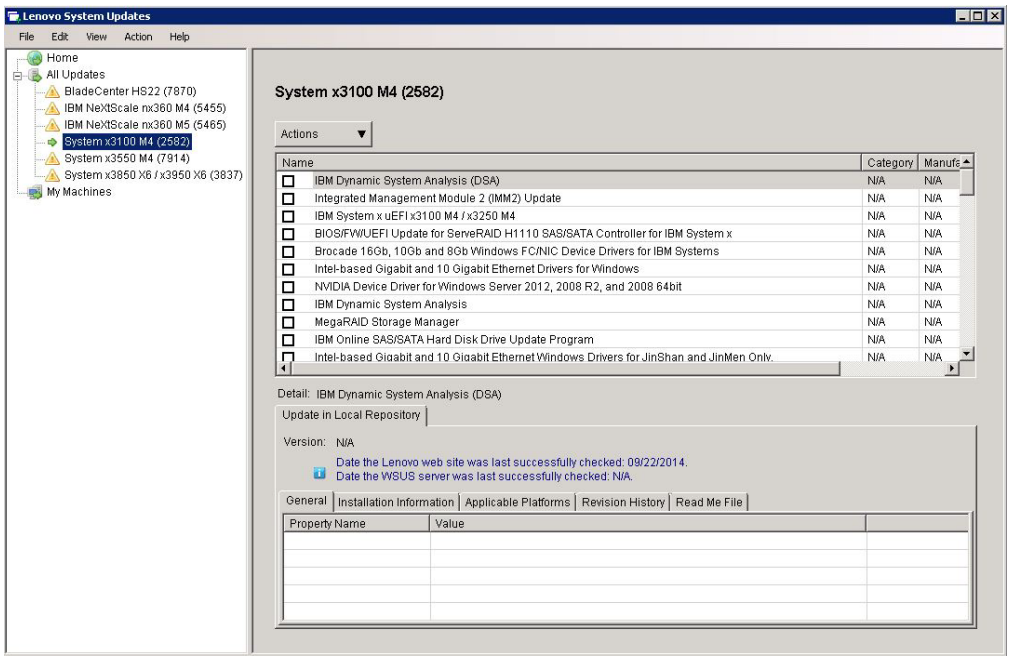

Figure 25. All Updates view example of an update for System x3100 M4

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.

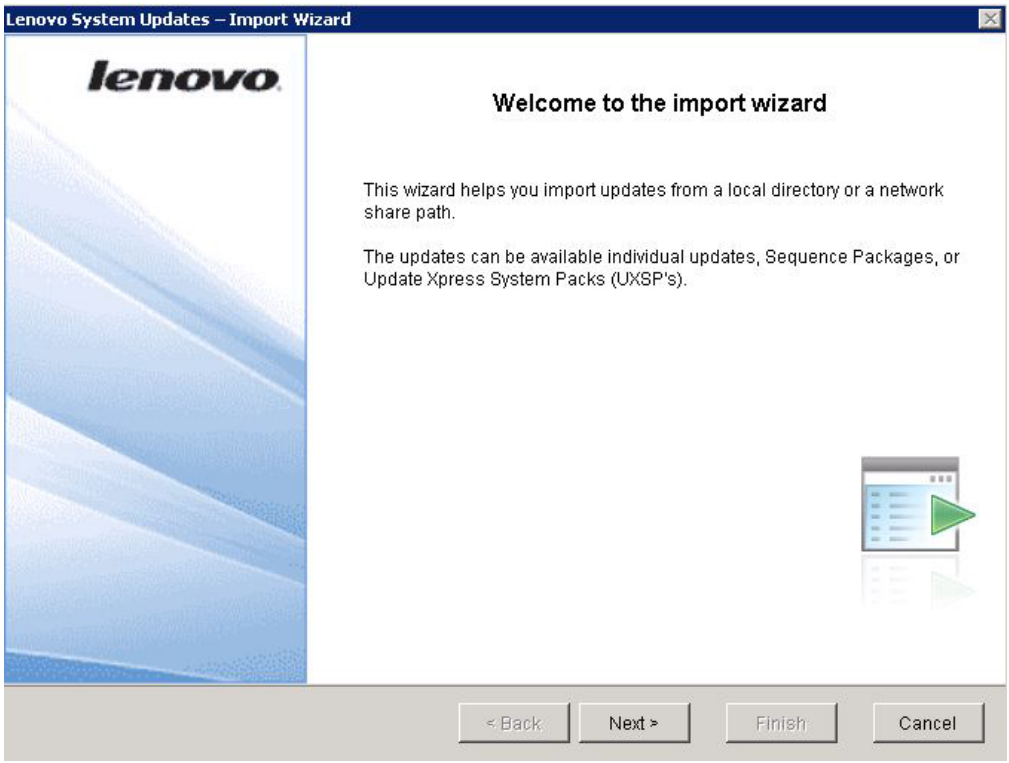

Figure 26. Import Wizard Welcome

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

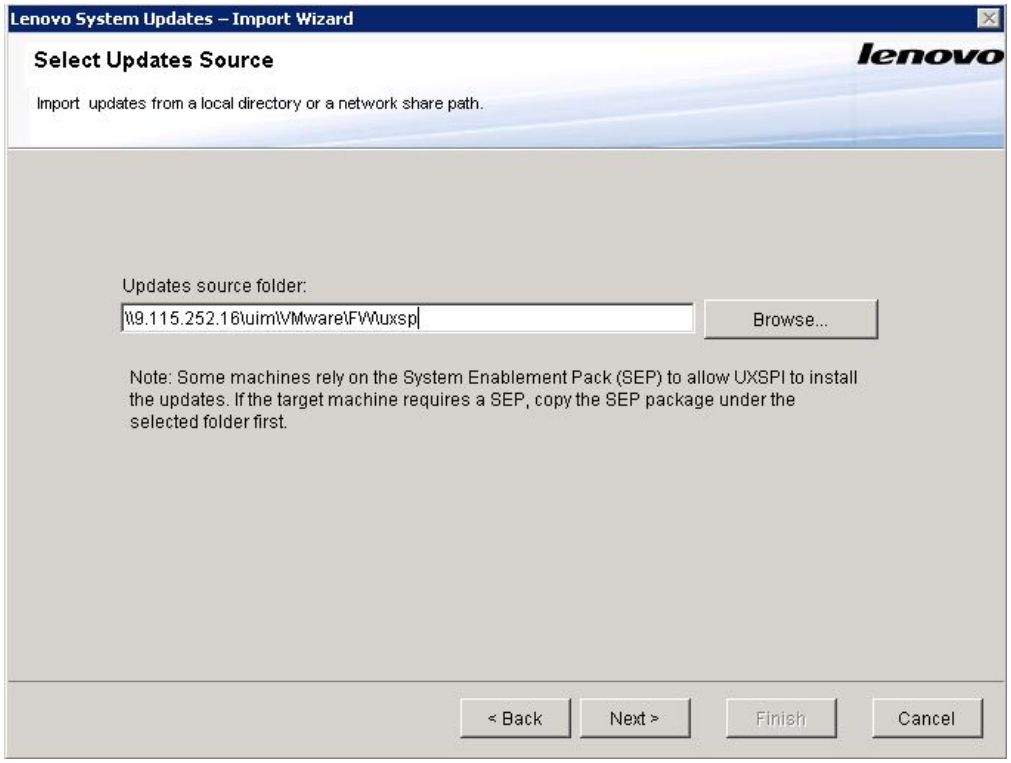

Figure 27. Select Updates Source

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.

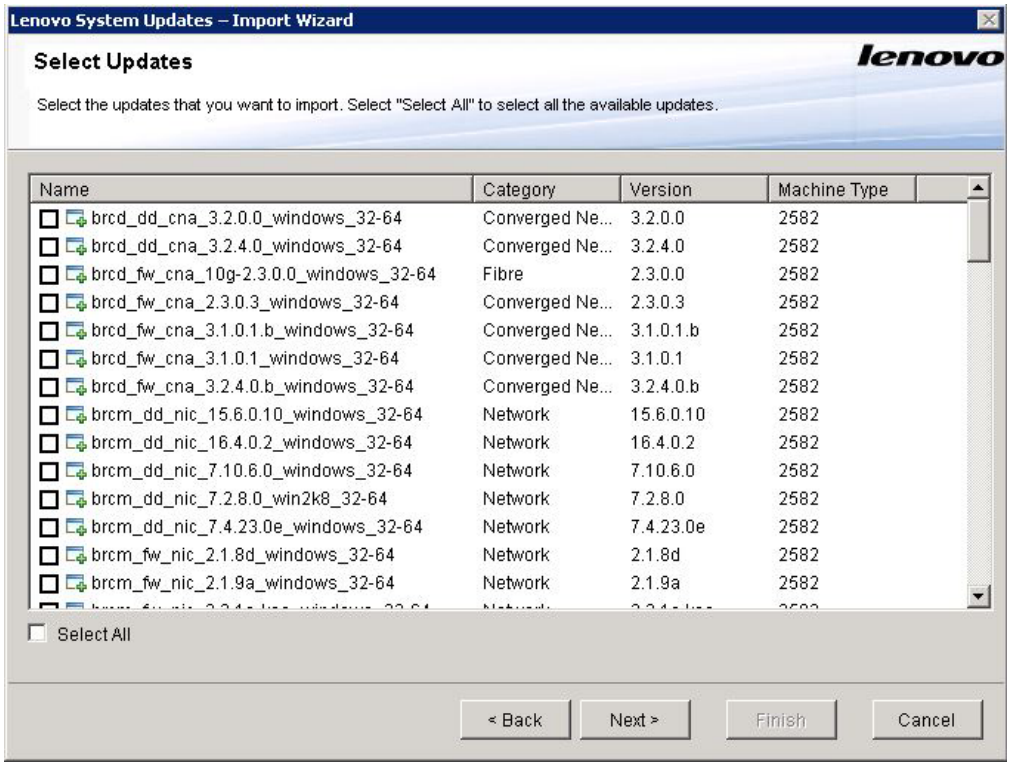

Figure 28. Select Updates

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.

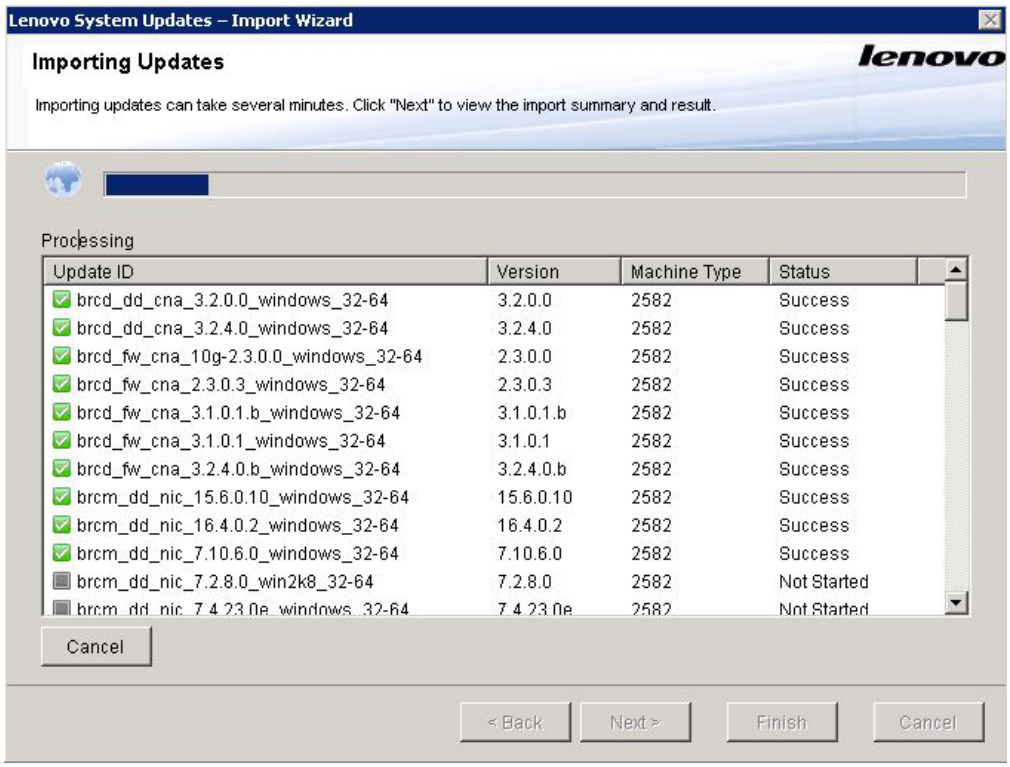

Figure 29. Importing Updates

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.

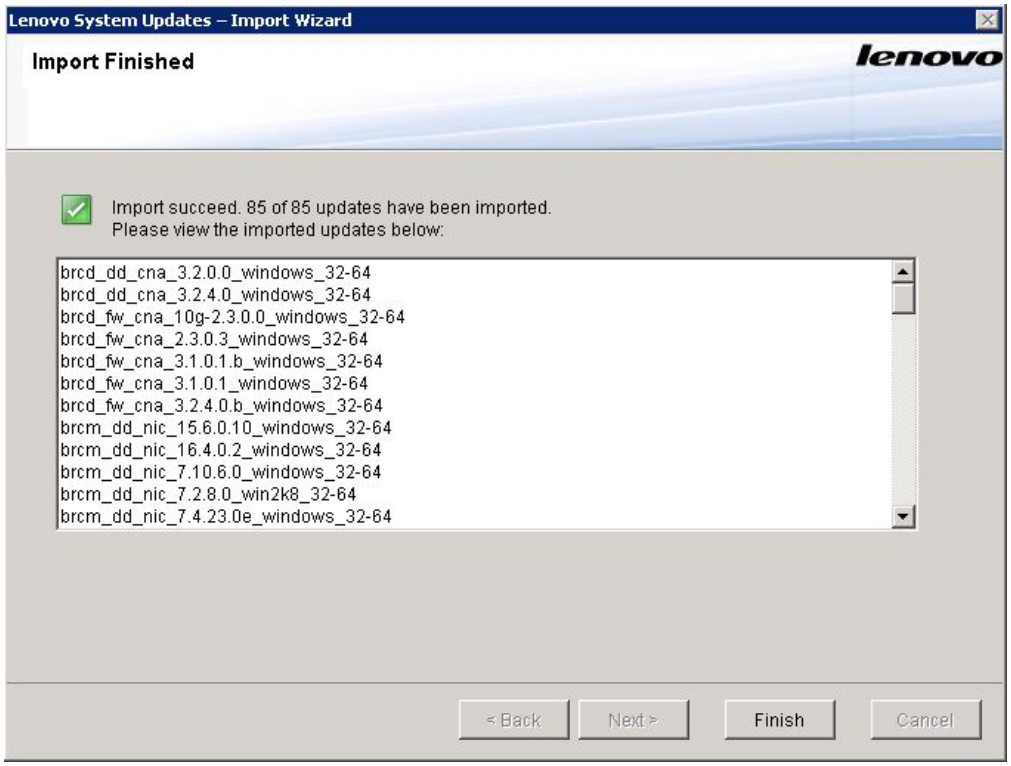

Figure 30. Import Finished

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

1. 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.

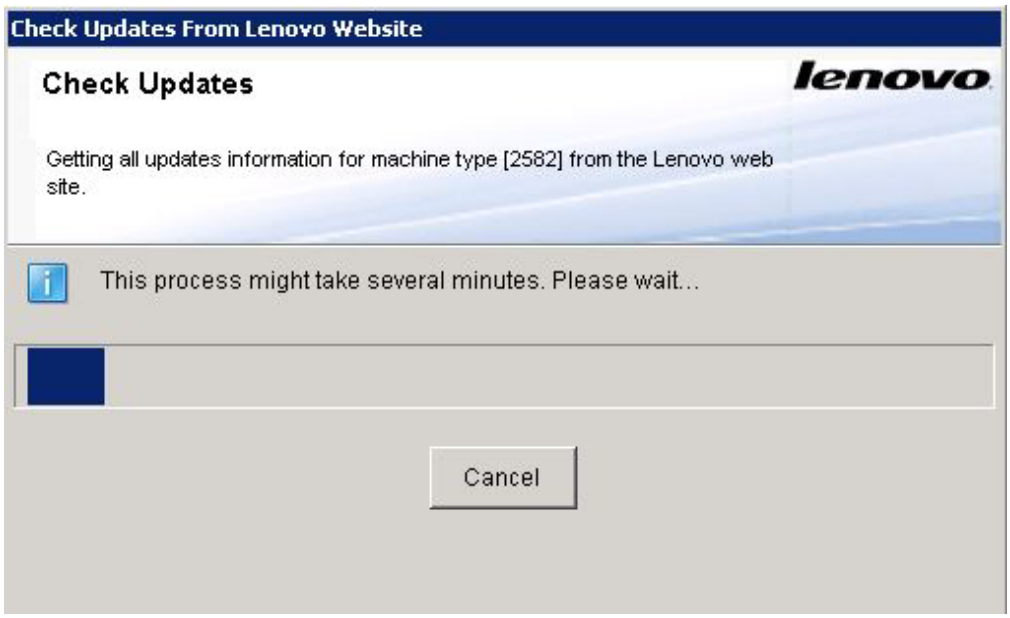

Figure 31. Check all updates from the Lenovo website

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.

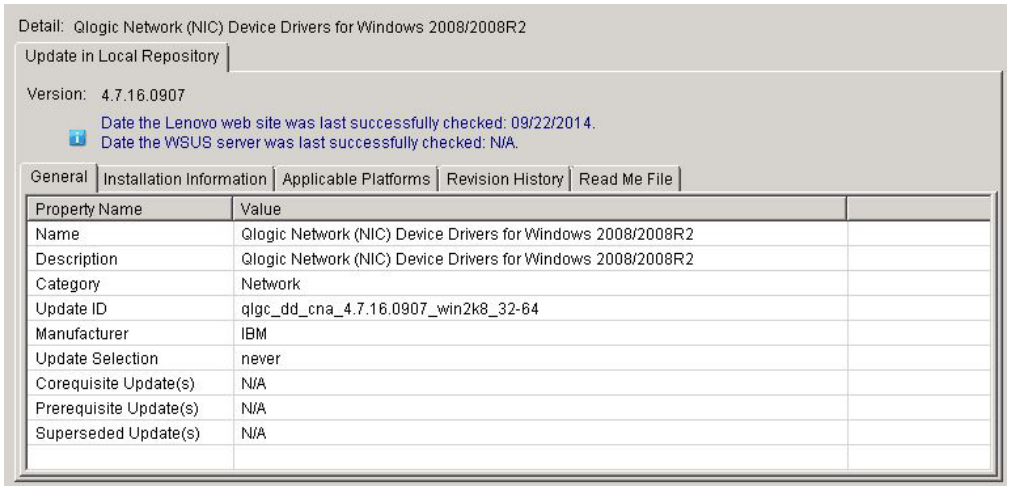

Figure 32. Updates view with the **General** *tab detail information*

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)

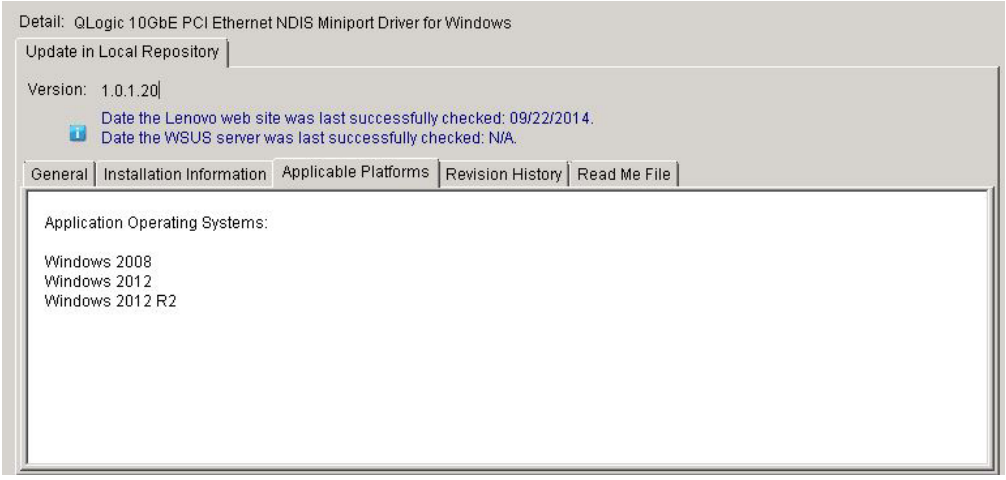

Figure 33. Updates view of the **Applicable Platforms** *tab*

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.

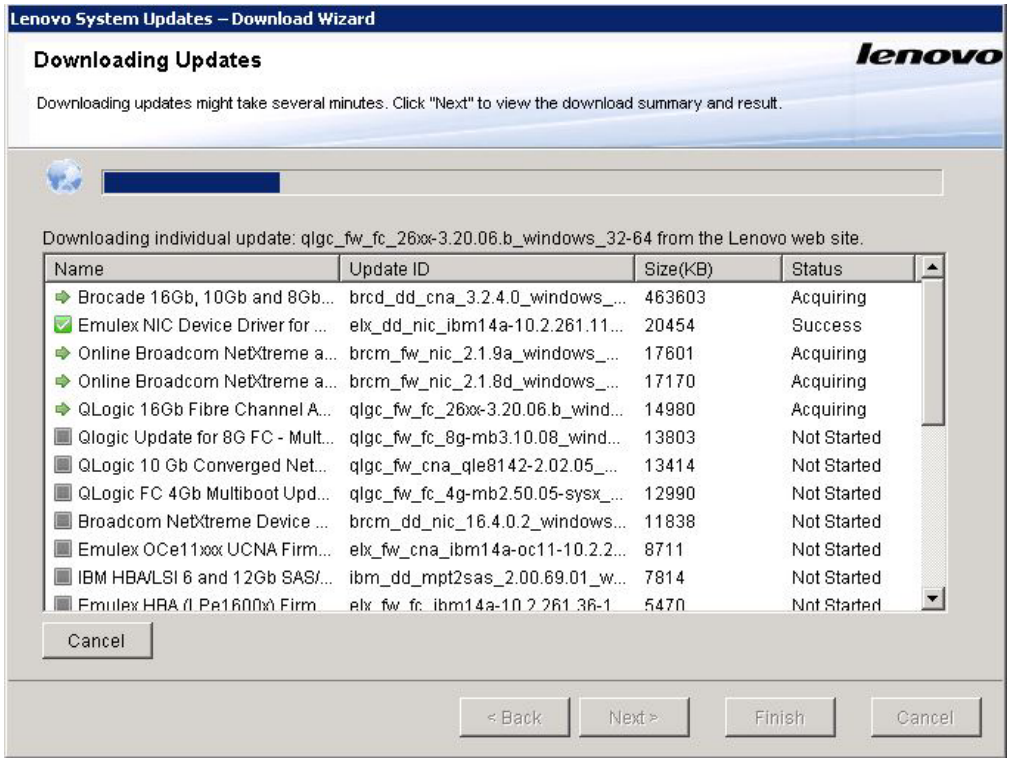

Figure 34. Downloading Updates

   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**.

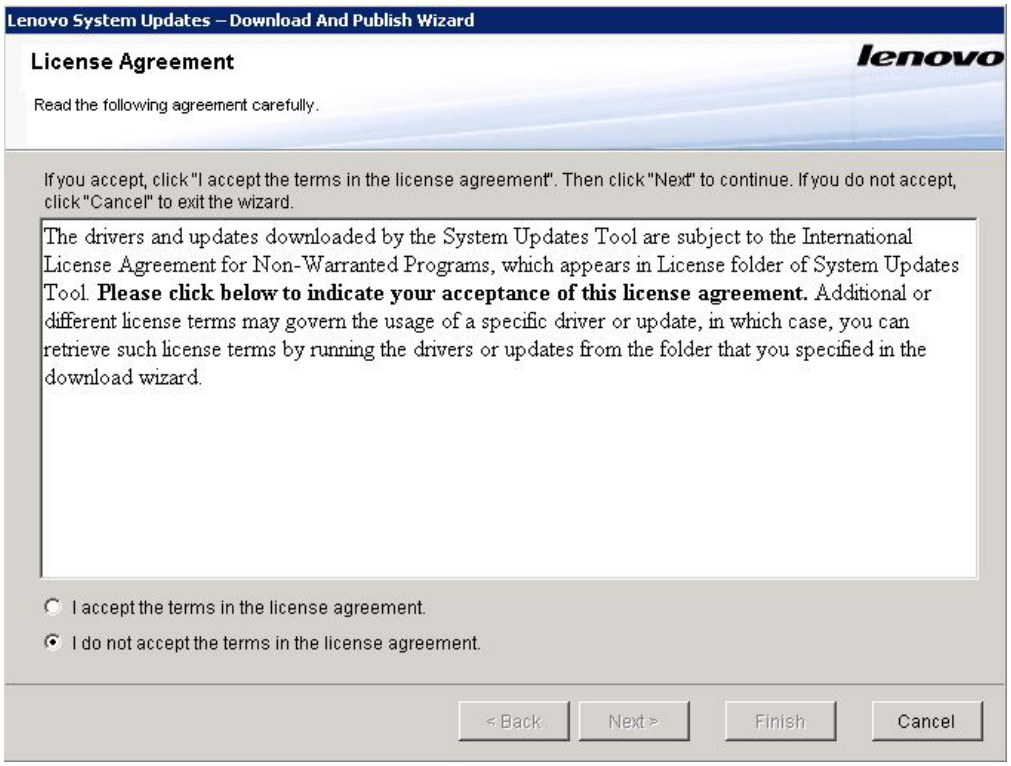

Figure 35. Publish Wizard License Agreement

2. Click **Next** to start downloading updates.
   The downloading updates operation may take several minutes to finish.

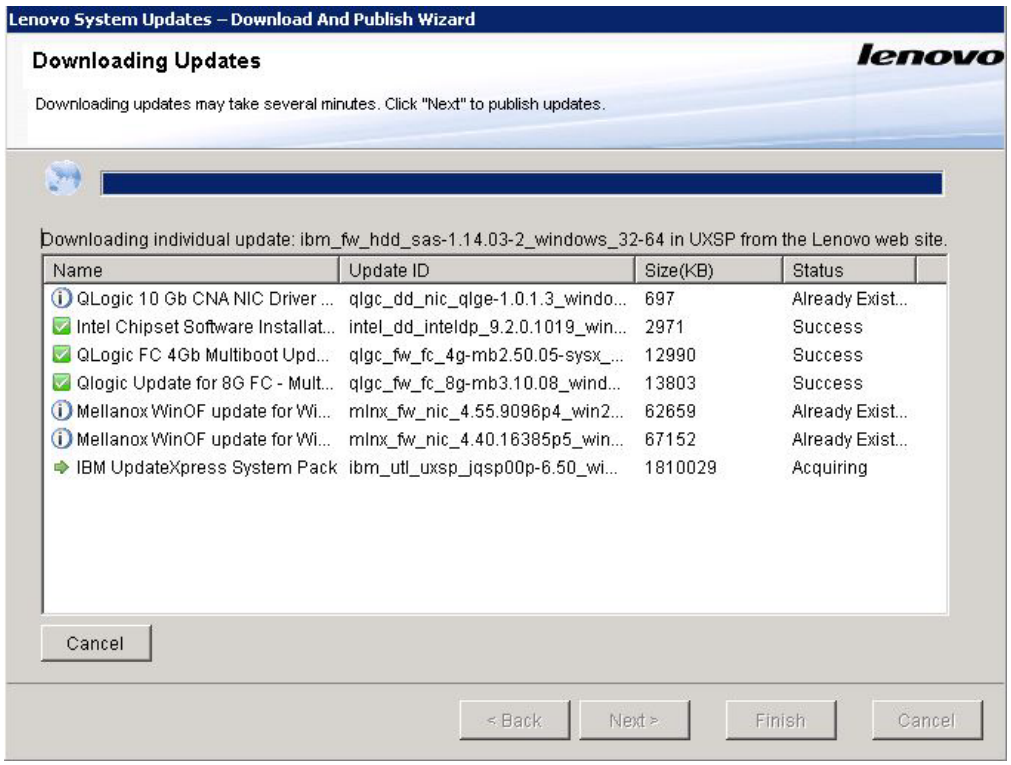

Figure 36. Downloading Updates

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.

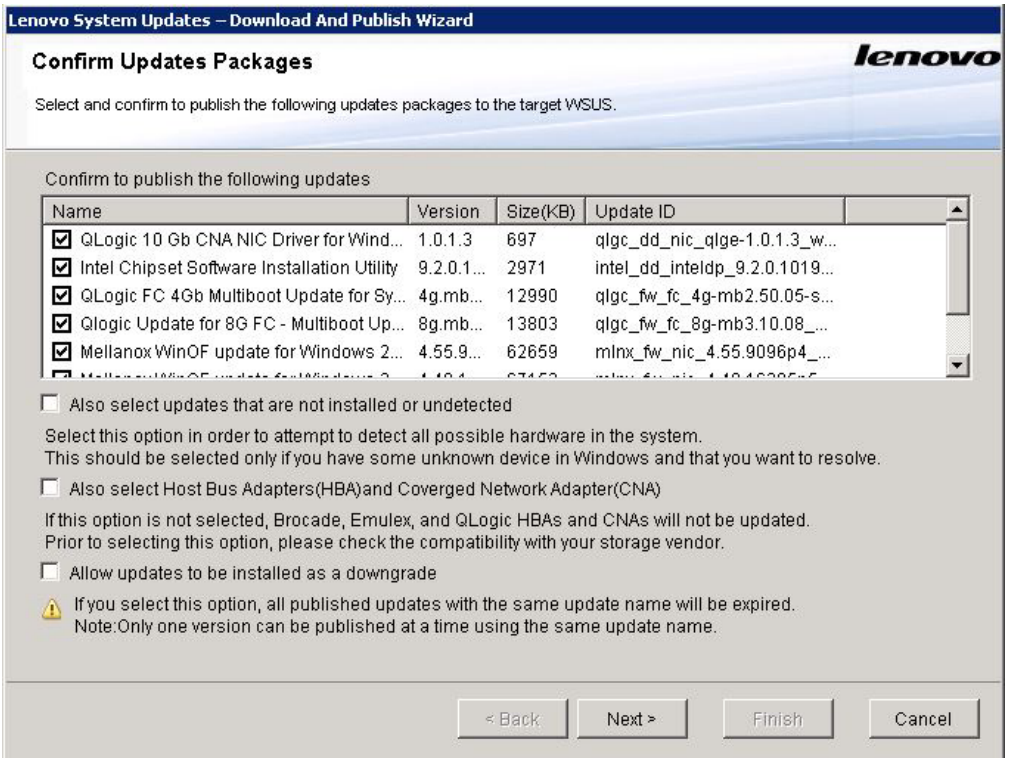

Figure 37. Confirm Updates Packages

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.

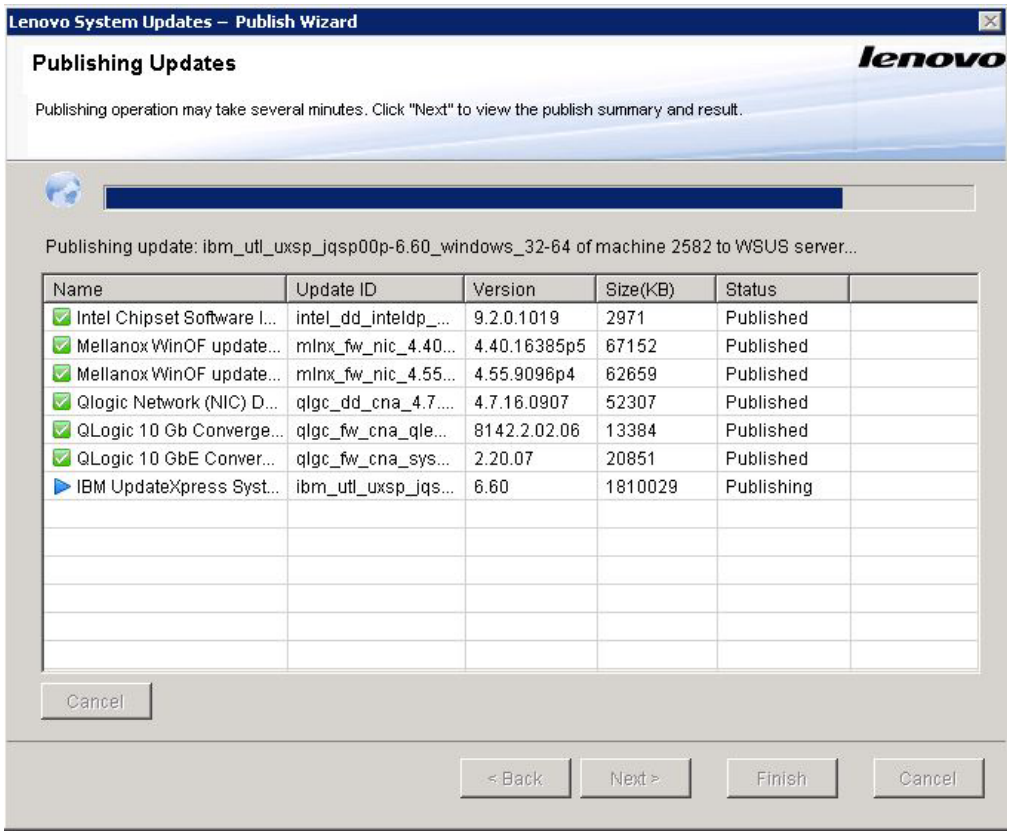

Figure 38. Publishing Updates

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.

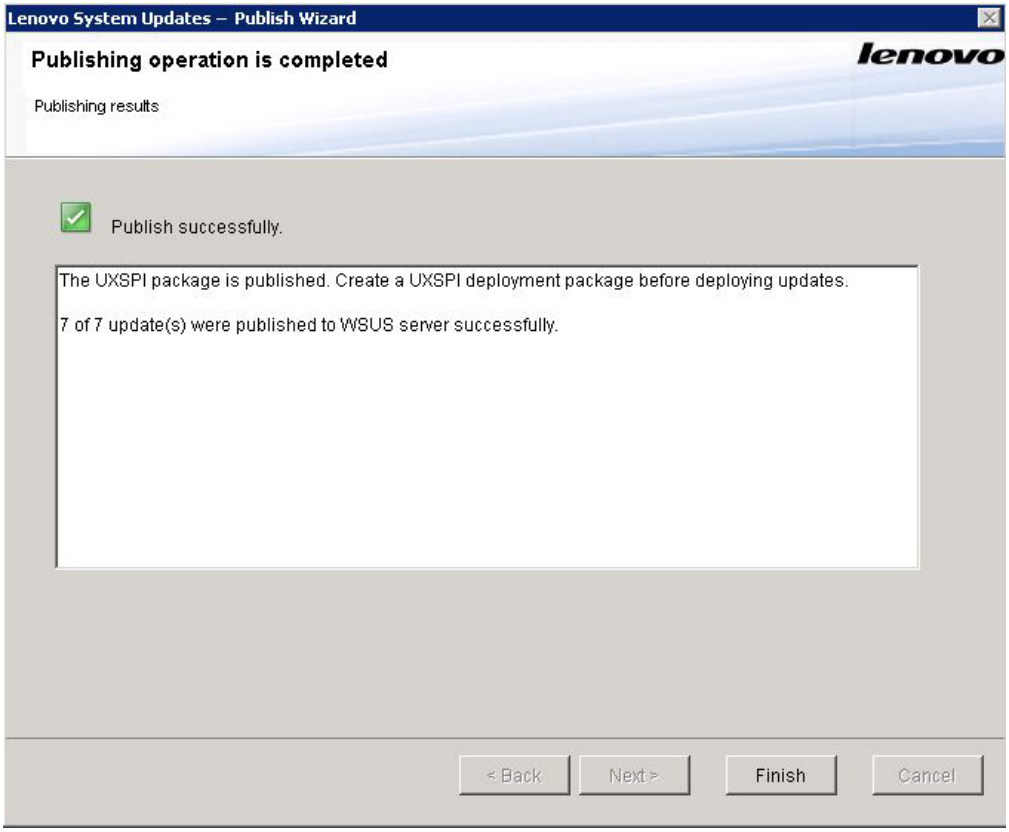

Figure 39. Publish operation is complete

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.

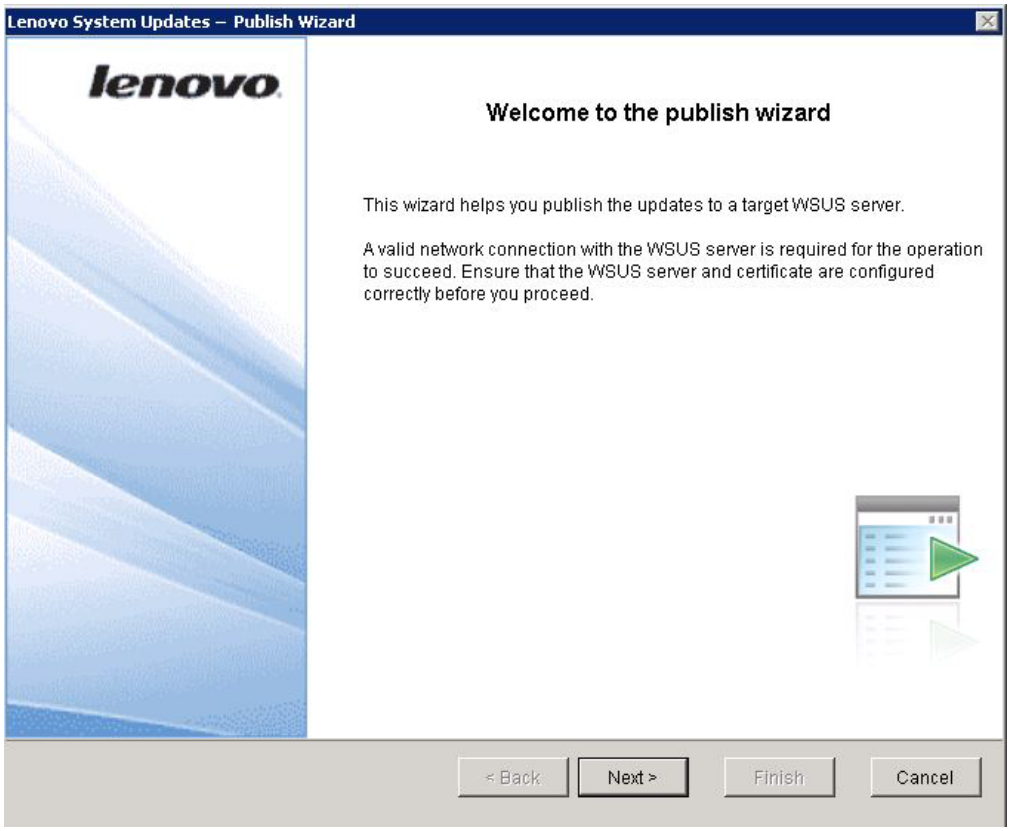

Figure 40. Publish Wizard Welcome

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`.

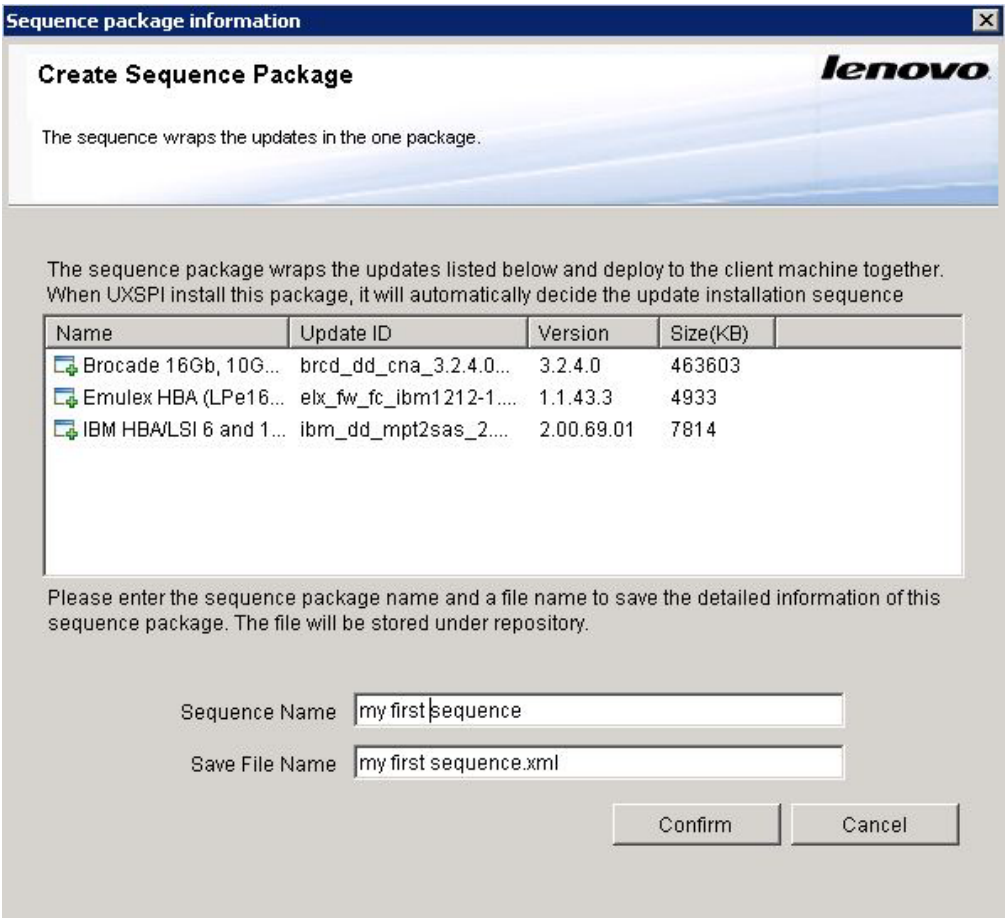

Figure 41. Create Sequence Package

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

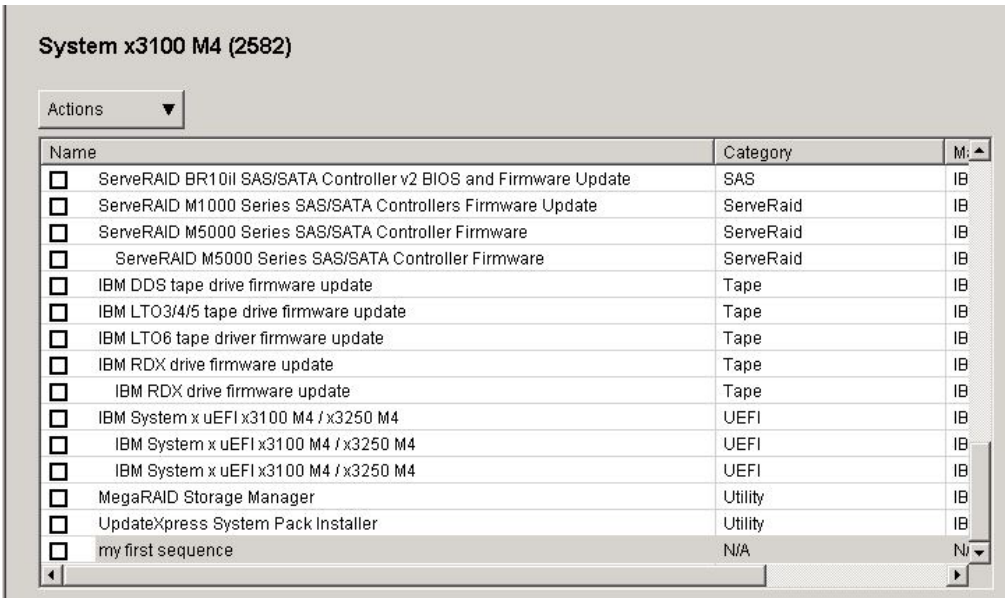

Figure 42. Updates list with saved sequence package

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.

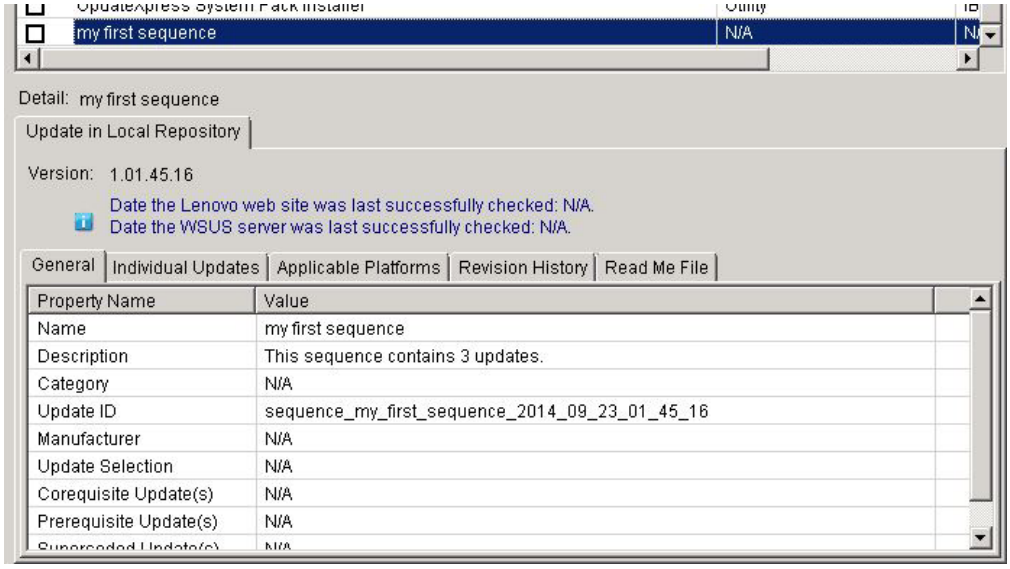

Figure 43. Sequence update **General** *tab*

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

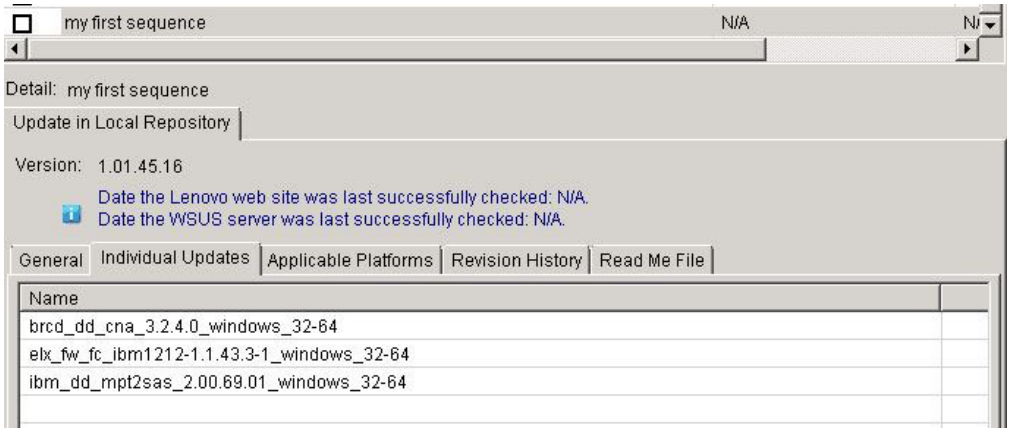

Figure 44. **Individual Updates** *tab*

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 .

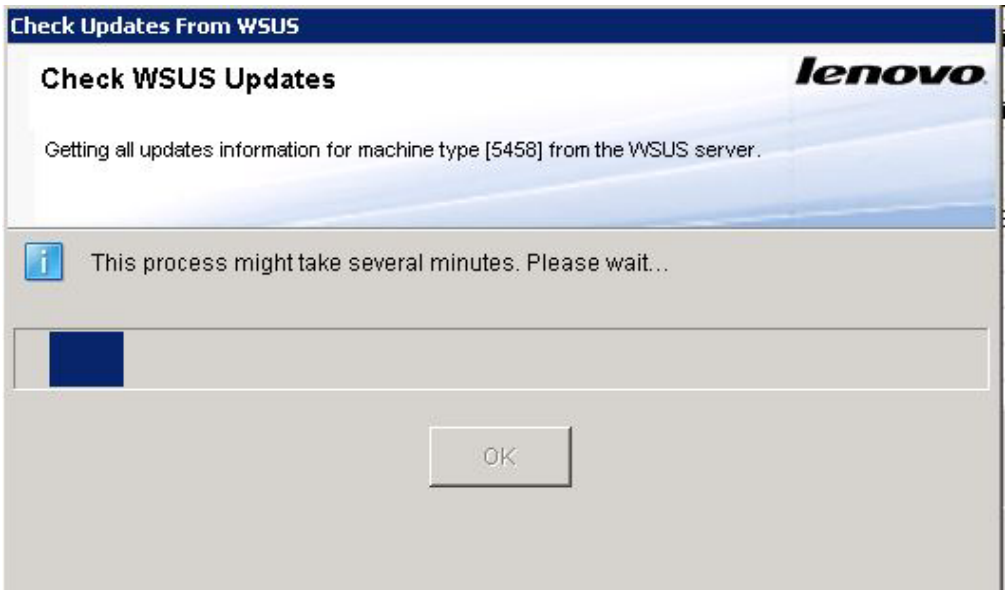

Figure 45. Check selected updates from WSUS

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**.

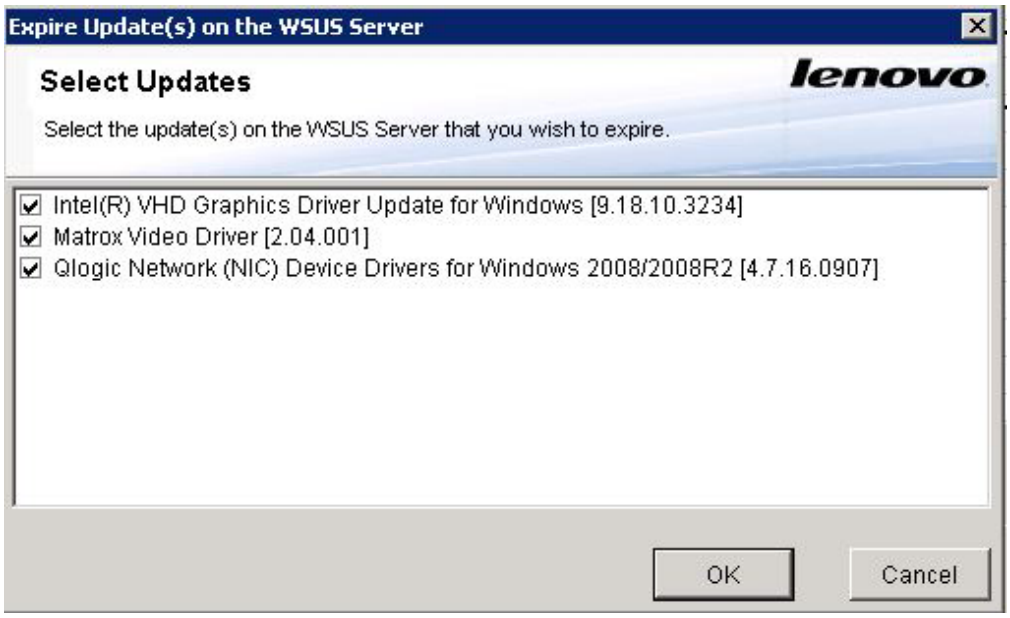

Figure 46. Expire Updates on the WSUS Server

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

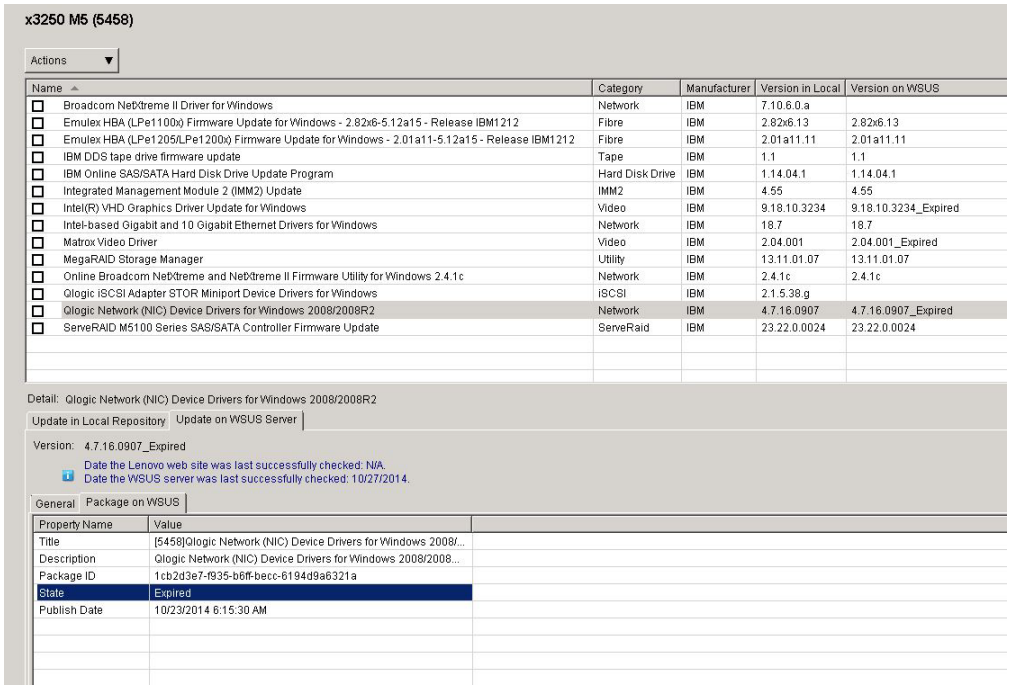

Figure 47. Expire updates detail view

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.

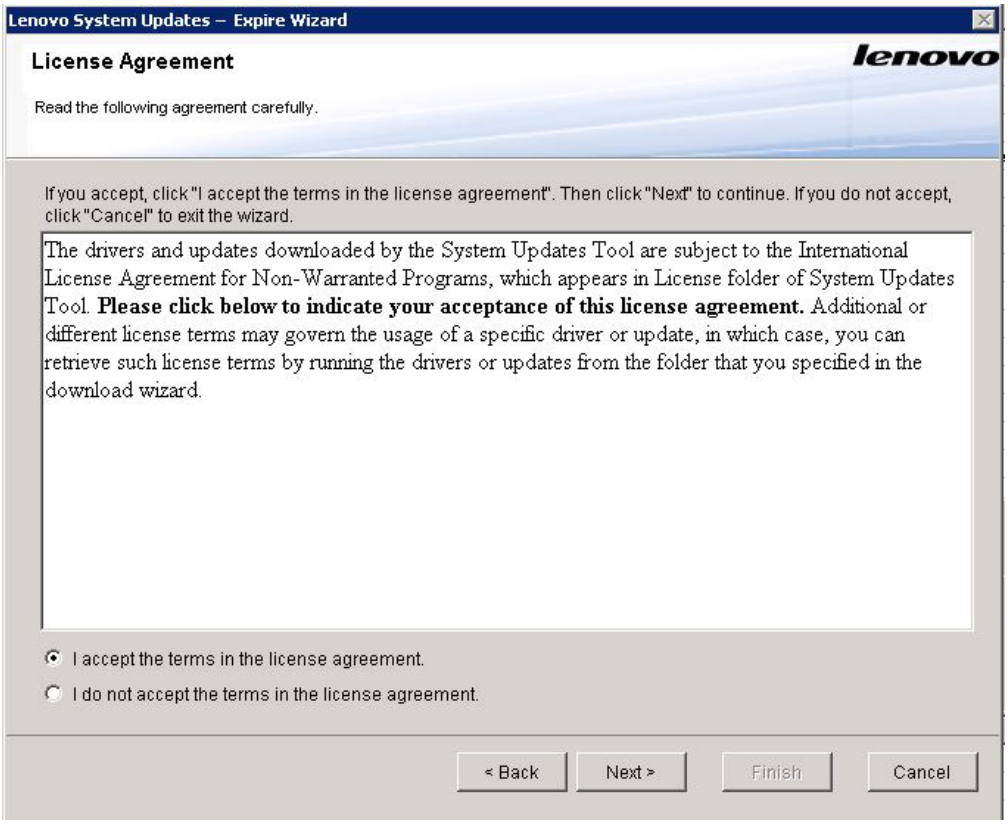

Figure 48. Expire Wizard License Agreement

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.

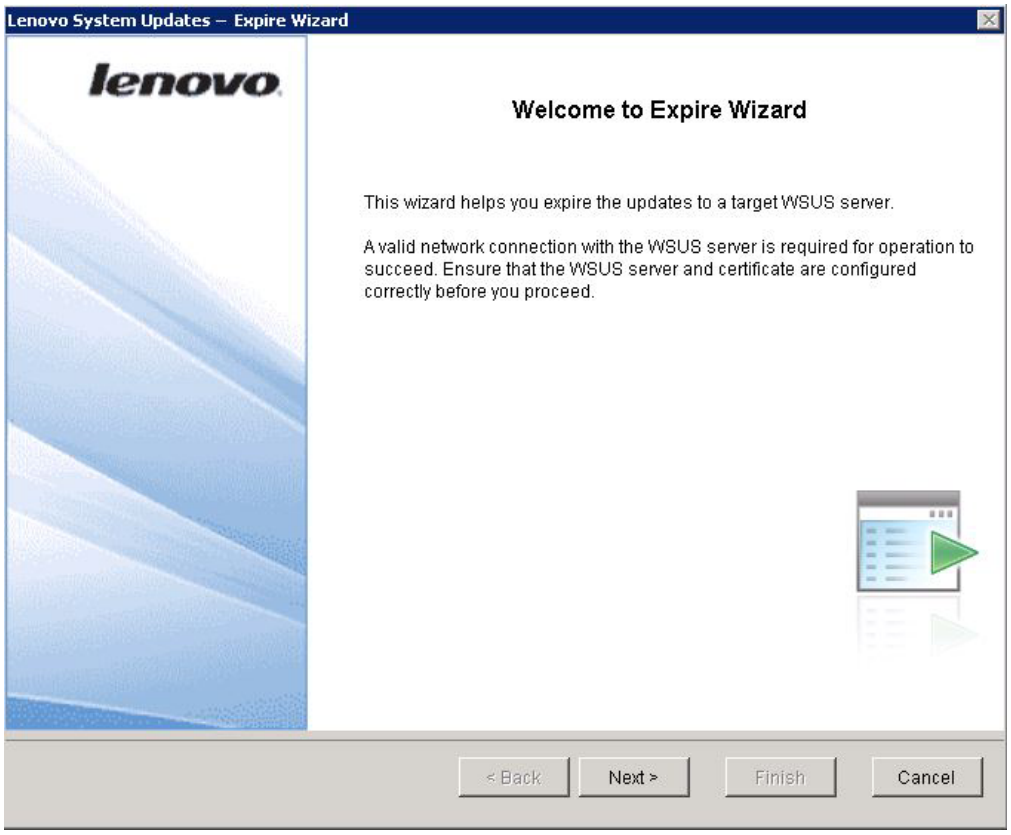

Figure 49. Expire Wizard Welcome

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

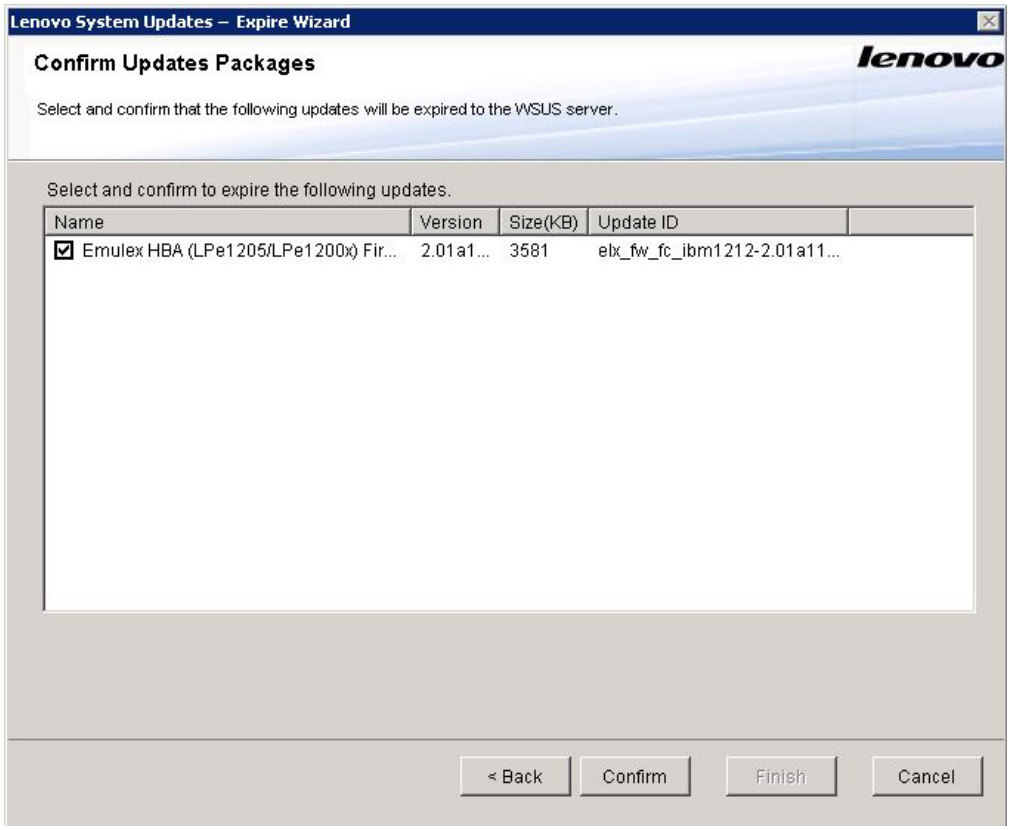

Figure 50. Expire Wizard Confirm Update Packages

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.

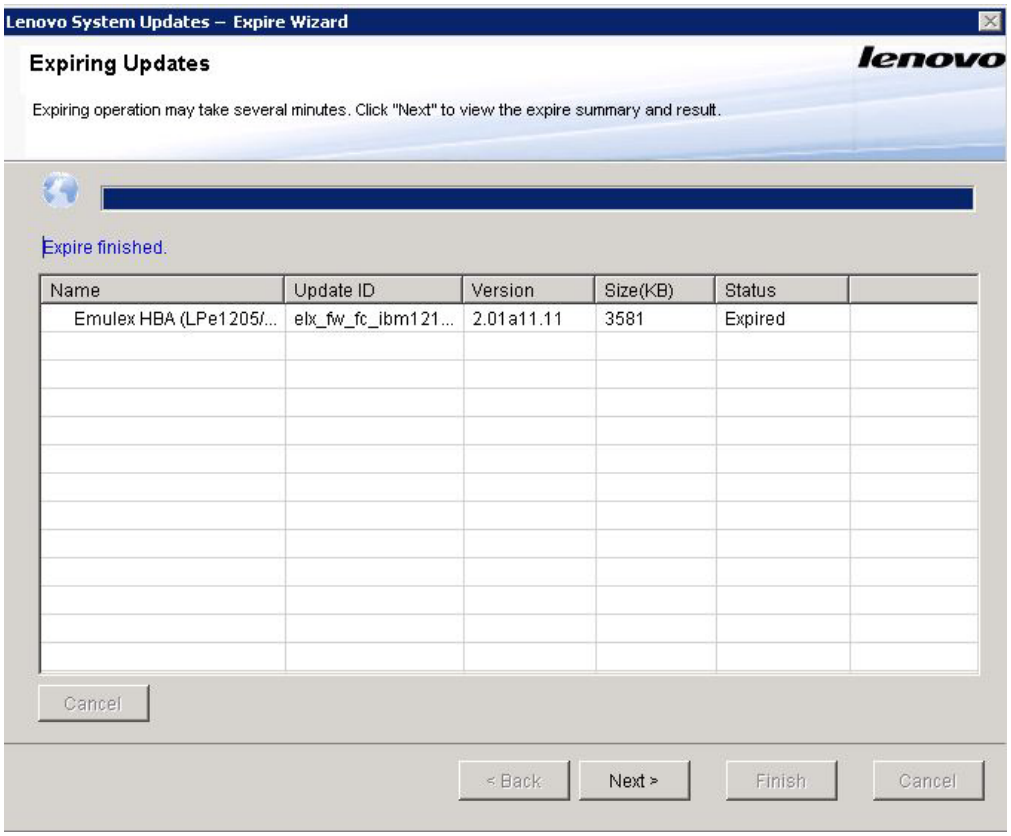

Figure 51. Expire operation finishes

6. Click **Next**.

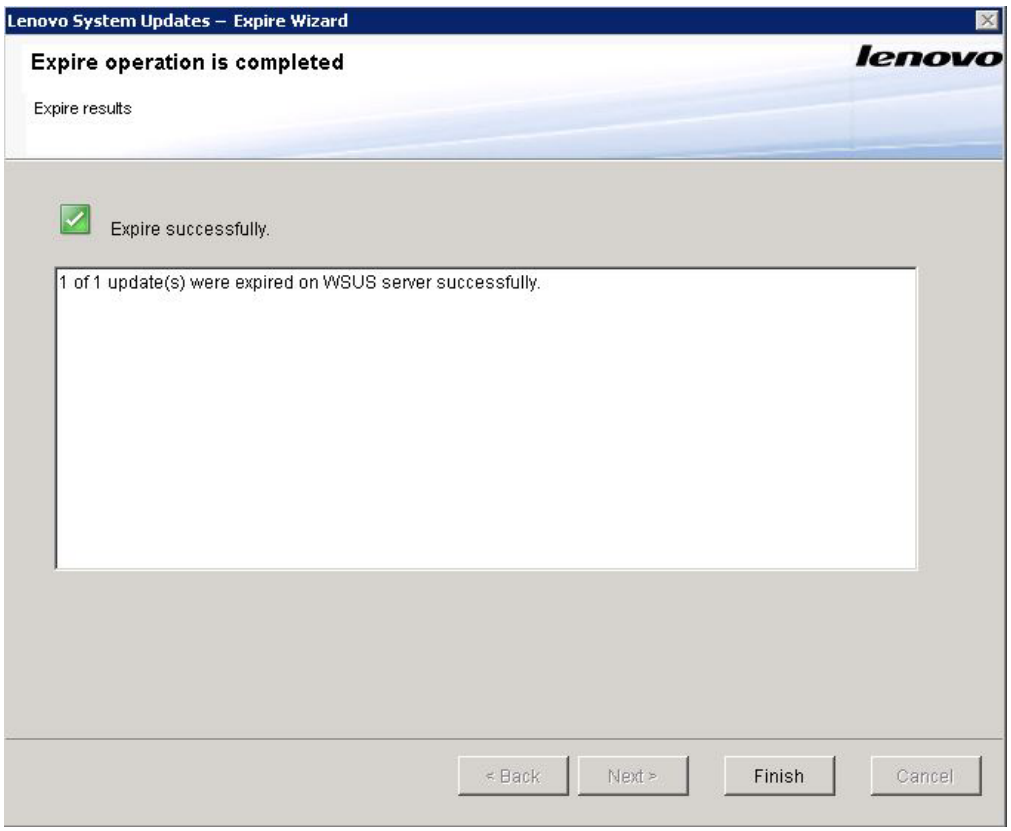

Figure 52. Expire operation results

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.

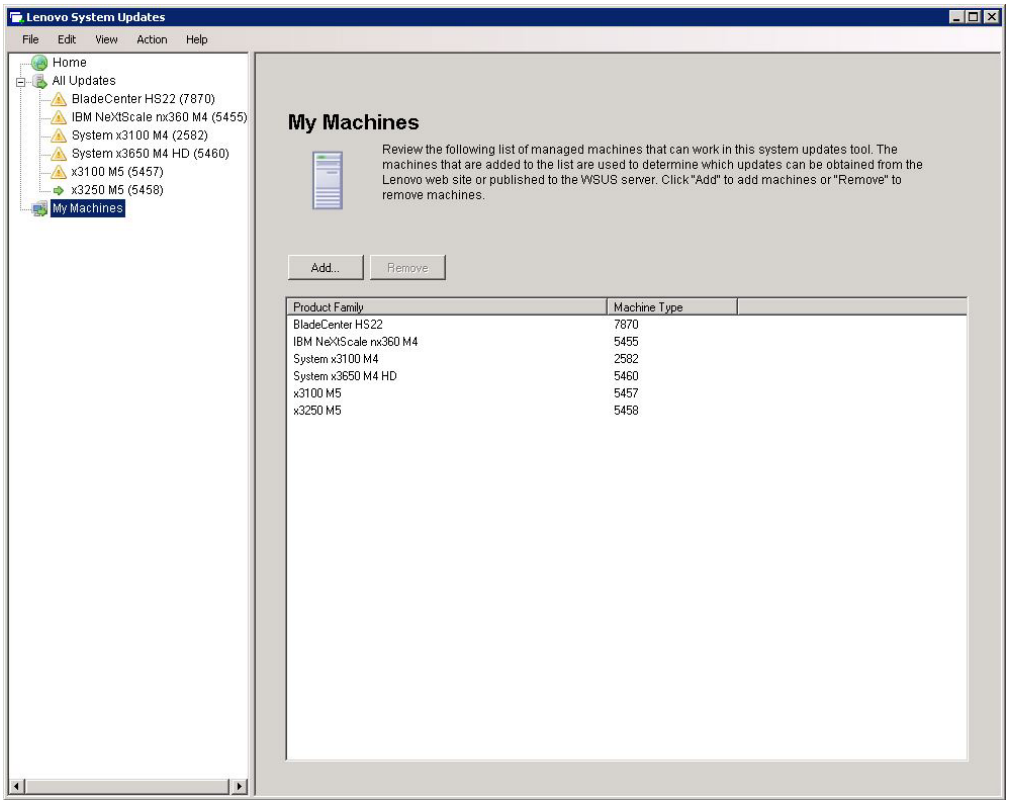

Figure 53. My Machines view

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

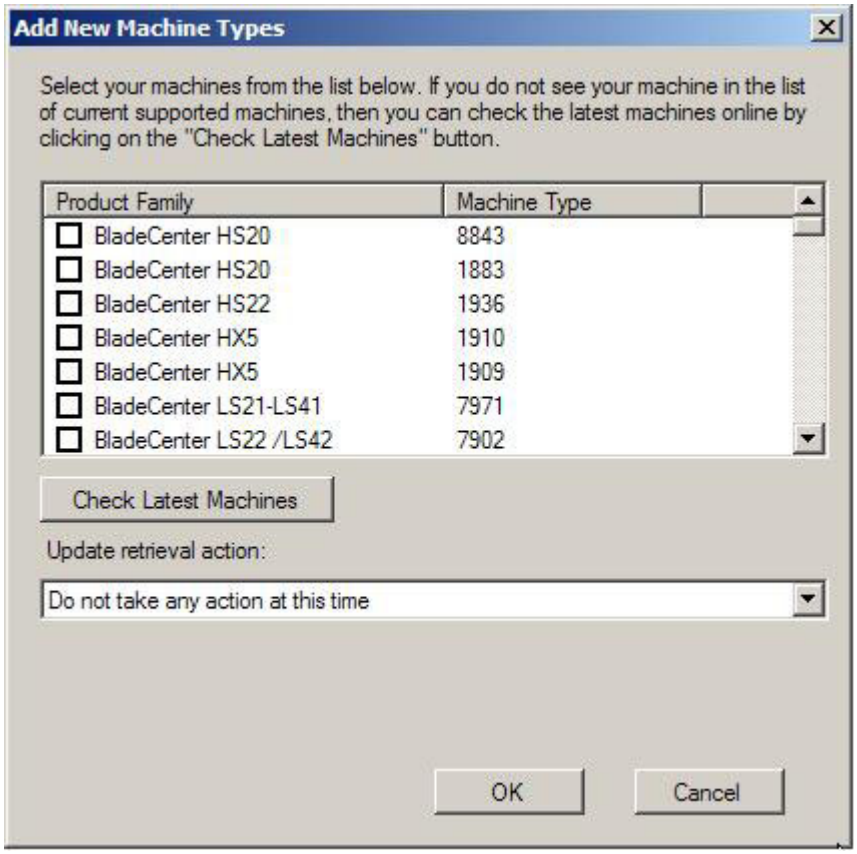

Figure 54. Add new machine types

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.

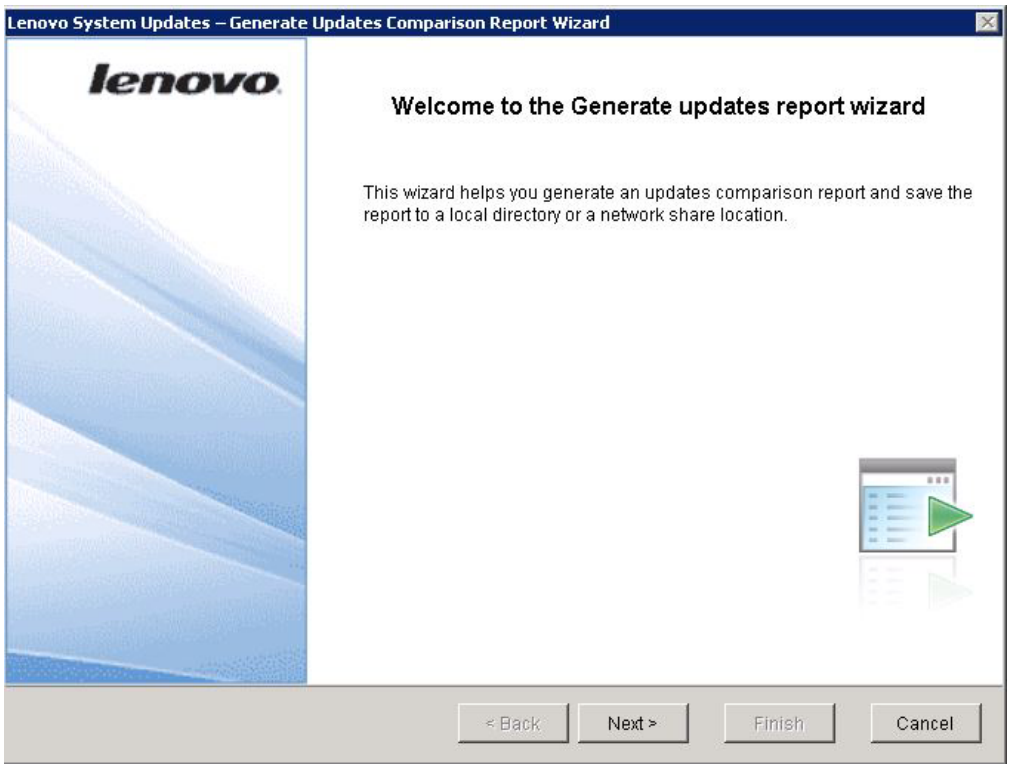

Figure 55. Generate Updates Comparison Report Wizard Welcome page

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

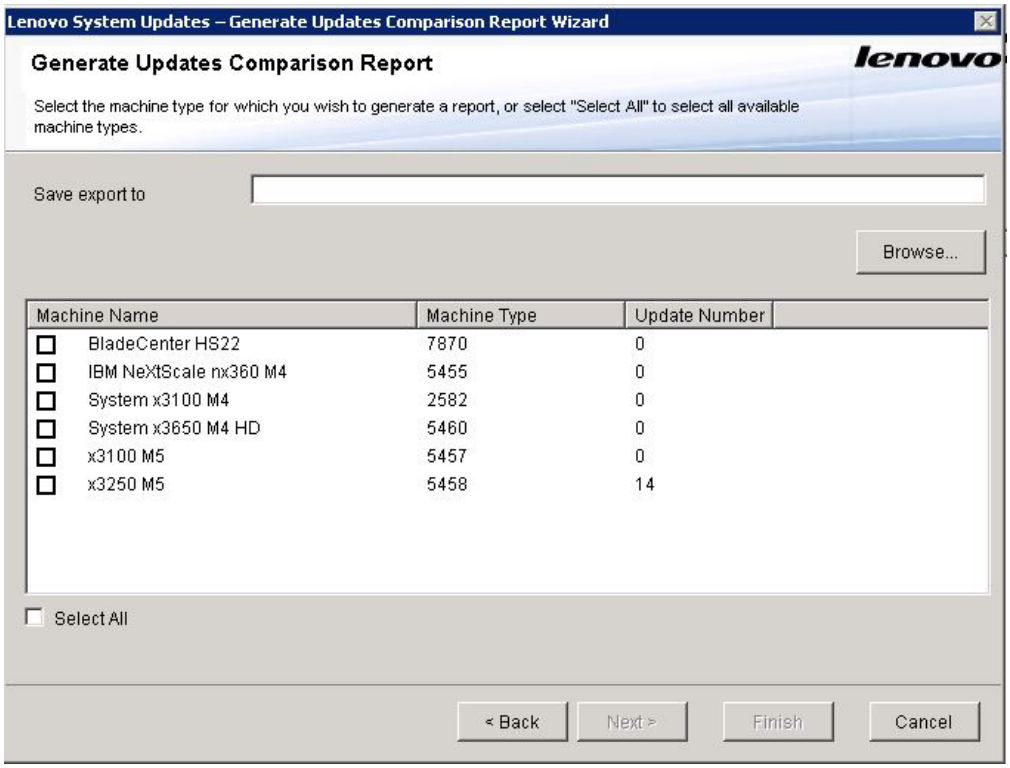

Figure 56. Generate Updates Comparison Report

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**.

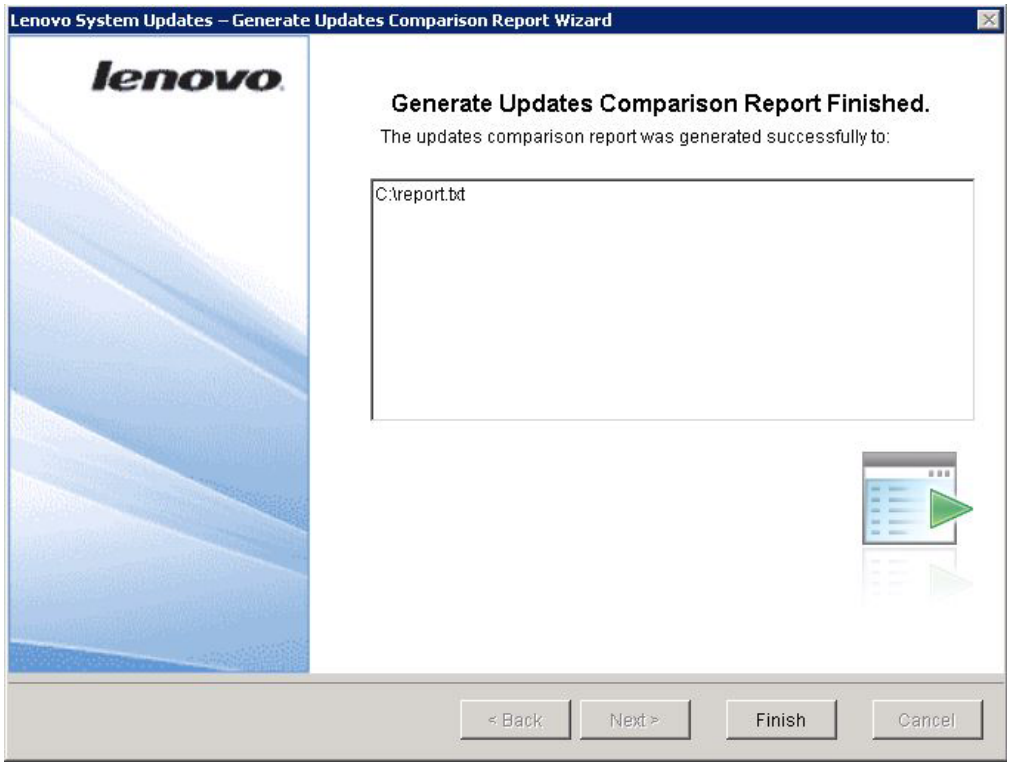

Figure 57. Generate Updates Comparison Report Finished

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**.
2. 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.

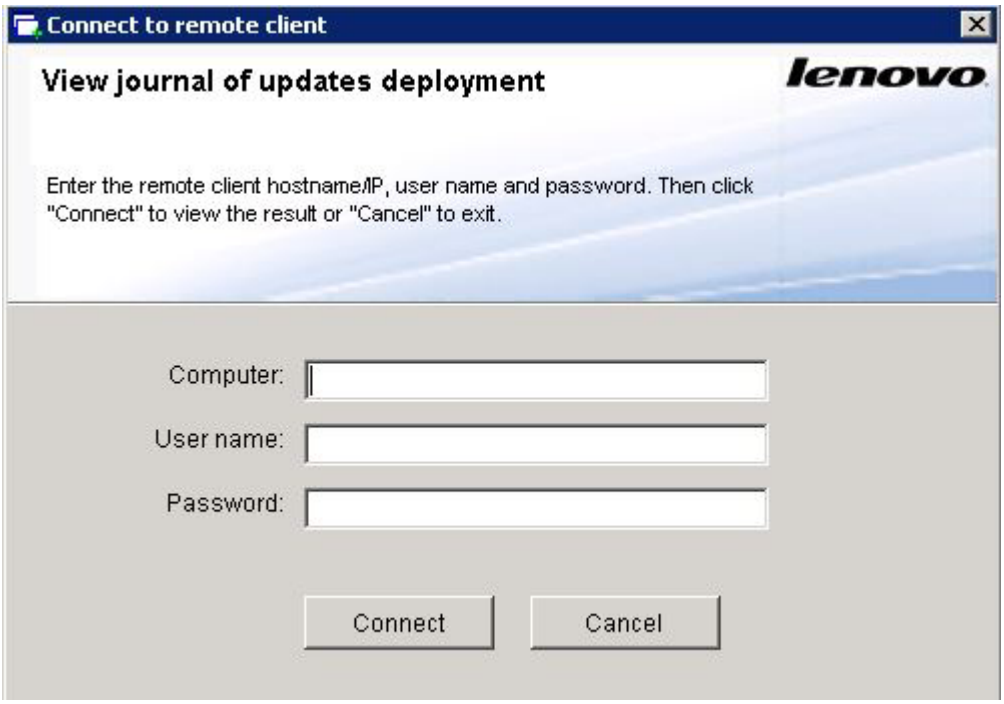

Figure 58. View journal of updates deployment log in page

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.

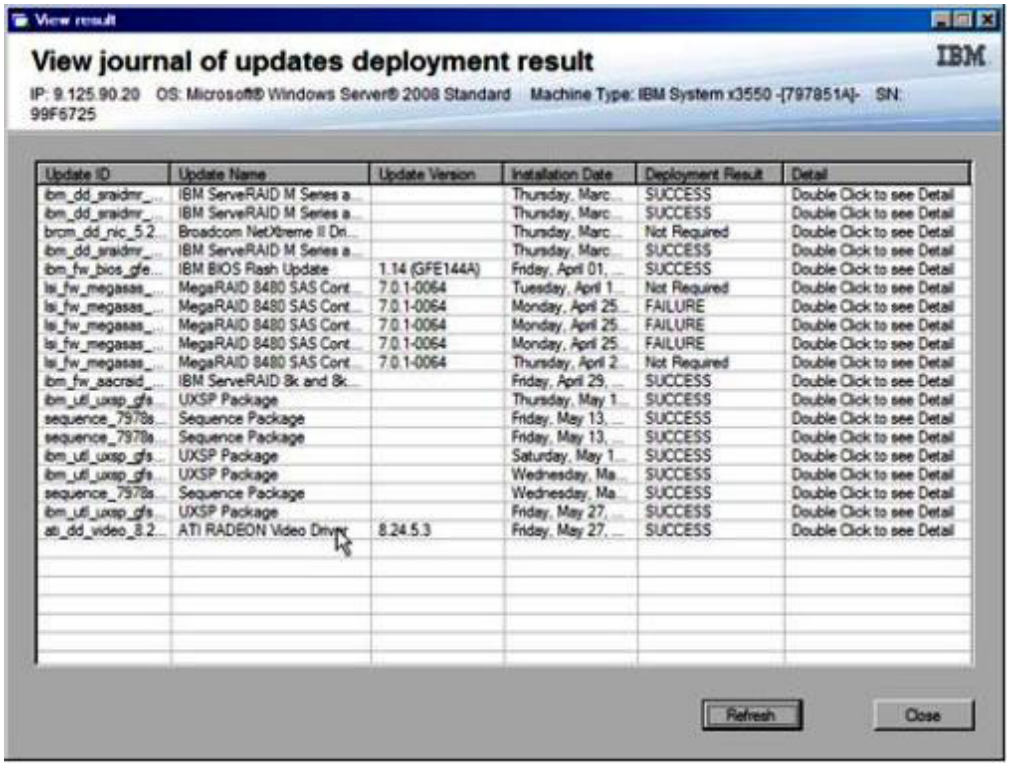

Figure 59. View journal of updates deployment result

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

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

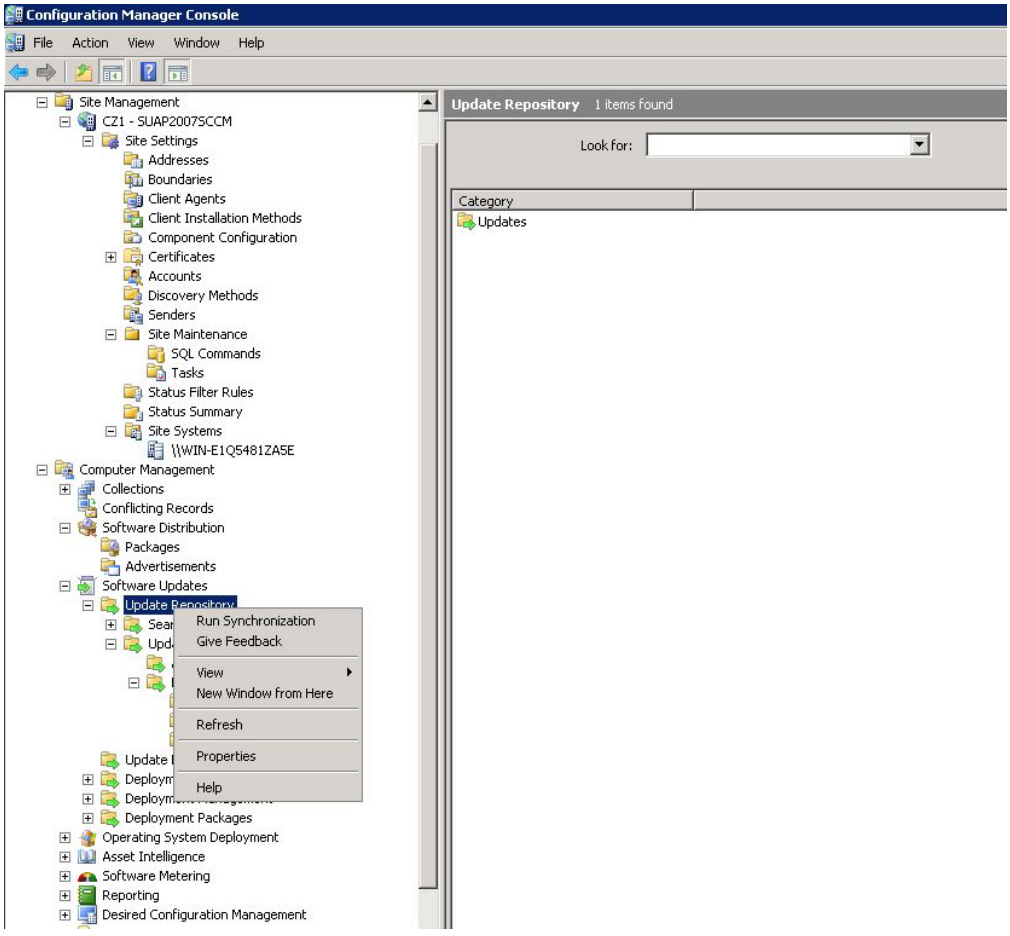

Figure 60. Synchronizing the Update Repository

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:

1. 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.

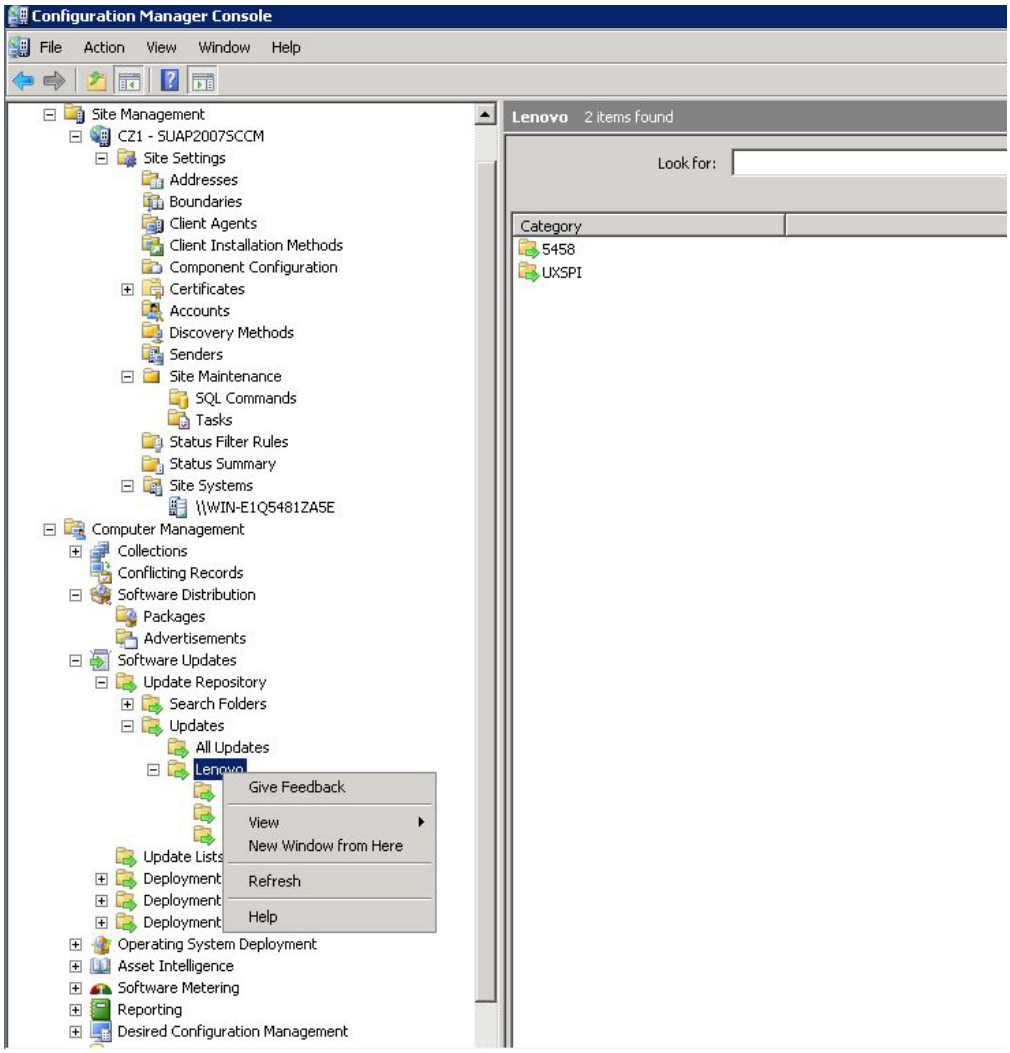

Figure 61. Refreshing the Lenovo folder

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

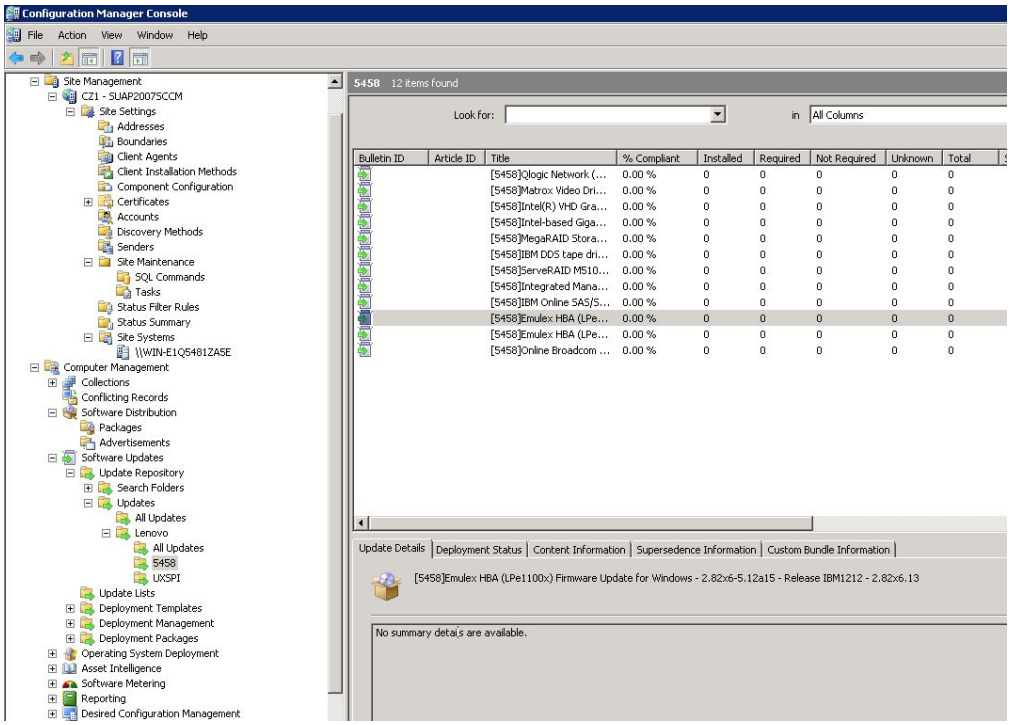

Figure 62. Viewing published updates

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*.

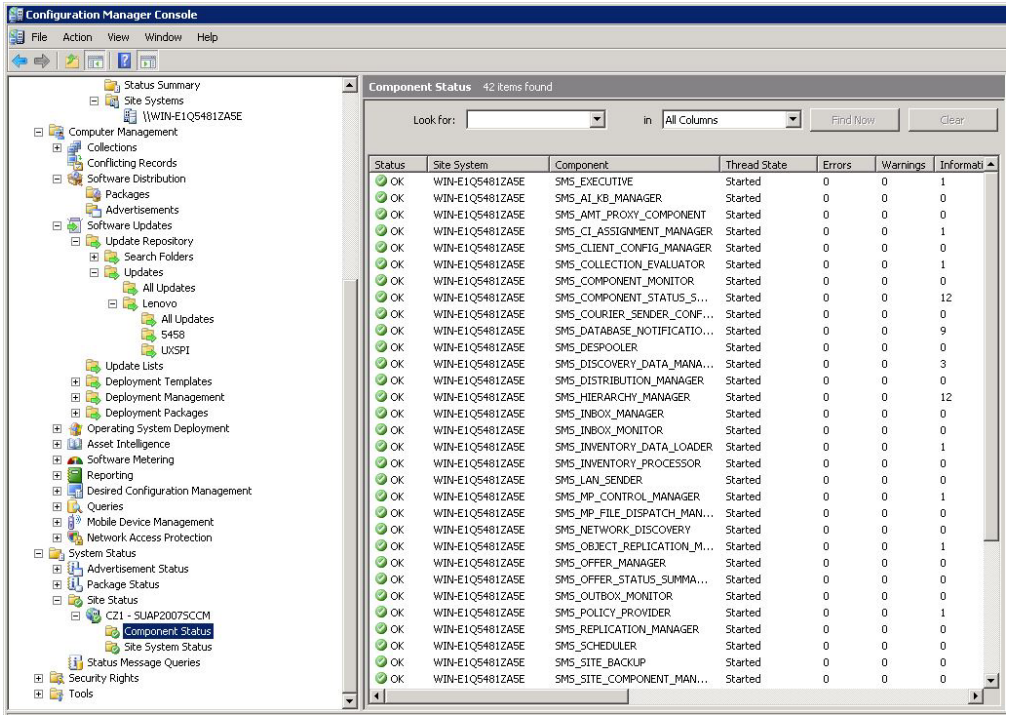

Figure 63. Component Status

Procedure

1. 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.

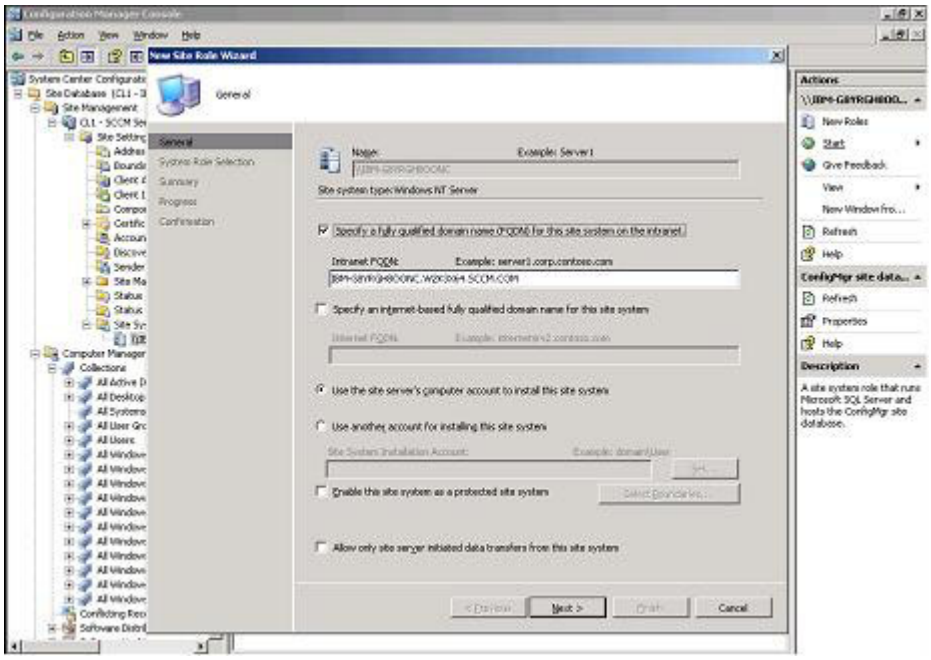

Figure 64. Configuring the system update service point

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.

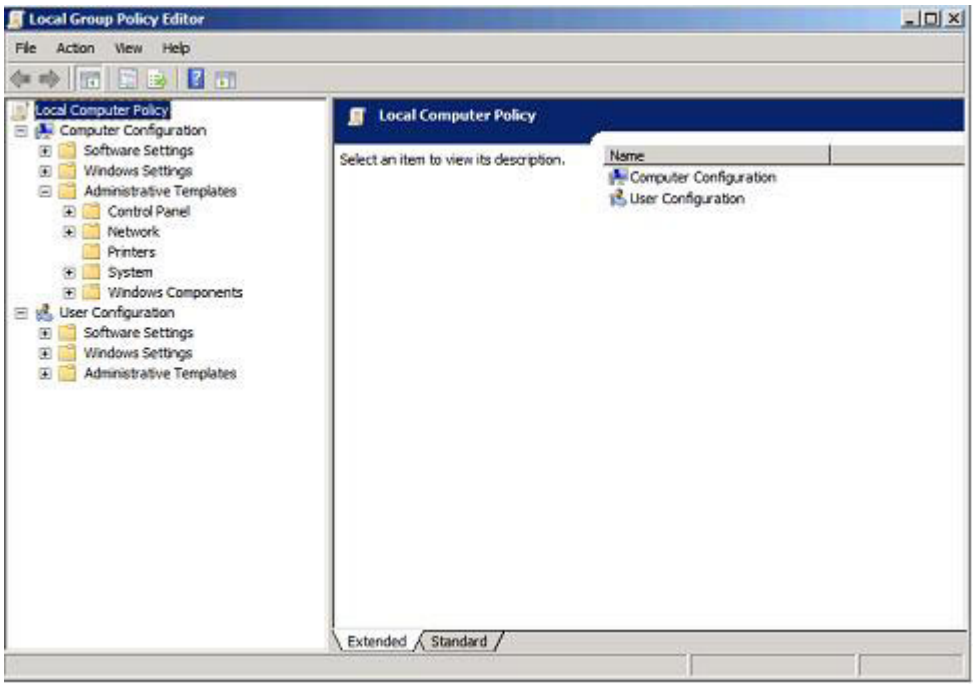

Figure 65. Local Computer Policy configuration

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**.

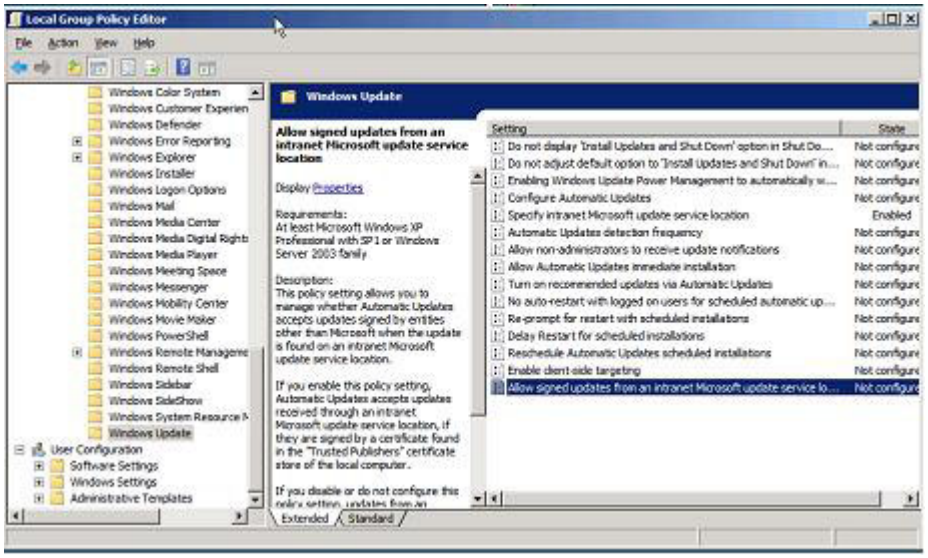

Figure 66. Allow signed updates from an intranet Microsoft update service location

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 theSCCM 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**.

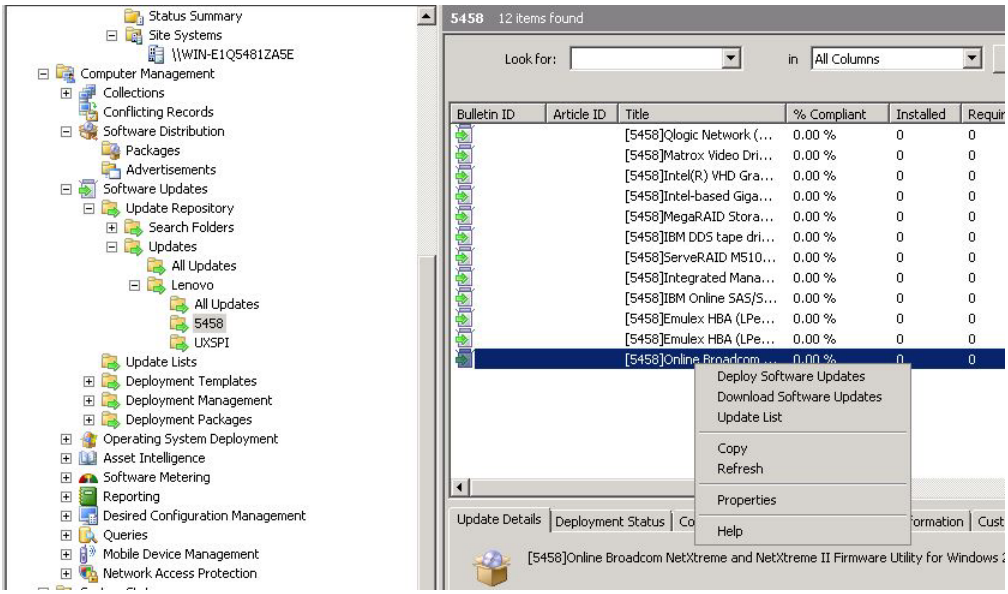

Figure 67. Deploy Software Updates

The Deployment Software Updates Wizard opens.

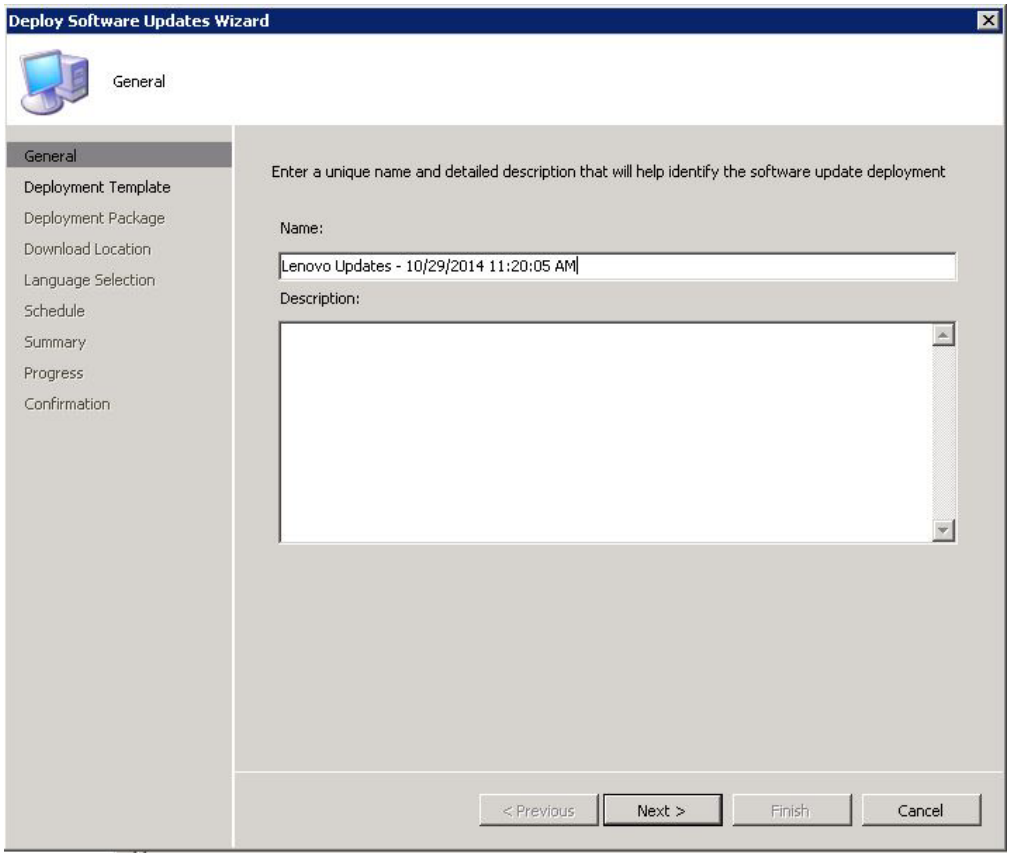

Figure 68. Deploy Software Updates Wizard - General

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.

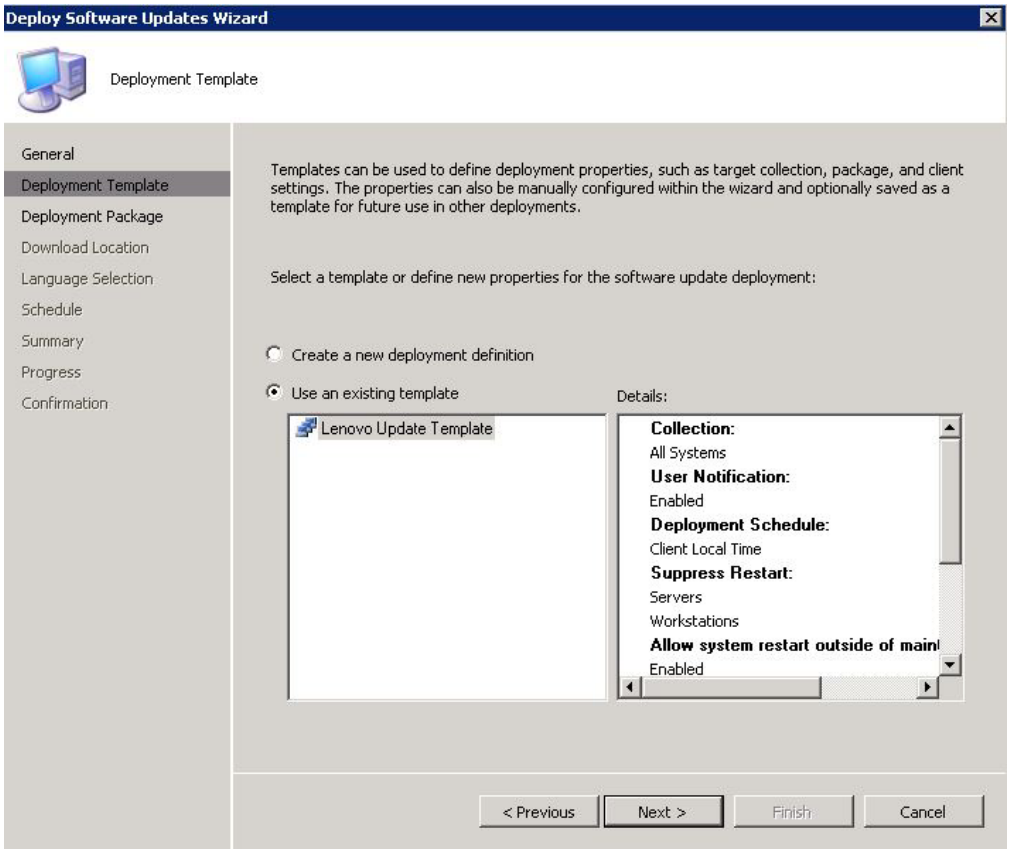

Figure 69. Deployment Software Updates Wizard Template

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

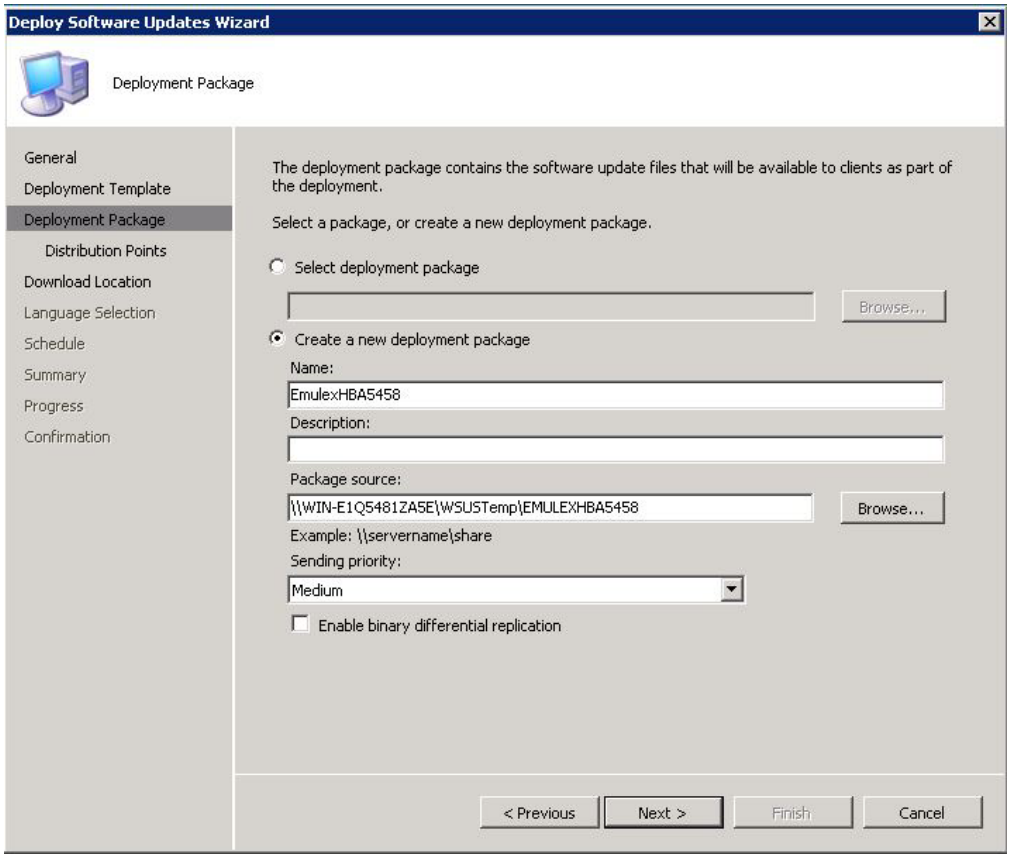

Figure 70. Deployment Package

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.

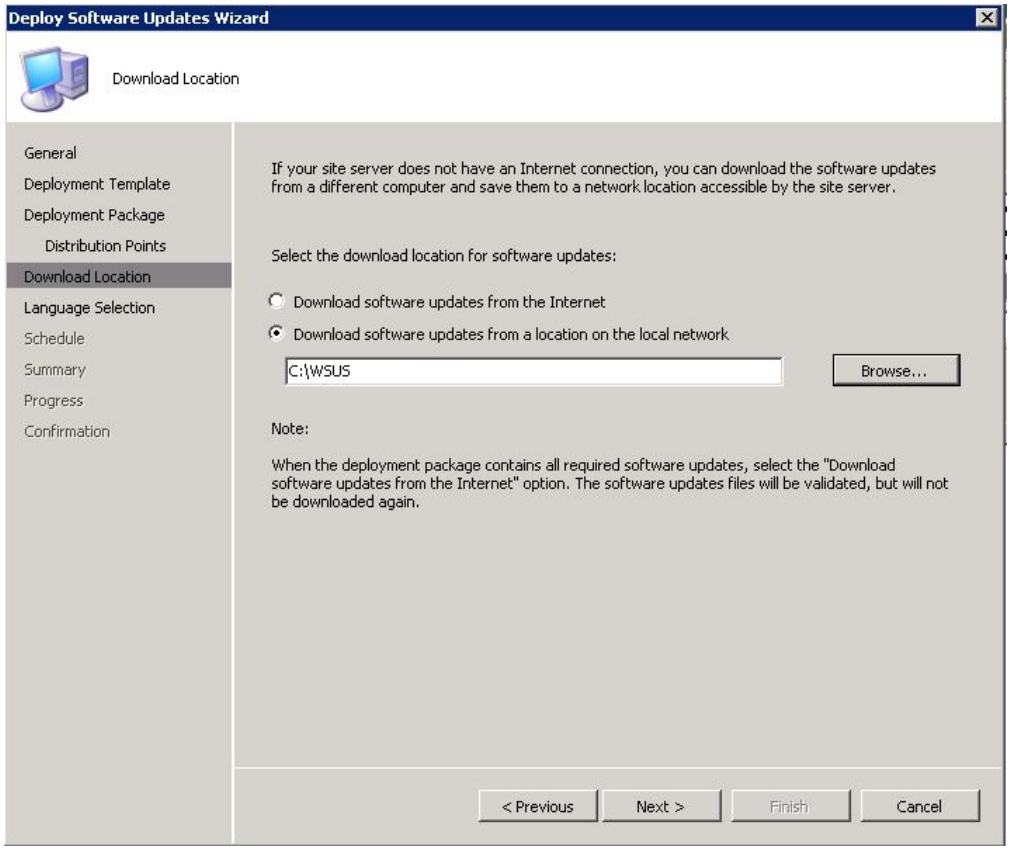

Figure 71. Download Location

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.

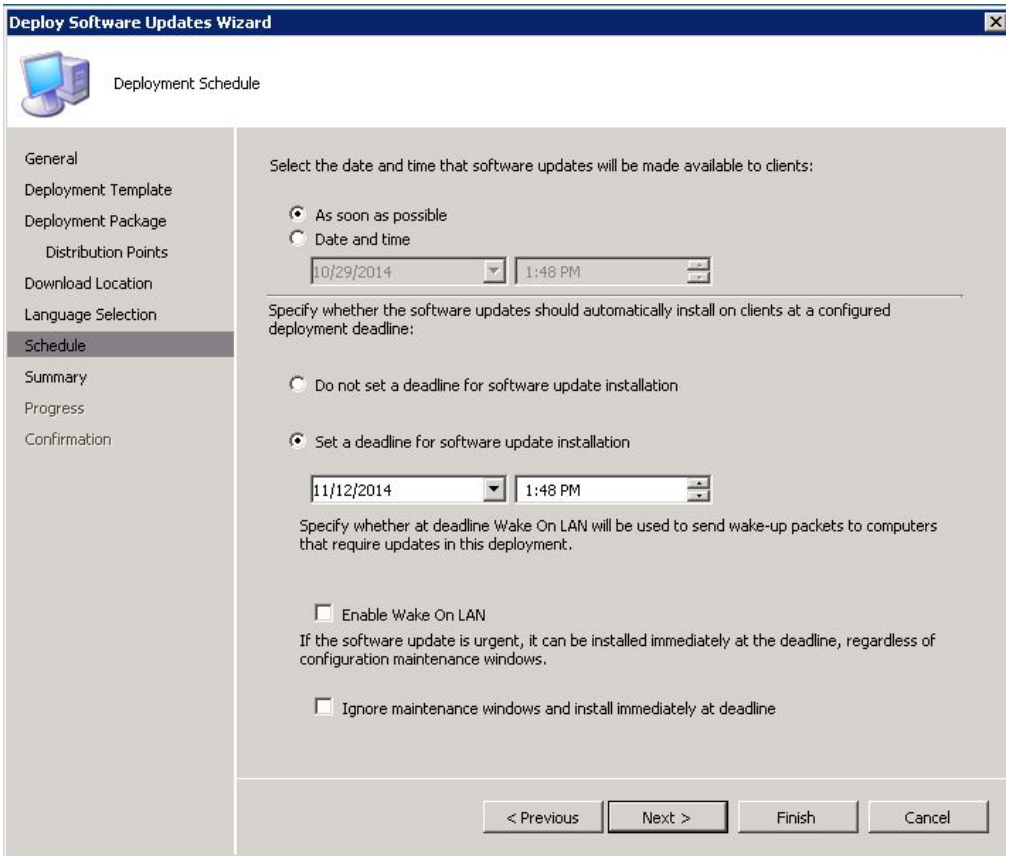

Figure 72. Deployment Schedule

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

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

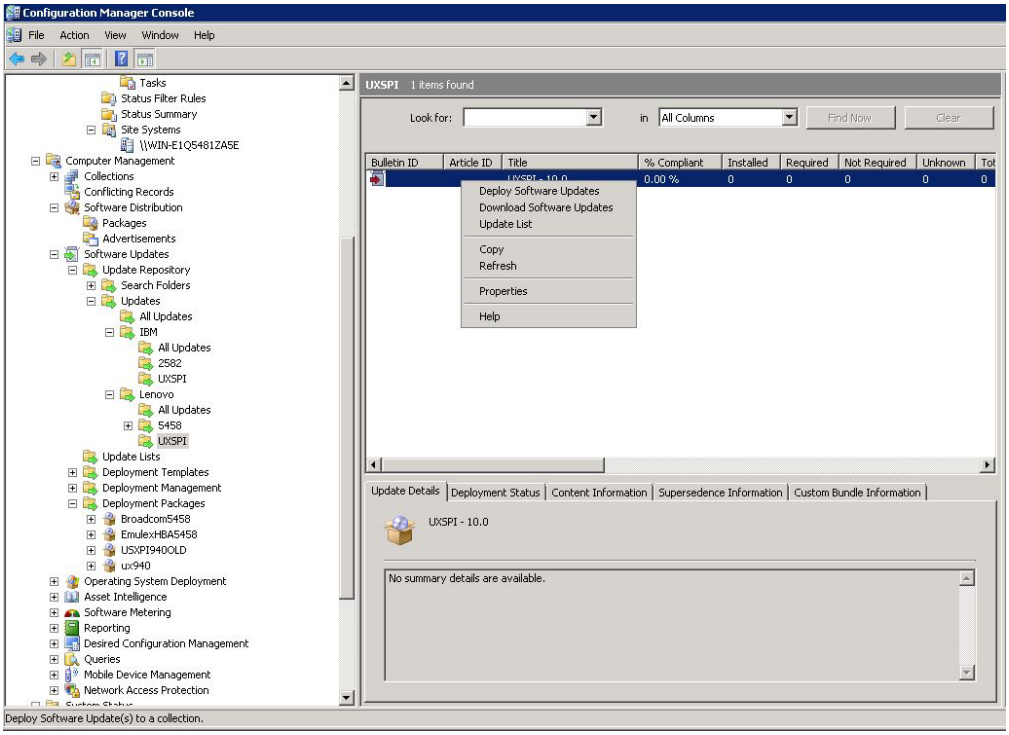

Figure 73. Deploying UXSPI to an SCCM client

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

1. 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**.

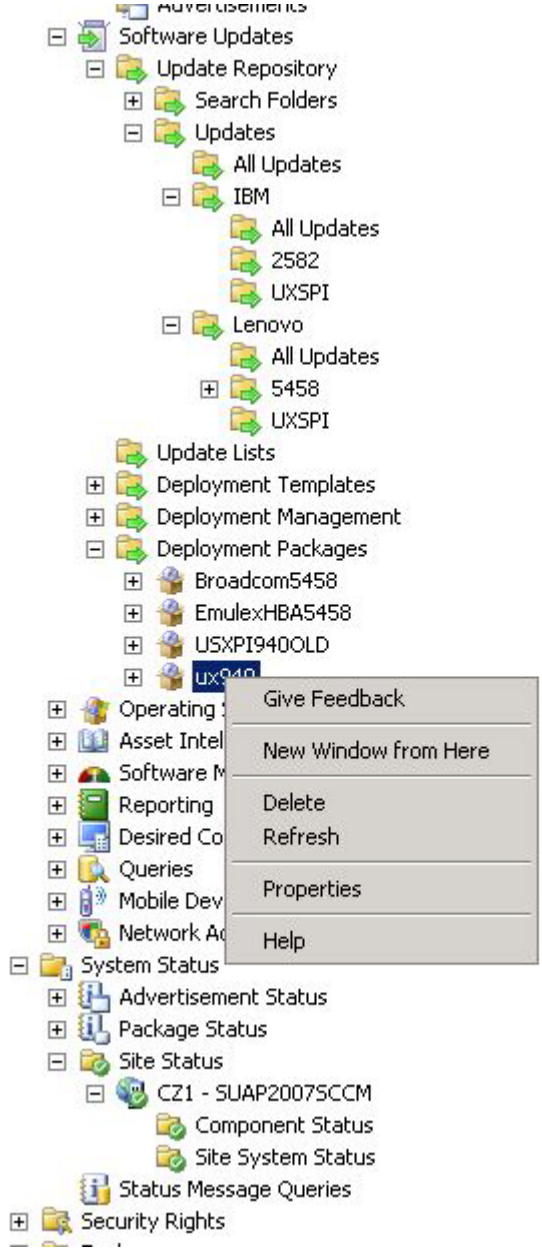

Figure 74. Deleting the old UXSPI advertisement

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.

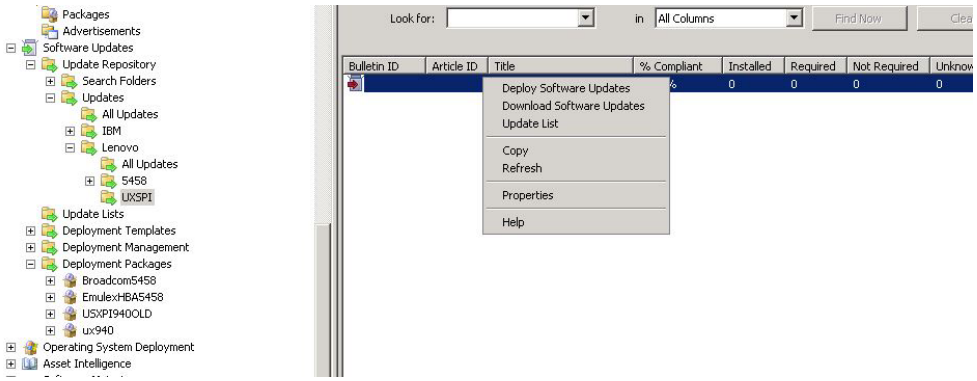

Figure 75. Deploying a newer version of the UXSPI software package

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

1. 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**.

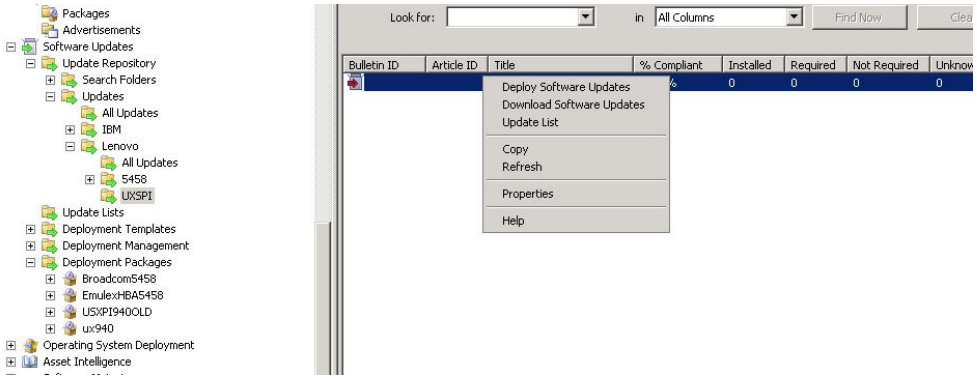

Figure 76. Deploying software updates when new and old packages coexist

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

1. 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**.

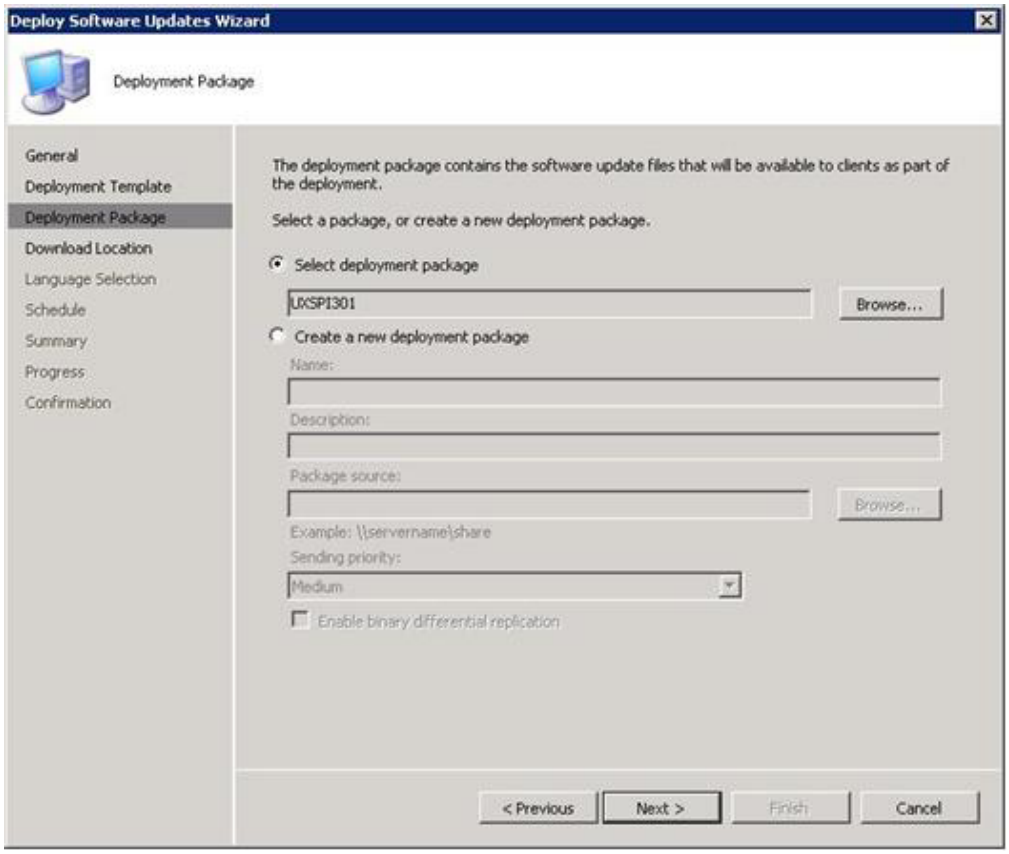

Figure 77. Selecting an existing UXSPI deployment package

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

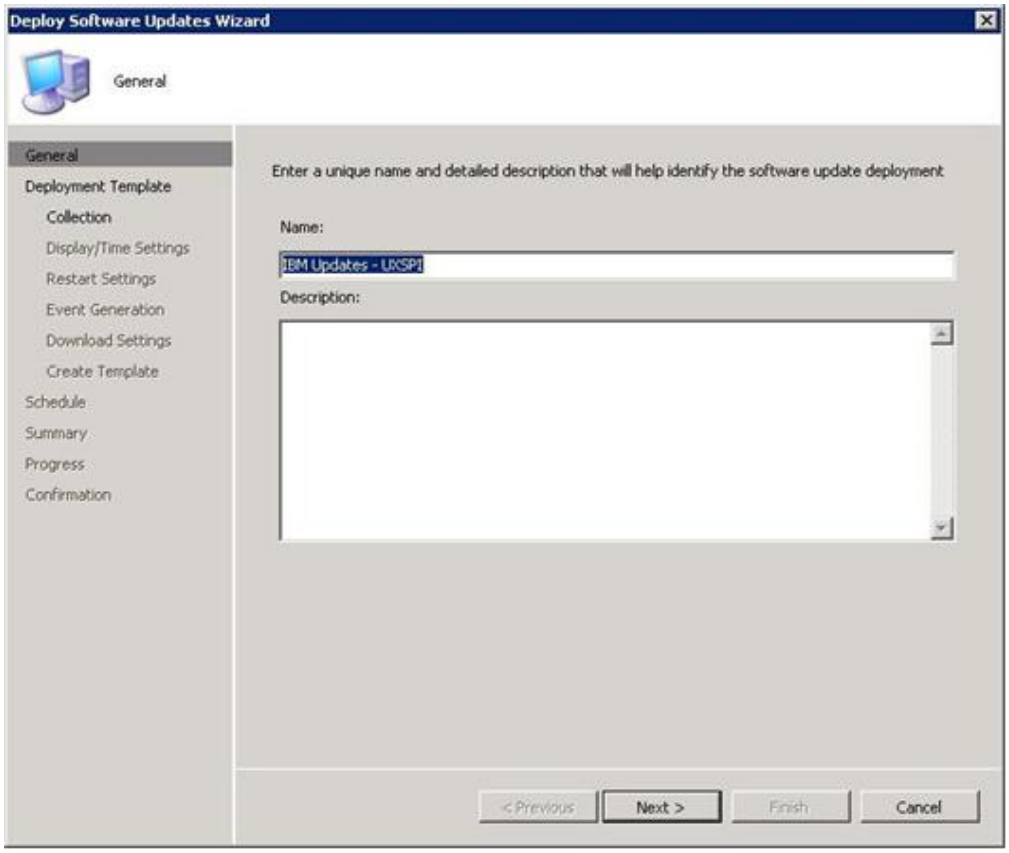

Figure 78. Software updates - General

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

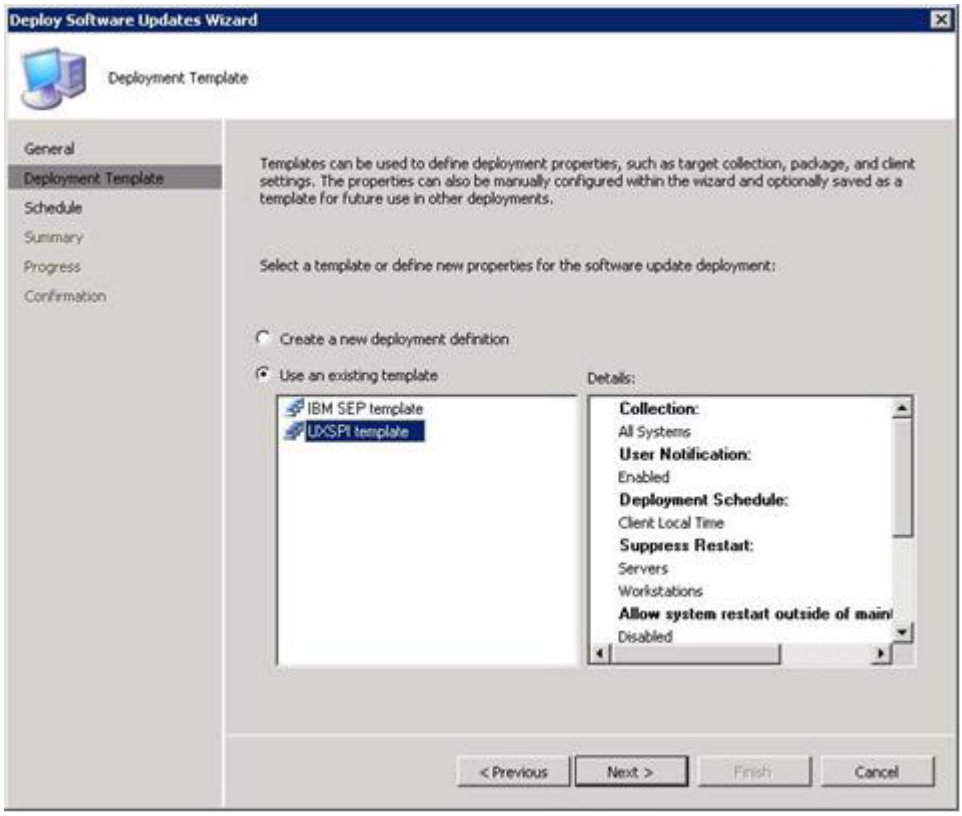

Figure 79. Selecting the UXSPI deployment template

5. Select **Select Deployment Package** and then click **Browse** to select an existing UXSPI deployment package.

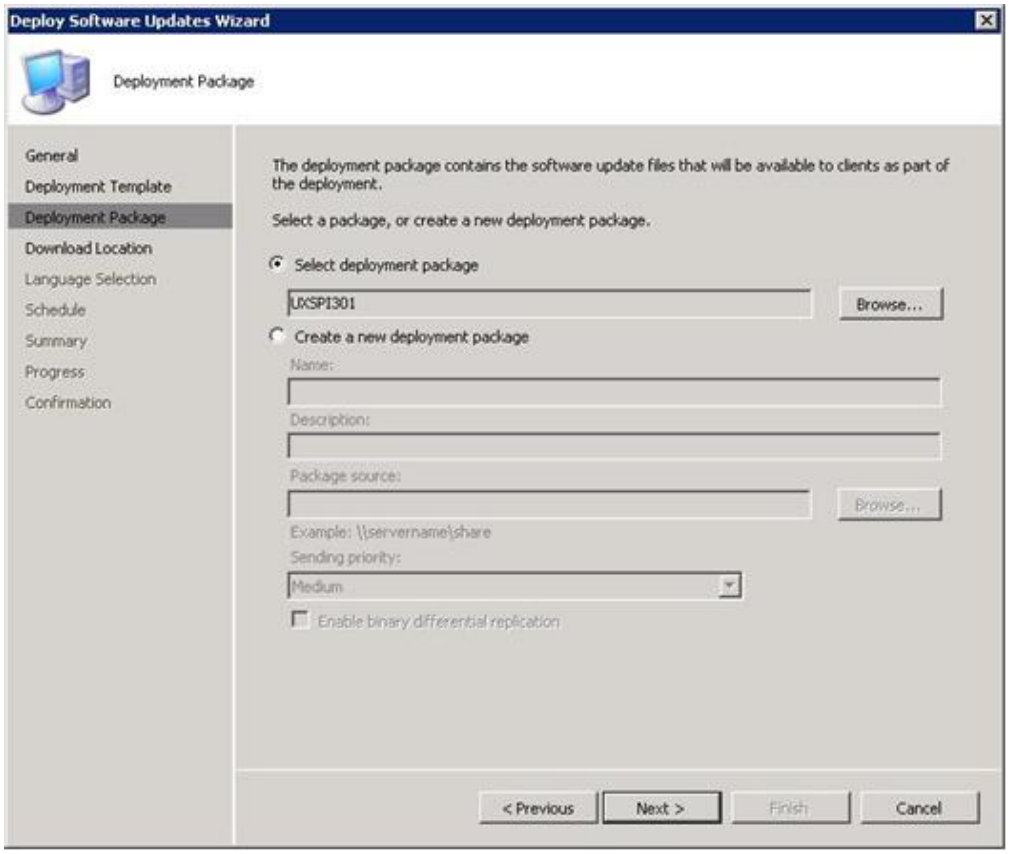

Figure 80. Selecting an existing UXSPI deployment package

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

1. 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**.

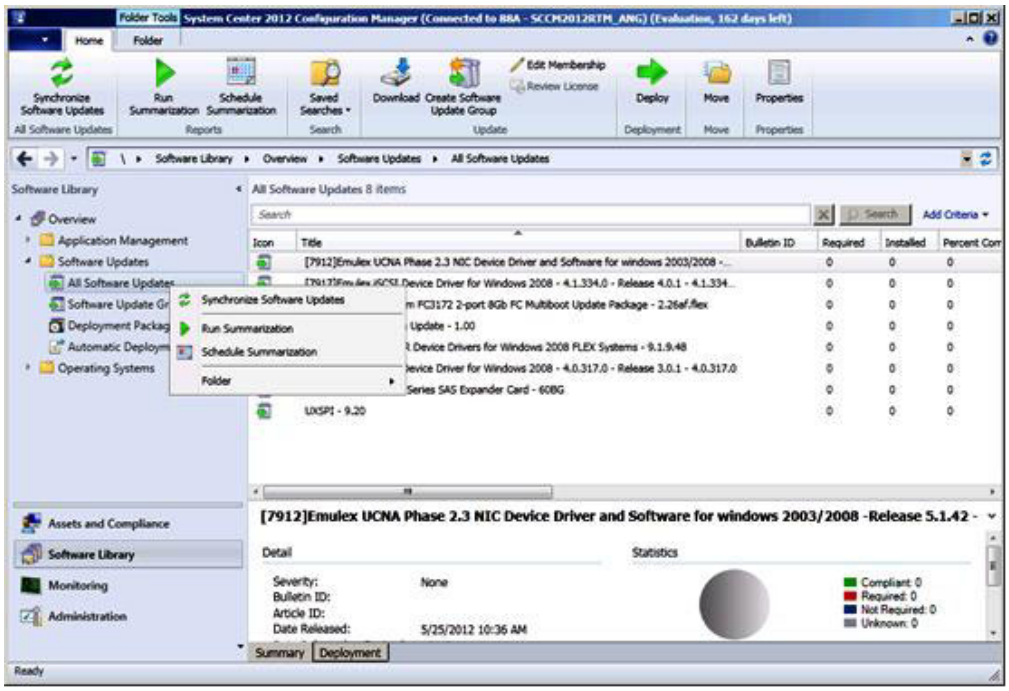

Figure 81. Synchronizing the Update Repository

3. Expand Software Updates, right-click **All Software Updates** and select **Synchronize Software Updates**.

© Lenovo 2014. Portions © IBM Corp. 2014.

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.

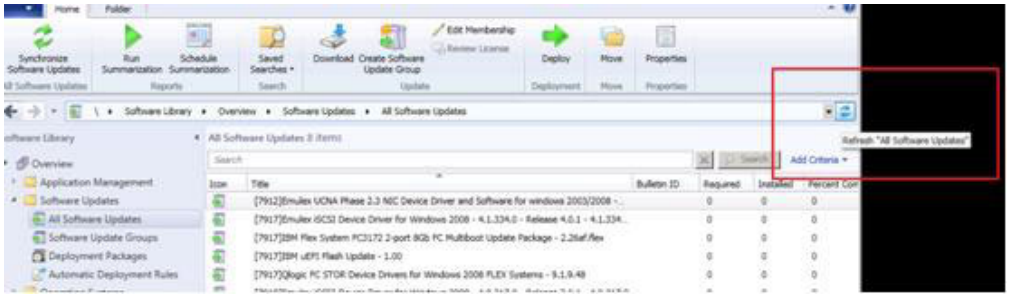

Figure 82. Refreshing updates

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

1. 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** > **All Software Updates** and right-click **All Software Updates**.

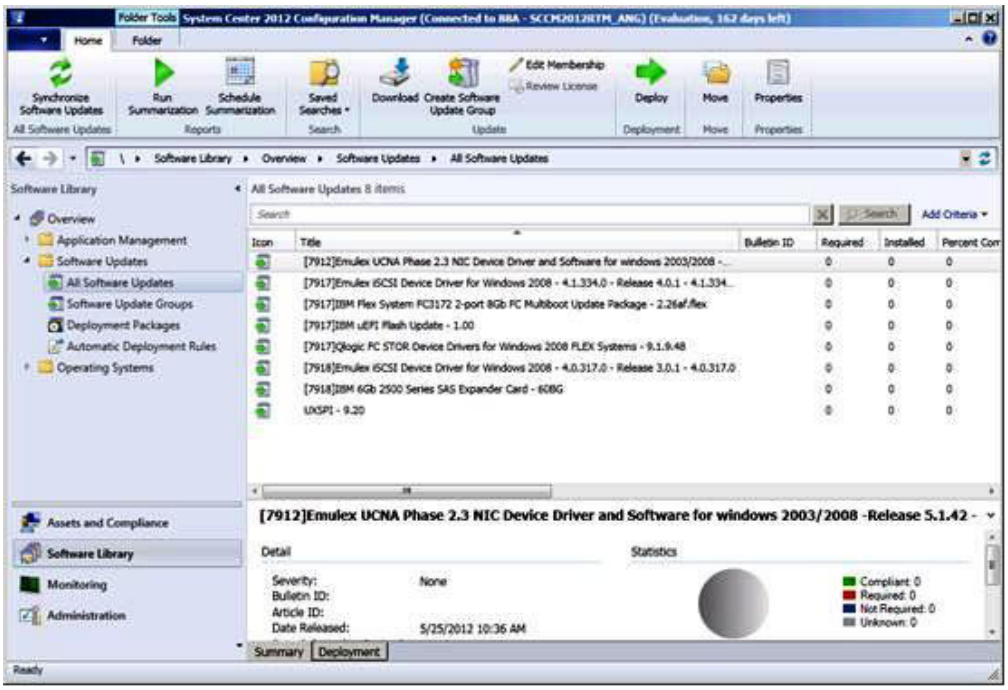

Figure 83. Viewing published updates

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

1. 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**

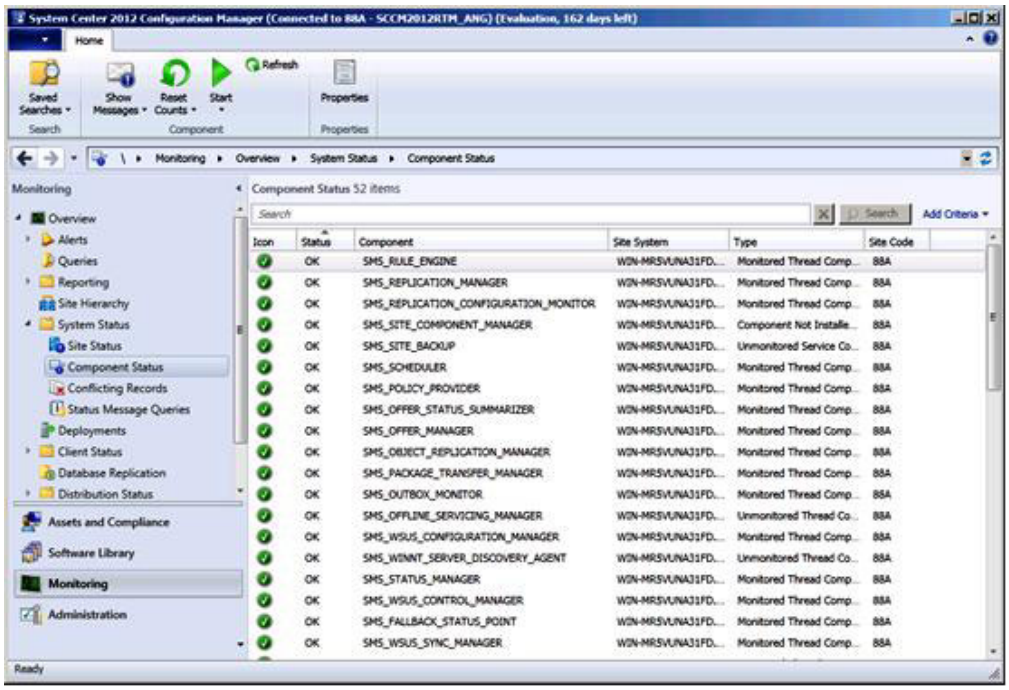

Figure 84. Component Status

If the component is functioning normally, the site status, component status, and site system status is displayed as OK, 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

1. 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.

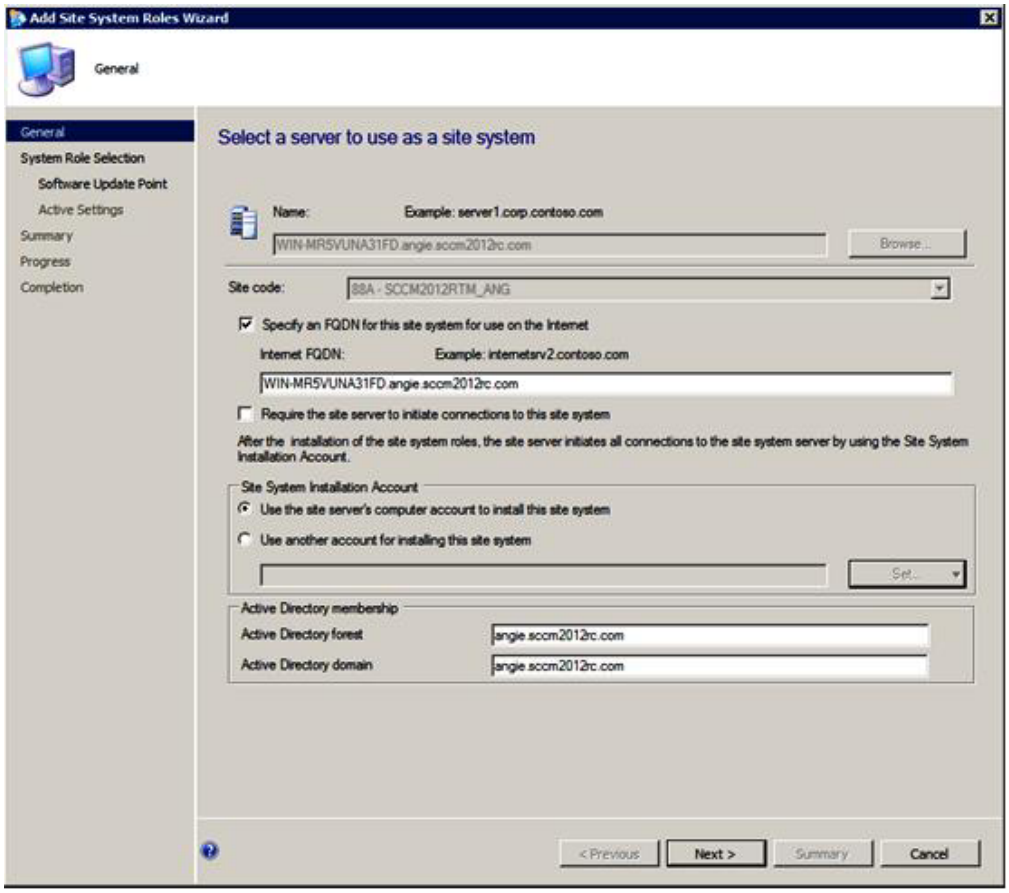

Figure 85. Select a server to use as a site system

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

1. 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**.

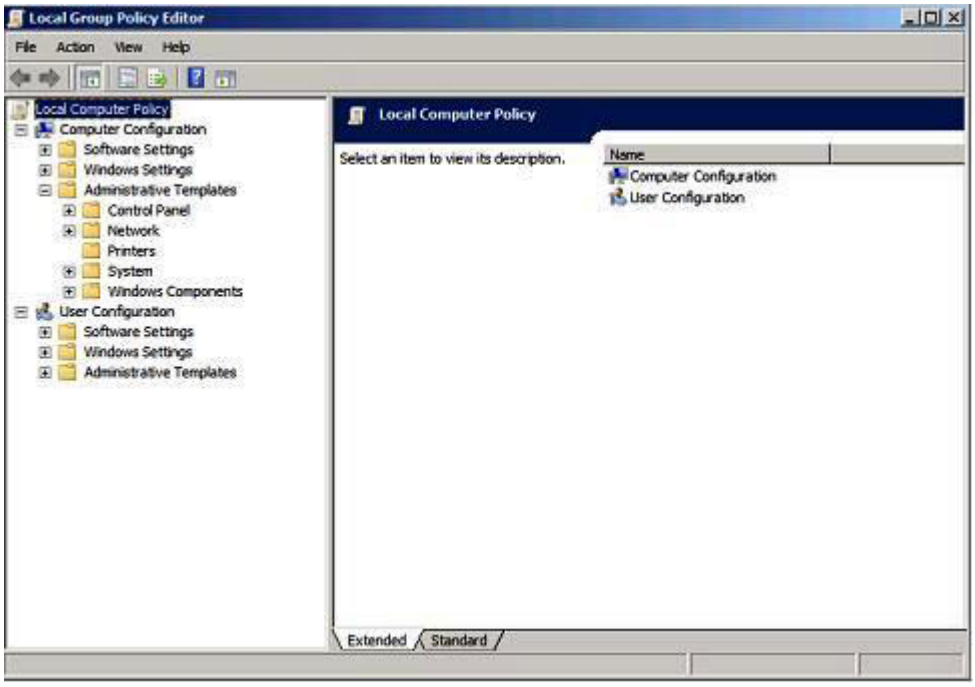

Figure 86. Local Computer Policy configuration

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

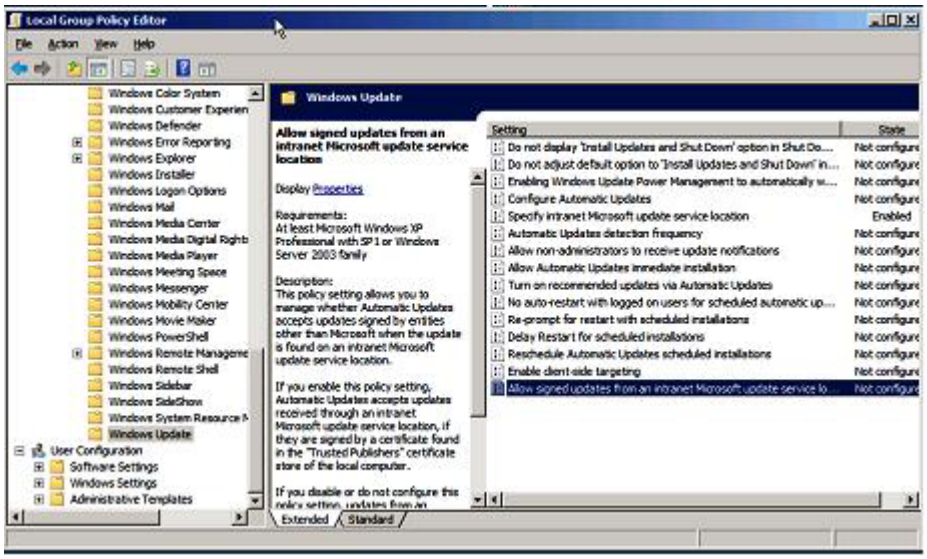

Figure 87. Allowing signed updates from an intranet Microsoft update service location

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

1. 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**.

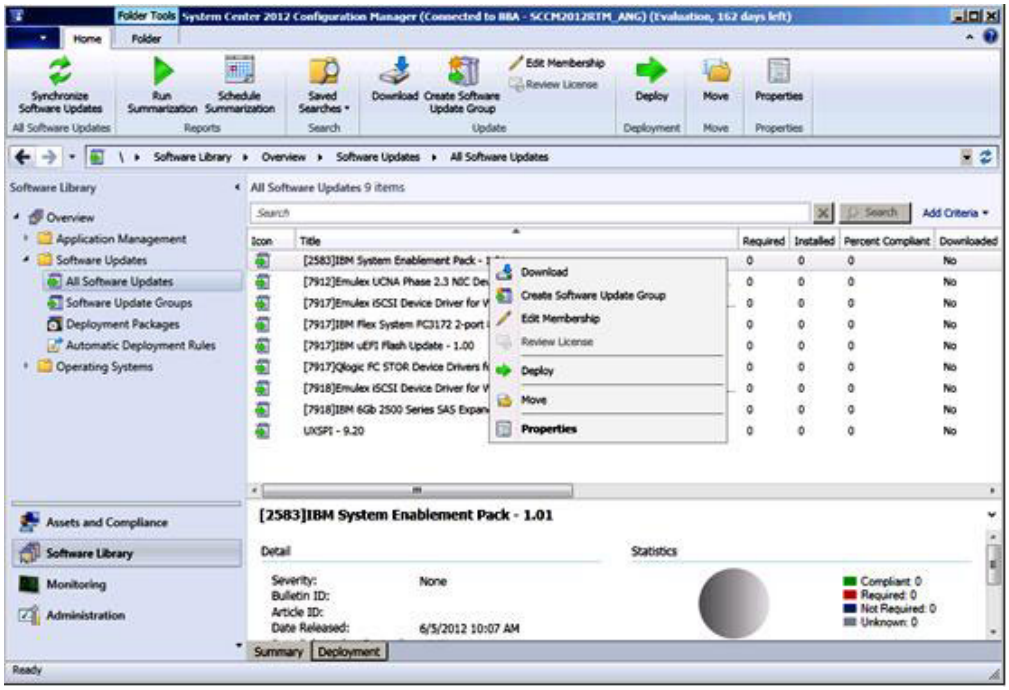

Figure 88. Deploy Software Updates

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

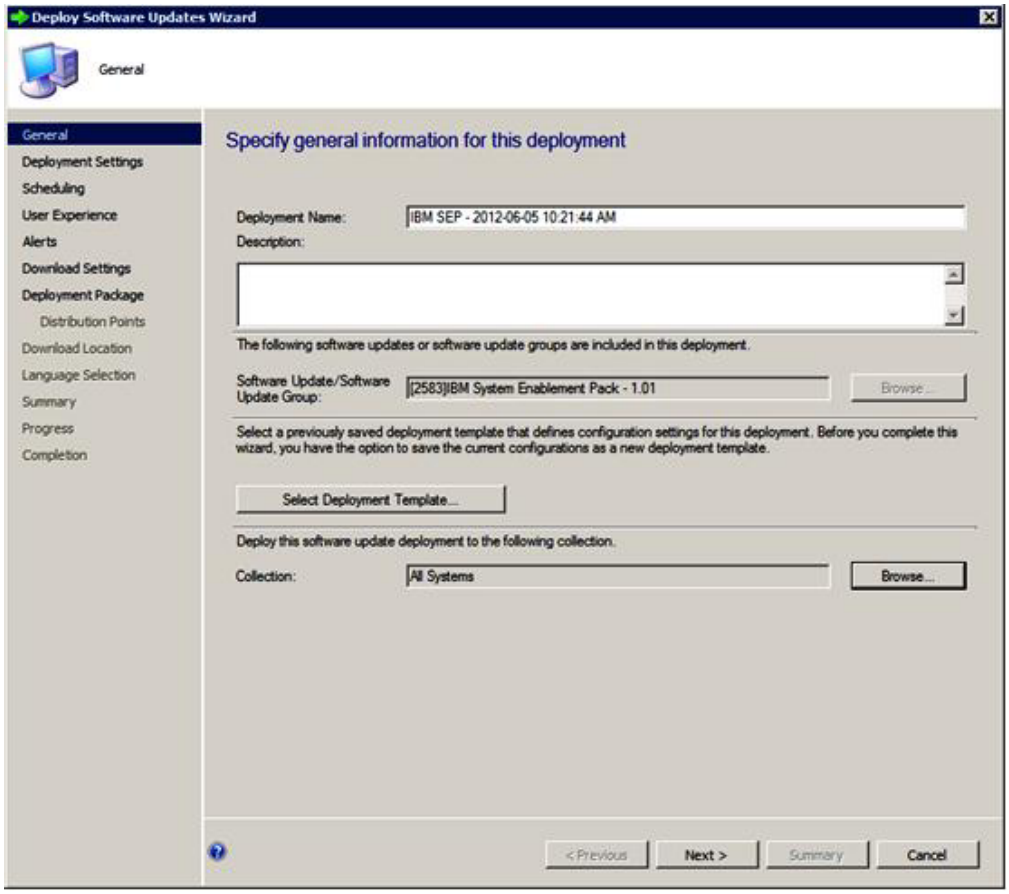

Figure 89. Deploy Software Updates Wizard - General

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.

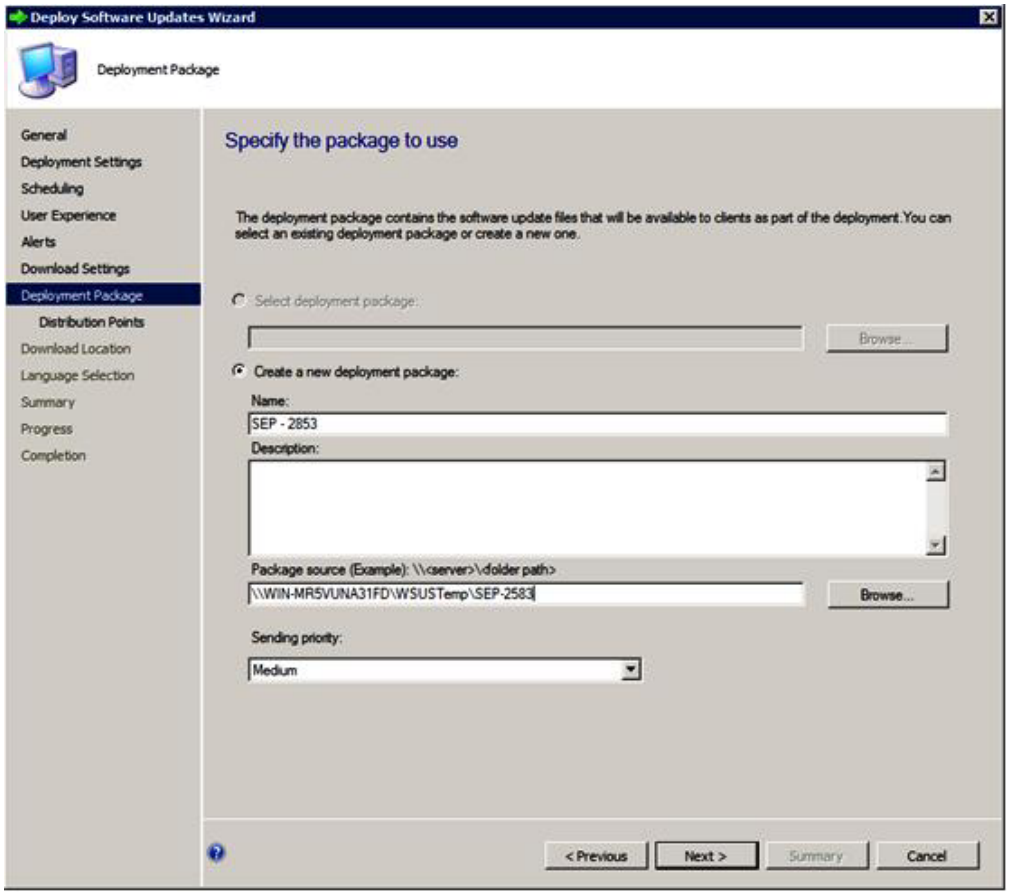

Figure 90. Deployment package page

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 priority**list.
   f. Click **Next**.

   The Distribution Points page opens.

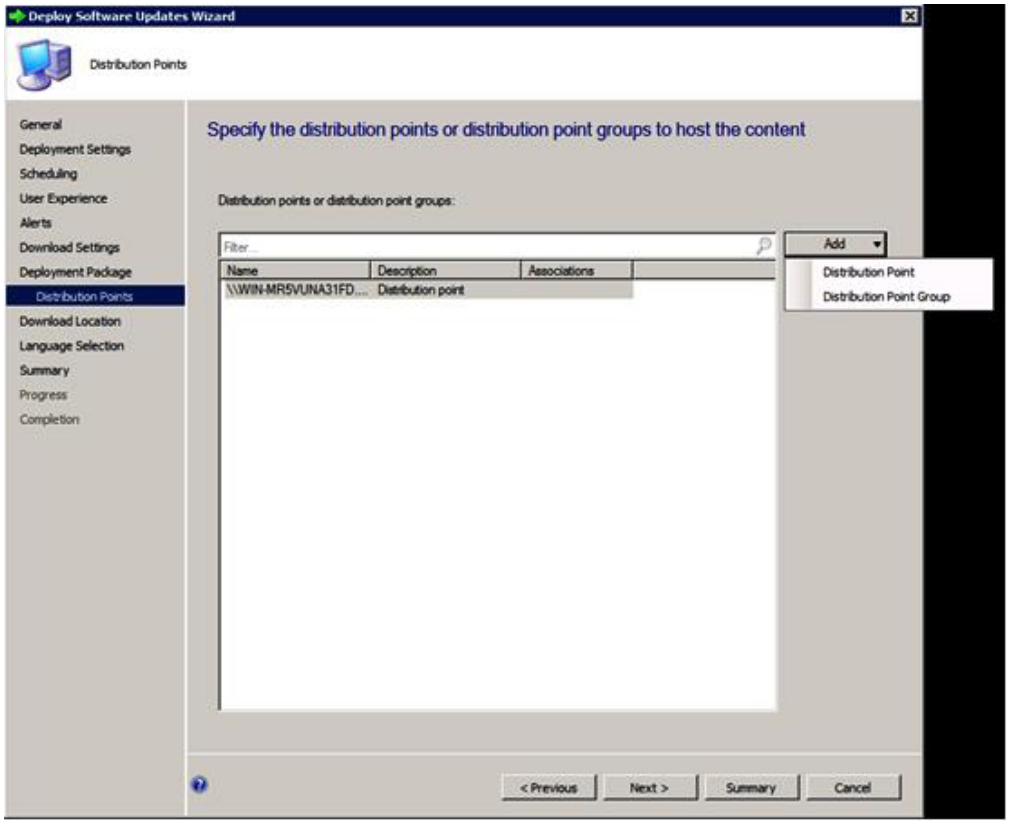

Figure 91. Distribution Points page

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.

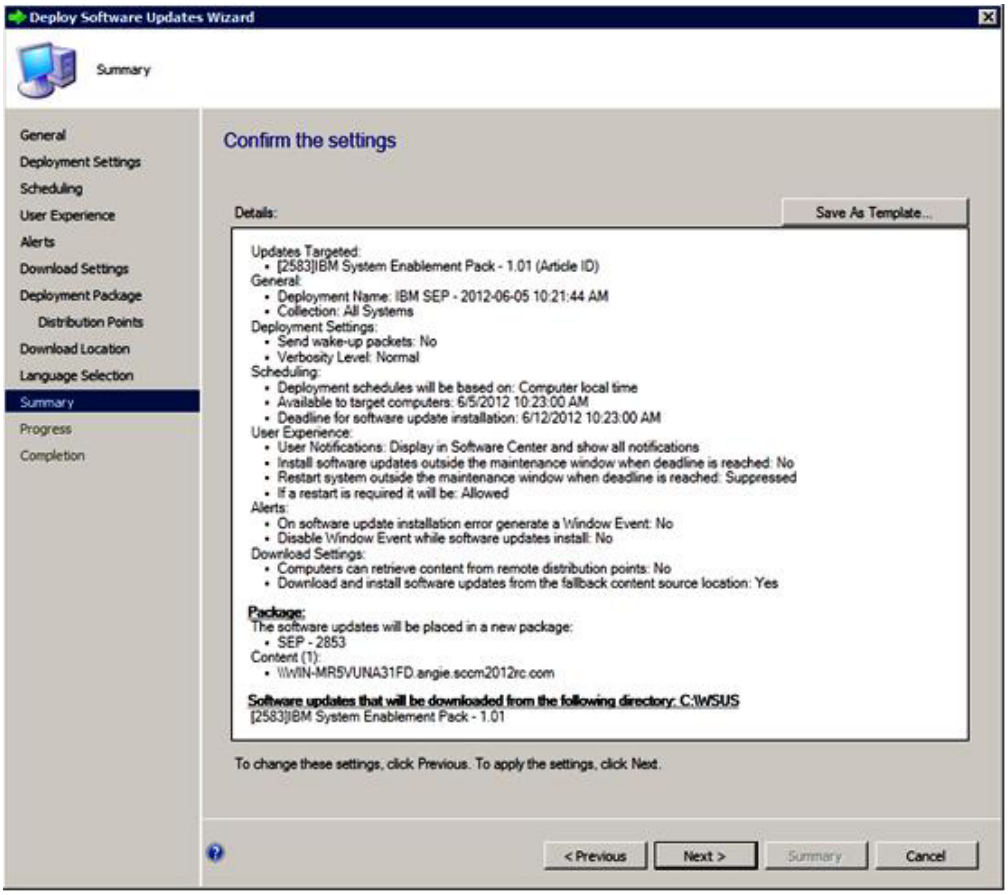

Figure 92. Deployment Software Updates Wizard summary

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

1. 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

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

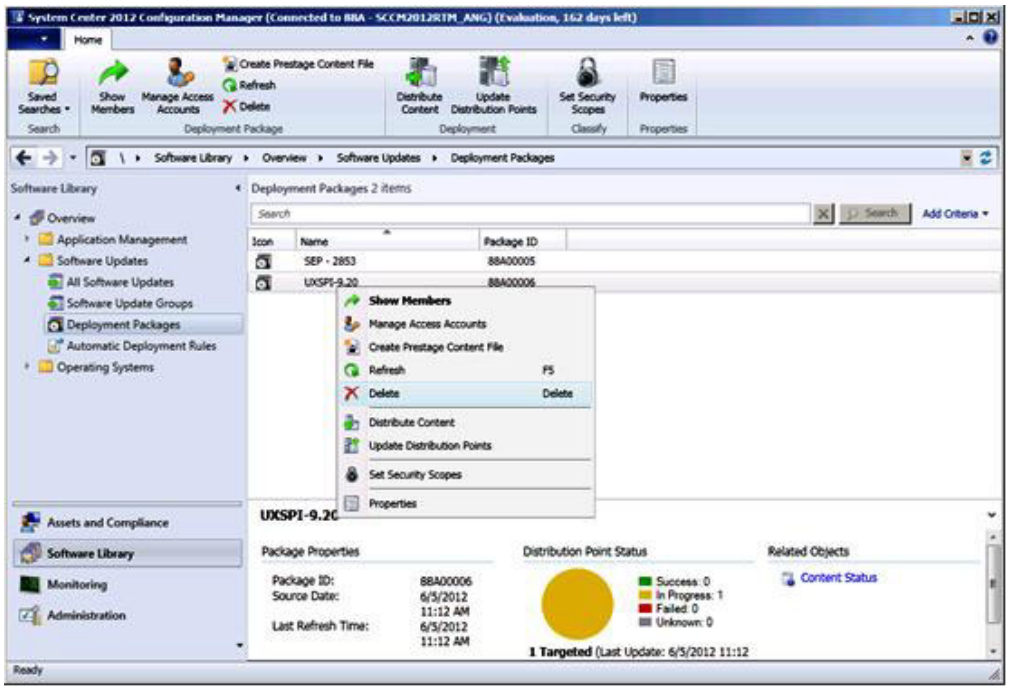

Figure 93. Deleting the old UXSPI advertisement

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.

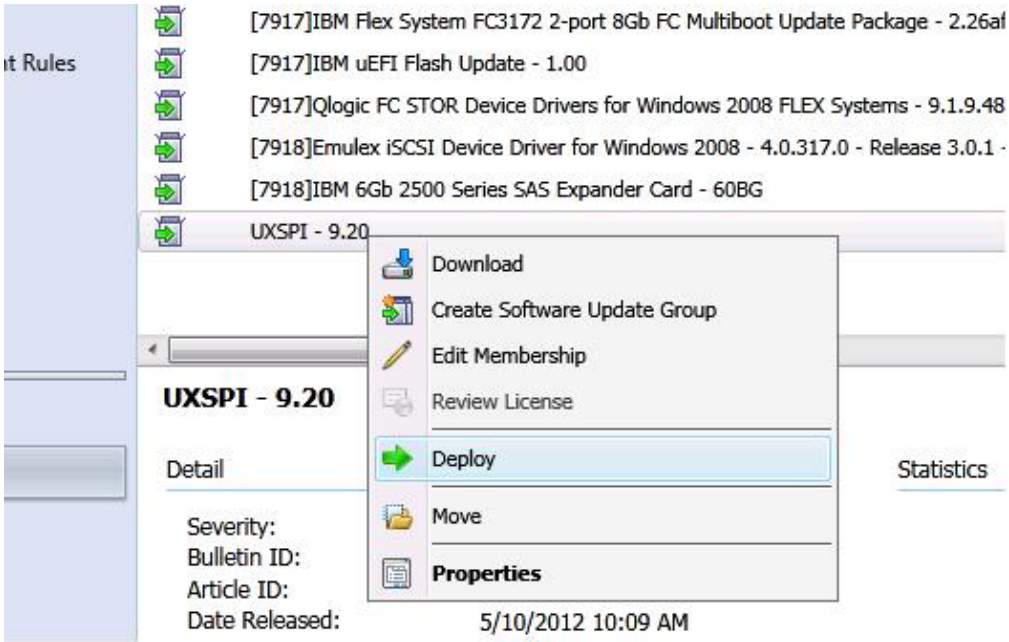

Figure 94. Deploying the UXSPI software package

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

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

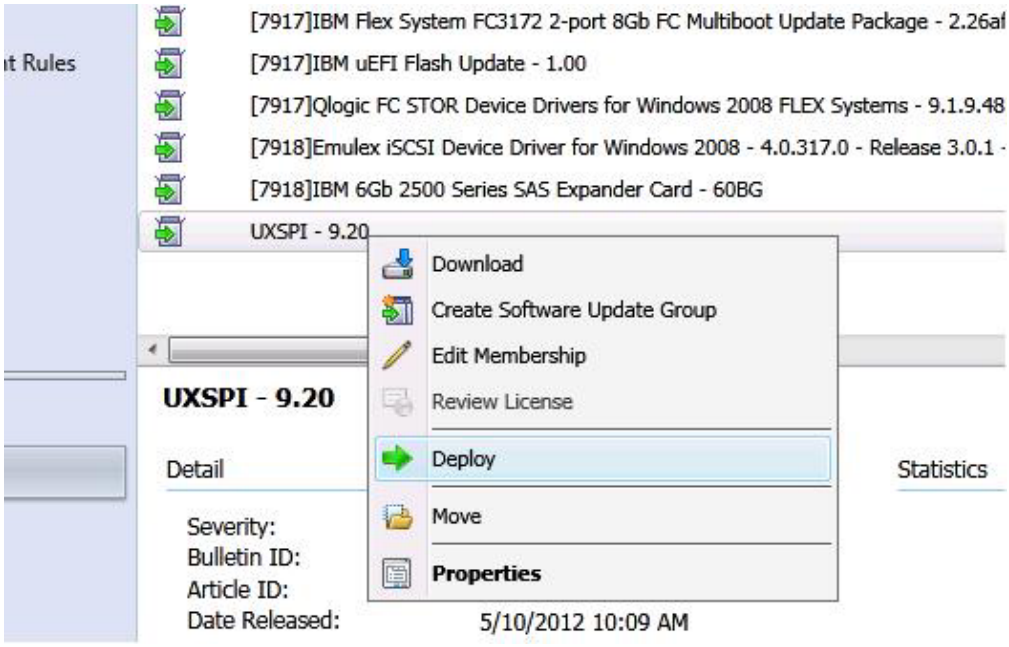

Figure 95. Deploying the UXSPI software package

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

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

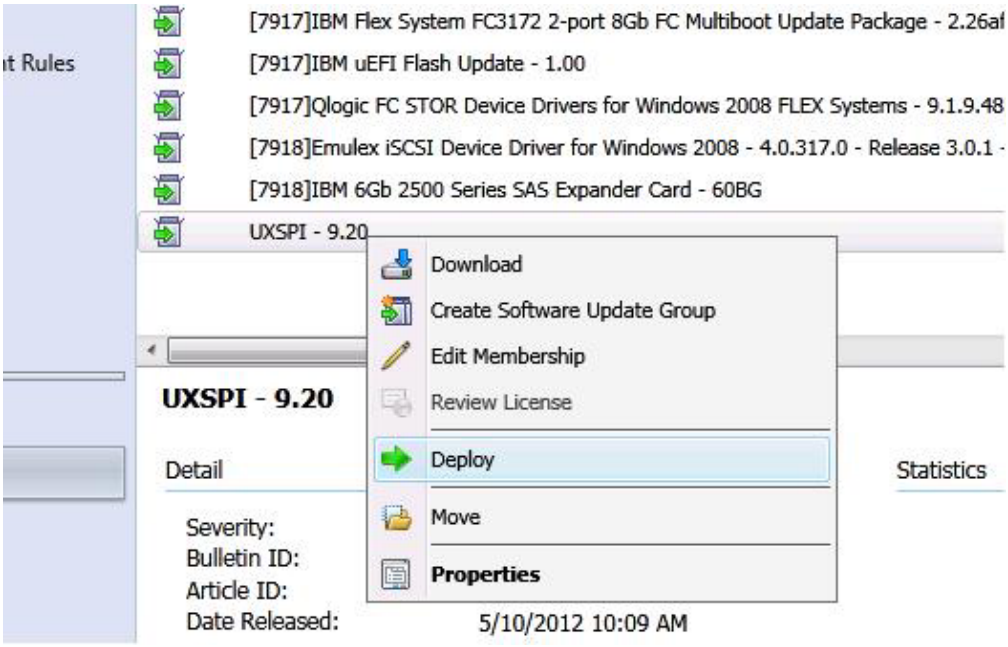

Figure 96. Selecting an existing UXSPI deployment package

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.

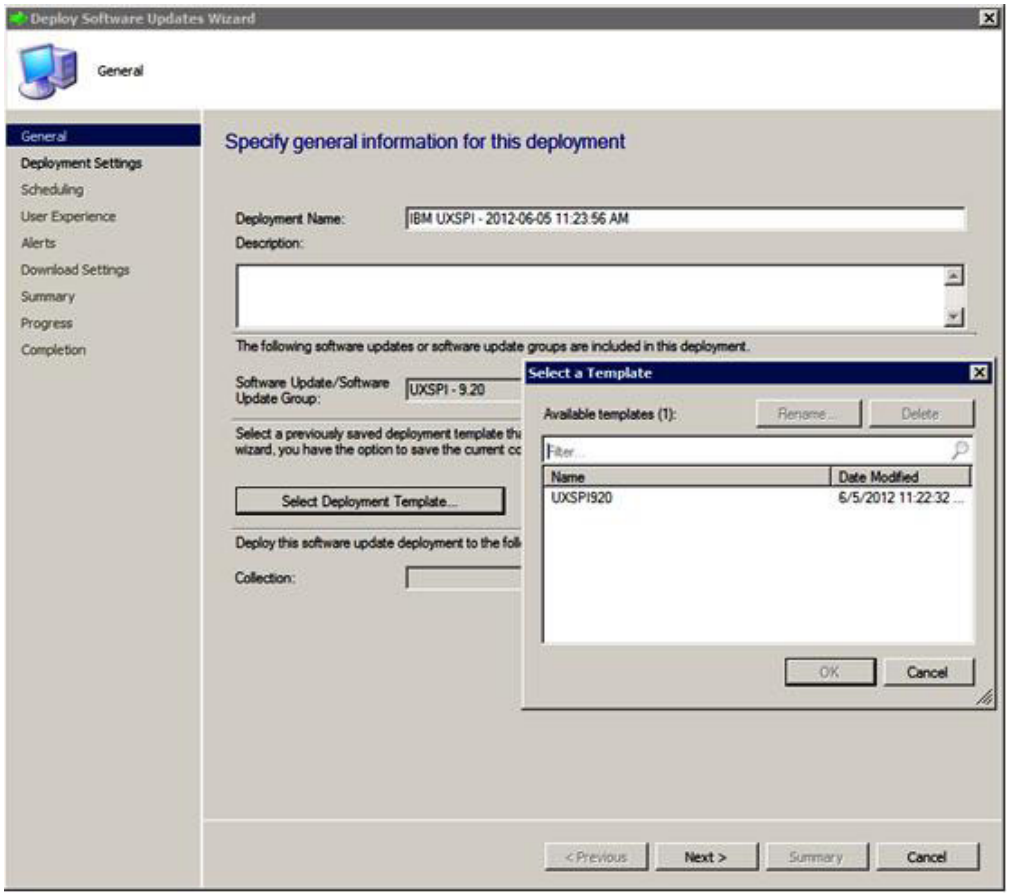

Figure 97. Software updates using a template

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.

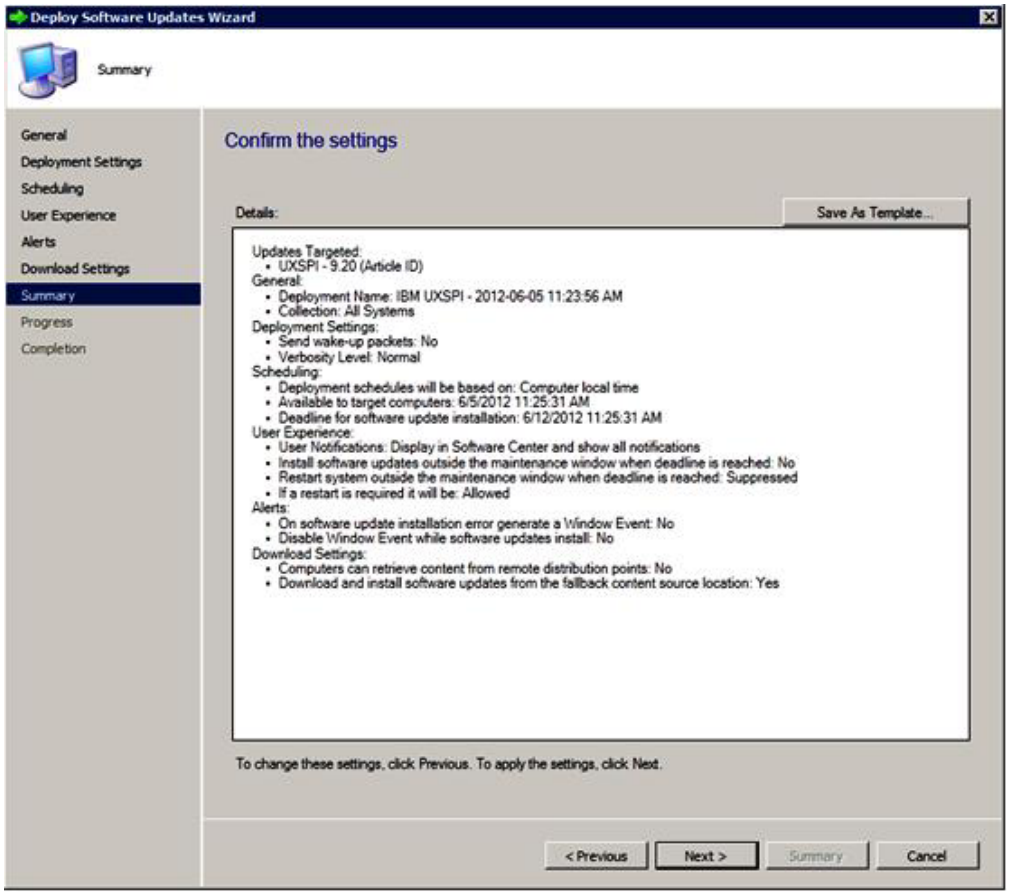

Figure 98. Summary page

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

1. 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.

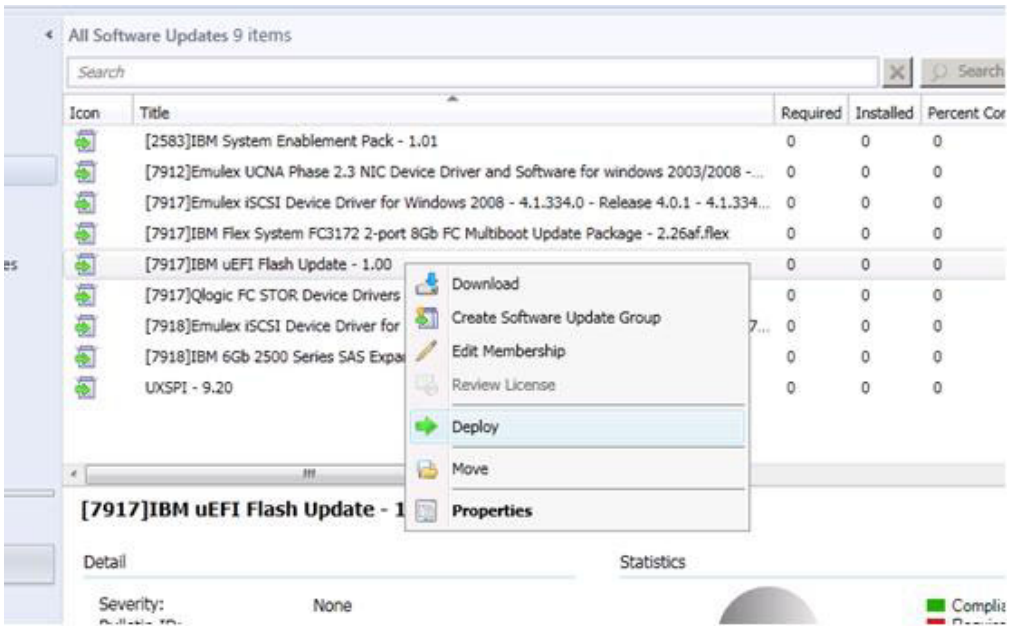

Figure 99. Deploying Lenovo updates from the SCCM server to the SCCM client

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

© Lenovo 2014. Portions © IBM Corp. 2014.

Table 2. Supported systems (continued)

Product family name	Machine type
IBM Smart Analytics	7949
IBM System x3100 M4	2582
IBM System x3100 M5	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.

© Lenovo 2014. Portions © IBM Corp. 2014.

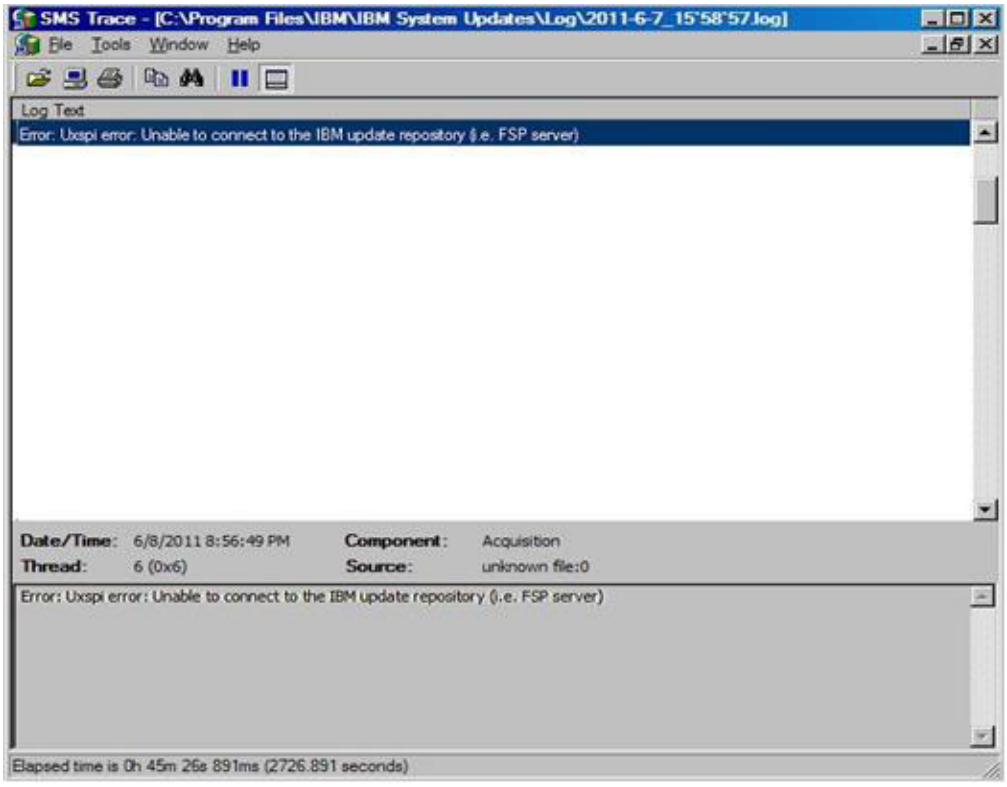

Figure 100. Unable to connect to the update repository error

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.

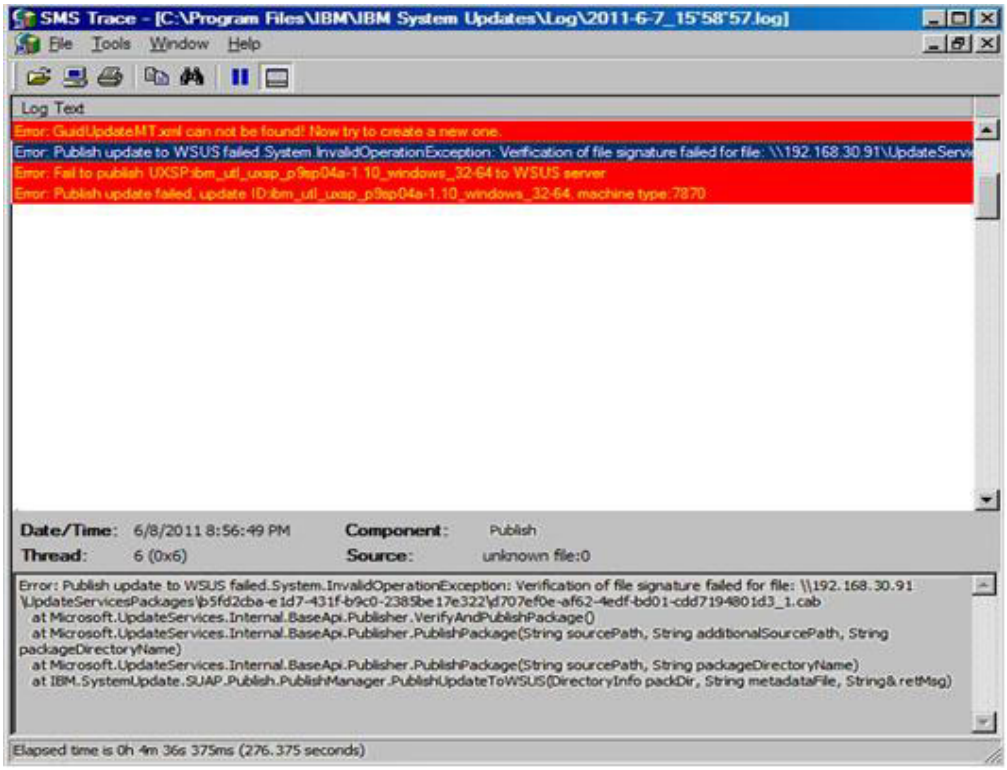

Figure 101. Failure to verify the file signature

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.

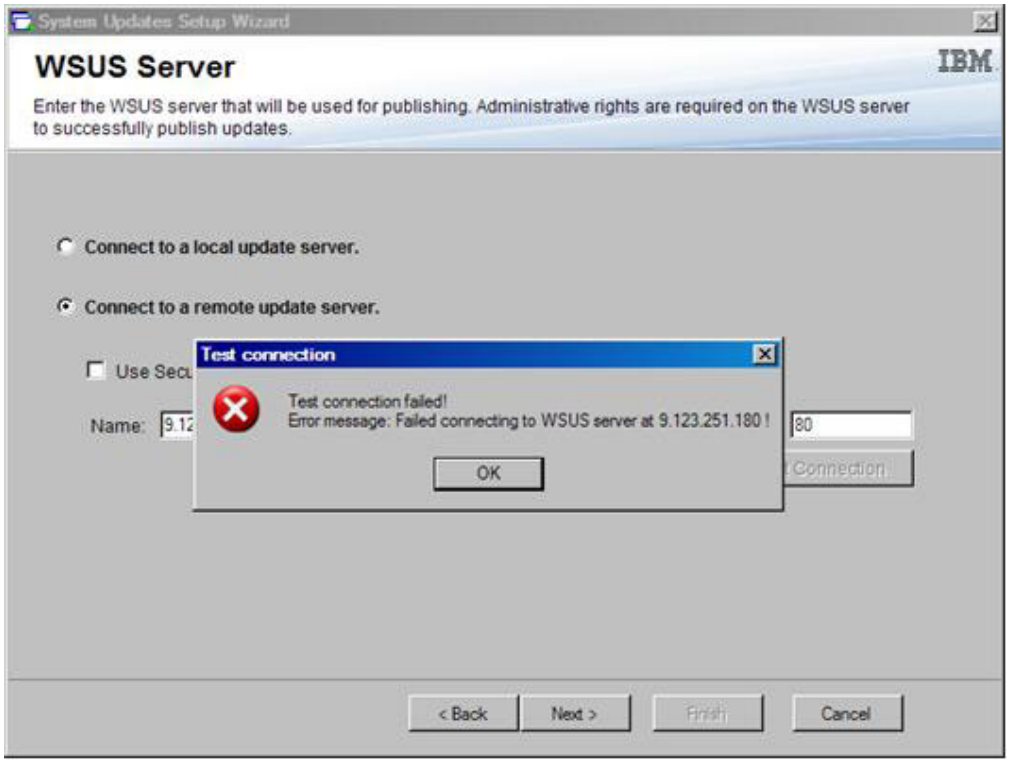

Figure 102. Connection to WSUS server failure message

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.

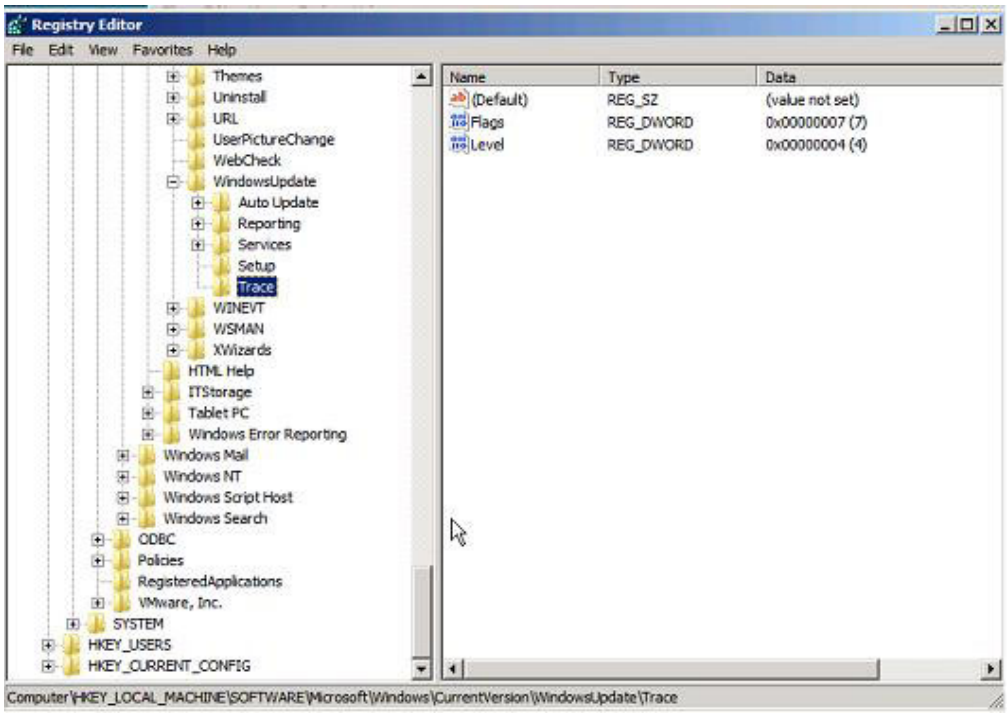

Figure 103. Changing the trace registry key

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**.

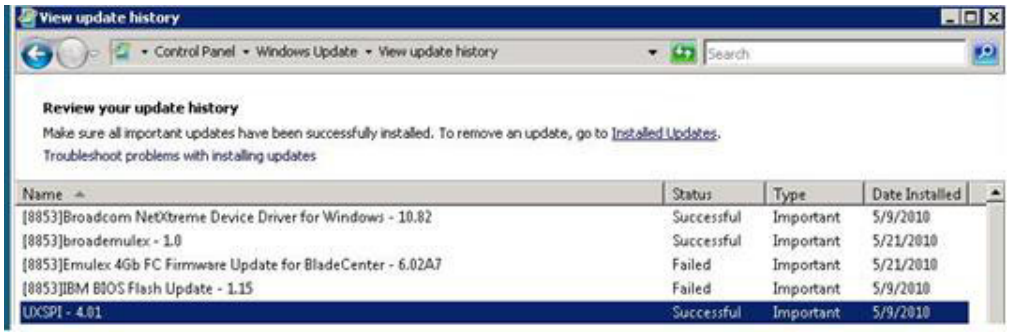

Figure 104. Viewing update history on client system

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

Table 3. Error codes

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

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.

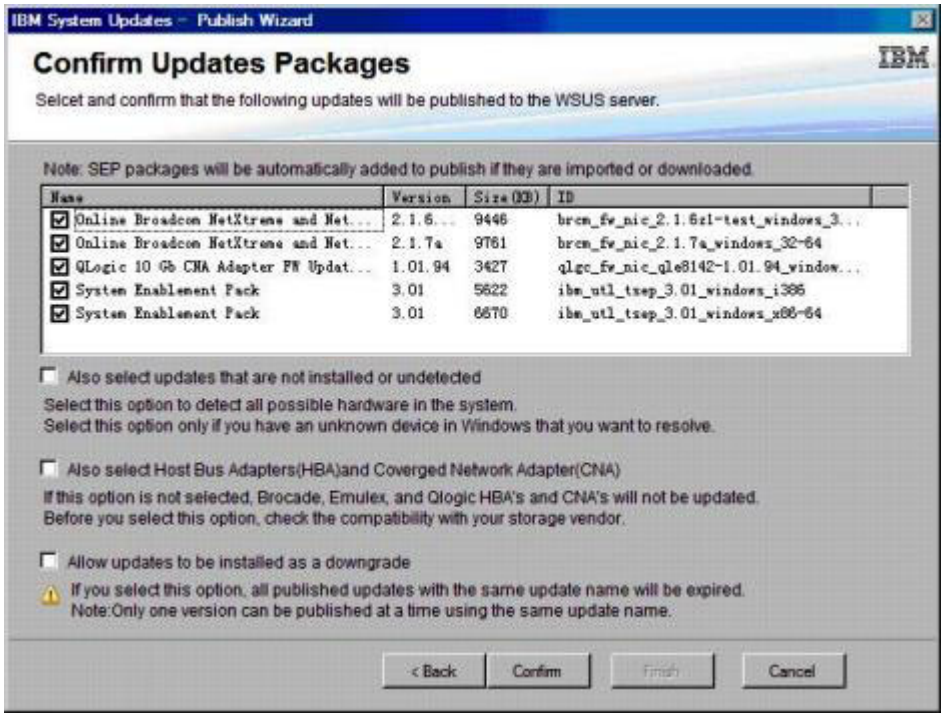

Figure 105. Publish Wizard Confirm Updates Packages

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.

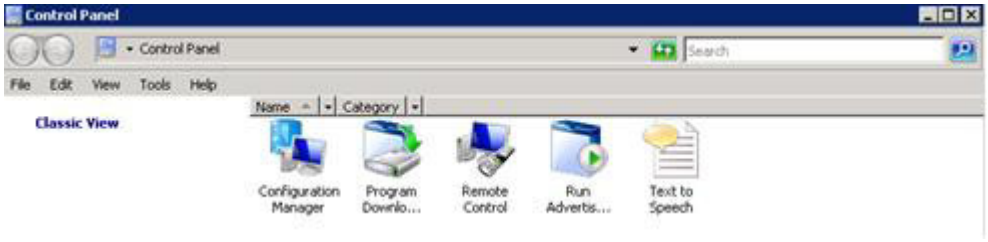

Figure 106. SCCM Agents in Control Panel

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

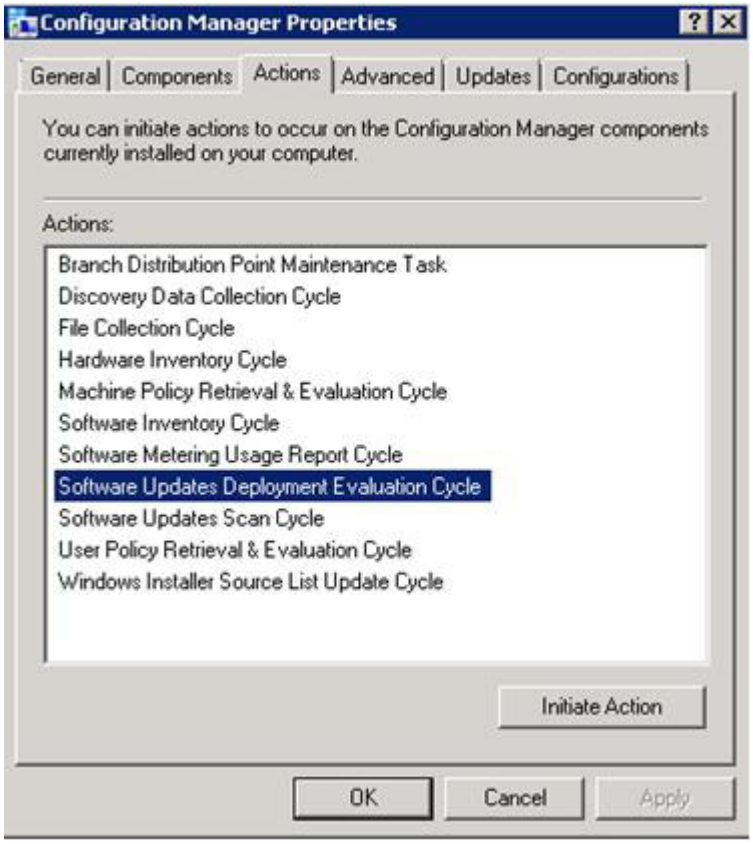

Figure 107. Initiating Configuration Manager properties

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.

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

Lenovo System Updates for Microsoft System Center Configuration Manager, v5.6 supports the accessibility features of the system-management software in which they are integrated. Refer to your system-management software documentation for specific information about accessibility features and keyboard navigation.

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

You can view the publications for Lenovo System Updates for Microsoft System Center Configuration Manager, v5.6 in Adobe Portable Document Format (PDF) using the Adobe Acrobat Reader. You can access the PDFs from the Lenovo System Updates for Microsoft System Center Configuration Manager, v5.6 download site.

Lenovo and accessibility

See the Lenovo Accessibility Features website for more information about the commitment that Lenovo has to accessibility.

© Lenovo 2014. Portions © IBM Corp. 2014.

Notices

Lenovo may not offer the products, services, or features discussed in this document in all countries. Consult your local Lenovo representative for information on the products and services currently available in your area.

Any reference to a Lenovo product, program, or service is not intended to state or imply that only that Lenovo product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any Lenovo intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any other product, program, or service.

Lenovo may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not give you any license to these patents. You can send license inquiries, in writing, to:

Lenovo (United States), Inc.
1009 Think Place - Building One
Morrisville, NC 27560
U.S.A.
Attention: Lenovo Director of Licensing

LENOVO PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. Lenovo may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

The products described in this document are not intended for use in implantation or other life support applications where malfunction may result in injury or death to persons. The information contained in this document does not affect or change Lenovo product specifications or warranties. Nothing in this document shall operate as an express or implied license or indemnity under the intellectual property rights of Lenovo or third parties. All information contained in this document was obtained in specific environments and is presented as an illustration. The result obtained in other operating environments may vary.

Lenovo may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Any references in this publication to non-Lenovo Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this Lenovo product, and use of those Web sites is at your own risk.

© Lenovo 2014. Portions © IBM Corp. 2014.

Any performance data contained herein was determined in a controlled environment. Therefore, the result obtained in other operating environments may vary significantly. Some measurements may have been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems. Furthermore, some measurements may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

Trademarks

Lenovo, the Lenovo logo, Flex System, System x, and NeXtScale System are trademarks of Lenovo in the United States, other countries, or both.

Intel and Intel Xeon are trademarks of Intel Corporation in the United States, other countries, or both.

Internet Explorer, Microsoft, and Windows are trademarks of the Microsoft group of companies.

Linux is a registered trademark of Linus Torvalds.

Other company, product, or service names may be trademarks or service marks of others.

Important notes

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

When referring to processor storage, real and virtual storage, or channel volume, KB stands for 1 024 bytes, MB stands for 1 048 576 bytes, and GB stands for 1 073 741 824 bytes.

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

Lenovo makes no representations or warranties with respect to non-Lenovo products. Support (if any) for the non-Lenovo products is provided by the third party, not Lenovo.

Some software might differ from its retail version (if available) and might not include user manuals or all program functionality.

Index

A

about this publication ix
Accessibility features 117
adding a new UXSPI package to an existing UXSPI deployment package 97
adding a System Update Point Role 66
adding and removing machine types using My Machines view 55
adding certificates 22
adding the System Update Point Role in SCCM 87
Adobe Acrobat Reader xi
All Updates view 30

C

changing the log level value in the registry does not take effect 110
checking all of the updates from WSUS 48
Checking all updates from the Lenovo website 36
checking deployment prerequisites for Lenovo updates 86
checking selected updates from WSUS 48
checking WSUS updates 47
configuring a client machine 88
configuring a WSUS server 17
configuring a WSUS server certificate 20
configuring and signing certificates 23
configuring outbound connectivity 24
configuring the local repository 26
conventions and terminology ix
creating an update sequence 45

D

deleting selected updates from the Updates repository 55
deploying a new UXSPI package to coexist with a prior package 97
deploying a UXSPI package from the SCCM server to the SCCM client 95
deploying and upgrading UXSPI by adding the new version to an existing package 79
deploying and upgrading UXSPI to a newer version 76
deploying and upgrading UXSPI when new and old packages coexist 78
deploying Lenovo in MSCCM 66
deploying Lenovo updates from the SCCM server to the SCCM client 100
deploying Lenovo updates in SCCM 86
deploying SEP from the SCCM server to the SCCM client 69, 90
deploying UXSPI from the SCCM server to the SCCM client 74, 94
deploying UXSPI from the SCCM server to the SCCM client when UXSPI is not deployed 75
deploying UXSPI from the SCCM server to the SCCM client when UXSPI was deployed 76
deploying UXSPI from the SCCM server to the SCCM client with a prior UXSPI version deployed 95
deploying UXSPI from the SCCM server to the SCCM client with no prior UXSPI version 95
Download and Publish Wizard 40
download updates from the Lenovo website failed 107
downloading and publishing selected updates to a WSUS server 39
downloading selected updates from the Lenovo website 38

E

expiring selected updates from WSUS 49
expiring selected updates to WSUS without a license 51

F

free features 2

G

generating an Updates Comparison Report 57

H

hardware requirements 3
Home view 15
how to configure the SUAP log file 107

I

IBM ServerProven websites xii
important notices 120
Importing updates using the Import Wizard 32
information resources xi
installing the System Updates tool 5

L

Lenovo System x integration offerings website xi
Lenovo systems management solutions website xii

M

Microsoft System Center Configuration Manager 2007 xii

N

New in this release 1
notes, important 120
notices 119

P

pdf files xi
premium features 2
Publish Wizard 45
publishing selected updates to the WSUS Updates server 44

R

required software 3
required software for client and server machines 105

S

saving pdf files xi
scanning clients for updates compliance 62
sequence package does not install on the client system 116
Setup Wizard 16
supported client systems 103
supported Microsoft System Center products 103
supported operating systems 3
supported operating systems for client machines 105
Synchronizing software updates 83
synchronizing the update repository 63
System Enablement Pack 3
System Updates Acquisition and Publishing Tool 15
System Updates overview 1
System Updates support for Lenovo systems 2

T

Technical support portal xii
trademarks 120
Trial license 1
trial period 1
troubleshooting 107

© Lenovo 2014. Portions © IBM Corp. 2014.

U

unable to expire updates from the Lenovo SUAP Tool 115
unable to install Lenovo updates on the SCCM client 115
uninstalling the System Updates tool 13
update does not install on a client machine 111
updates do not deploy from the SCCM server to the SCCM client 110
updates do not deploy to the SCCM client due to firewall restriction 111
updates fail due to the SSL connection failing 109
updates fail to publish from the SUAP tool to WSUS 108
updates fail to publish from the SUAP tool to WSUS due to verification error 108
updates for QLogic might not be installed 113
updates may require restarting the client server to finish the installation 113
upgrading UXSPI 28
Using the Download Wizard 39
using the SSL for a WSUS server 17

V

viewing machine types 28
viewing published updates 84
viewing the journal of updates deployment results 60
viewing the results of an updates deployment 60

W

Web resources xi
WSUS notification is slow to appear on SCCM client 113

Printed in USA