lenovo

Lenovo Inventory Tool for Microsoft System Center Configuration Manager User's Guide

Version 5.6

lenovo

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Note

Before using this information and the product it supports, read the information in "Notices" on page 43.

Edition Notice

This edition applies to the Lenovo Inventory Tool for Microsoft System Center Configuration Manager, v5.6 and to all subsequent releases and modifications until otherwise indicated in new editions.

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About this publication

This User's Guide provides the latest information for Lenovo Inventory Tool for Microsoft System Center Configuration Manager 2007. Lenovo Inventory Tool is used to view Lenovo hardware inventory of the SCCM client.

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.

Table 1. Frequently used terms and acronyms

Term or acronym	Definition
DSA	Lenovo Dynamic System Analysis
MSCCM	Microsoft System Center Configuration Manager
SCCM	System Center Configuration Manager
SEP	Lenovo System Enablement Pack
SSL	Secure Sockets Layer
UXSP	UpdateXpress System Packs
UXSPi	UpdateXpress System Pack
WSUS	Windows Server Update Services

X Lenovo Inventory Tool for Microsoft System Center Configuration Manager, v5.6 User's Guide

Information resources

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

PDF files

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

Downloading Adobe Acrobat Reader

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

Viewing and printing PDF files

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

- Lenovo Inventory Tool for Microsoft System Center Configuration Manager release notes
- Lenovo Inventory Tool for Microsoft System Center Configuration Manager 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 in which you want to save the PDF file.

4. Click Save.

World Wide Web resources

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

IBM website for Microsoft Systems Management Solutions for IBM Servers

IBM System x Integration Offerings for Microsoft Systems Management Solutions portal

Locate the latest downloads for Lenovo Inventory Tool for Microsoft System Center Configuration Manager, v5.6.

IBM Systems Technical support site

Support Portal.

Locate support for IBM hardware and systems management software.

IBM Systems Management Software: Download Software Registration

IBM Systems Director Downloads

Download IBM systems management software, including IBM Systems Director.

IBM System x Systems Management page

IBM Systems Director systems management solutions for System x

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

IBM ServerProven[®] pages

IBM ServerProven: Compatibility for hardware, applications, and middleware

IBM ServerProven: Compatibility for BladeCenter products

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

Microsoft System Center Configuration Manager page

TechNet Library: Configuration Manager 2007

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

The topics in this section provide a description of Lenovo Inventory Tool for Microsoft System Center Configuration Manager, v5.6.

Through its alliance with Microsoft System Center products Microsoft System Center Configuration Manager 2007 (SCCM), Lenovo Inventory Tool for Microsoft System Center Configuration Manager, v5.6 reduces the time and effort it takes to view the hardware inventory of clients from the server.

Trial license support

Lenovo Inventory Tool is a fee-based product that provides an inventory of various system components and configurations, including an overview of the system, memory, BIOS/UEFI, drivers, IMM configuration, and options (such as LSI, Qlogic, Brocade, Broadcom, Mellanox, and Emulex). The trial license makes a few of these basic inventory options available, such as system overview, memory, and BIOS/UEFI.

To enable the other premium features, after the product license is activated, you must run the Lenovo Inventory Tool server configuration from the **Start** menu.

Premium features

Premium features are available when the Lenovo Inventory Tool installation is registered with a license for Lenovo Upward Integration for Microsoft System Center v4.0 or later.

You can purchase Activation licenses by contacting your Lenovo representative or a Lenovo Business Partner. You can also purchase a product license for IBM Upward Integration for MSSC v3.0 online from IBM.

The following feature is a fee-based function that is enabled with a valid product license of v4.0 or later:

• The ability to configureSCCM server to collect Lenovo hardware inventory of drivers, IMM configuration, and options (such as LSI, Qlogic, Brocade, Broadcom, Mellanox, and Emulex).

How Lenovo Inventory Tool for Microsoft System Center Configuration Manager, v5.6 supports Lenovo systems

Lenovo Inventory Tool for Microsoft System Center Configuration Manager, v5.6 provides the ability to view an Lenovo hardware inventory of the SCCM client from the SCCM server.

Lenovo Inventory Tool hardware and software requirements

The topics in the section describe the hardware and software requirements for Lenovo Inventory Tool.

Hardware requirements

Lenovo Inventory Tool can be run on a non-Lenovo server or Lenovo server that supports the Windows operating system and SCCM.

Supported operating systems

Lenovo Inventory Tool tool supports the following Windows operating systems:

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

Required software

Microsoft System Center Configuration Manager 2007 or 2012 is required.

Chapter 2. Lenovo Inventory Tool installation

The topics in this section describe how to install and uninstall Lenovo Inventory Tool.

Downloading and installing Lenovo Inventory Tool

This topic describes how to install Lenovo Inventory Tool.

Before you begin

There are two methods for installing Lenovo Inventory Tool for Microsoft System Center Configuration Manager, v5.6. The first method uses the Lenovo Inventory Tool 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 IBM Upward Integration for Microsoft System Center bundle - IBM BladeCenter and System x.

Procedure

- 1. Go to IBM System x Integration Offerings for Microsoft Systems Management Solutions.
- 2. Click Microsoft System Center Configuration Manager (SCCM), Inventory Tool to download the latest version of Lenovo Inventory tool. The Preparing to Install page for Lenovo Inventory Tool opens.
- **3**. Click **Next**. The InstallShield Wizard page opens. If for some reason you need to stop the installation, click **Cancel**.

Lenovo Inventory Tool for Microsoft System Center Configuration Manage... Preparing to Install... Lenovo Inventory Tool for Microsoft System Center Configuration Manager, v5.6 Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait. Extracting: Lenovo Inventory Tool for Microsoft System Center Configuration Manager, v5.6.msi

Figure 1. Preparing to Install Lenovo Inventory Tool

Note: If Microsoft System Center Configuration Manager 2007 or later is not installed on your system, the following message is displayed. Click **OK** to stop the program and complete the installation.



Figure 2. SCCM 2007 or later not installed message

4. While the program installs, click **Next** to proceed to the License Agreement page.



Figure 3. InstallShield Wizard Welcome page for Lenovo Inventory Tool

5. Read the license agreement terms, and then select **I accept the terms in the license agreement**. Click **Next**.

😼 Lenovo Inventory Tool for Microsoft System Center Con 💻 🗖 🗙					
Software License Agreement Please read the following license agreement carefully.					
1. IBM International License Agreement for Evaluation of Programs 2. IBM International Program License Agreement					
If Licensee is obtaining the Program for purposes of productive use (other than evaluation, testing, trial "try or buy," or demonstration): By clicking on the "Accent" button below. Licensee accents the IBM International Program.					
Read Non-Lenovo Terms					
 I accept both the Lenovo and the non-Lenovo terms. I do not accept the terms in the license agreement. InstallShield 					
Print < Back Next > Cancel					

Figure 4. Software License agreement

6. If no product license is activated, the Trial Version page opens. (If a product license is activated, the Destination Folder page opens and you can proceed to step 7.) On the Trial Version page, click **Contact Lenovo** to obtain a valid product license, then click **Next** to proceed to the Destination Folder page.

😸 Lenovo Inventory Tool for Microsoft System Center Configuration
Trial Version
License not detected
License is not found on this server. The trial period of this product lasts for 90 days.
Lenovo Inventory Tool is a totally fee-based product. The tool can provide hardware inventory of System Overview, Memory, BIOS/UEFI, IMM Configuration, options of LSI, Qlogic, Brocade, Broadcom, Mellanox and Emulex. If with trial license, which only enable a few basic inventory such as System Overview, Memory and BIOS/UEFI.
Contact Lenovo
InstallShield
< Back Next > Cancel

Figure 5. Trial Version page

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

🛃 Lenovo	o Inventory Tool for Microsoft System Center Configuration 🗴
Destinati Click Ne:	on Folder At to install to this folder, or click Change to install to a different folder.
Ø	Install Lenovo Inventory Tool for Microsoft System Center Configuration Manager, v5.6 to:
	C:\Program Files (x86)\Lenovo\Lenovo Inventory Tool\ Change
TostallShield	
nistaioniela -	< Back Next > Cancel

Figure 6. Destination folder

8. On the Lenovo Inventory Tool Client Run Cycle page, either click **Next** to use the default run cycle value, or enter a different run cycle value.

B Lenovo Inventory Tool for Microsoft System Center Configuration
Lenovo Inventory Tool Client Run Cycle Click Next to use default run cycle value, or enter a different run cycle value.
Client Run Cycle:
InstallShield

Figure 7. Lenovo Inventory Tool Run Cycle

Note: The value ranges for the client run cycle are 1 through 65 for **Day** and 1 through 52 for **Week**. If you enter a value that is not valid, the installation will not continue.

B Lenovo Inventory Tool for Microsoft System Center Configuration
Lenovo Inventory Tool Client Run Cycle Click Next to use default run cycle value, or enter a different run cycle value.
Client Run Cycle:
Invalid value. Valid range: Day 1-365, Week 1-52.
InstallShield

Figure 8. Example of invalid value for Week

9. On the Ready to Install the Program page, click **Install** to begin the installation. If you want to review or change any of your installation settings, either click **Back** to change them, or click **Cancel** to exit the wizard.

😼 Lenovo Inventory Tool for Microsoft System Center Configuration
Ready to Install the Program The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield
< Back Install Cancel

Figure 9. Ready to install the program page

🖞 Lenovo	o Inventory Tool for Microsoft System Center Con 🗕 🗖 🗴
Installing Configura The prop	g Lenovo Inventory Tool for Microsoft System Center ation Manager, v5.6 gram features you selected are being installed.
ı.	Please wait while the InstallShield Wizard installs Lenovo Inventory Tool for Microsoft System Center Configuration Manager, v5.6. This may take several minutes. Status:
InstallShield -	< Back Next > Cancel

Figure 10. Installation progress being depicted

10. When the installation is complete, the InstallShield Wizard Completed page opens. Click **Finish** to exit the wizard.

😸 Lenovo Inventory Tool for Microsoft System Center Configuration 🗴				
	InstallShield Wizard Completed The InstallShield Wizard has successfully installed Lenovo Inventory Tool for Microsoft System Center Configuration Manager, v5.6. Click Finish to exit the wizard.			
	< Back Finish Cancel			

Figure 11. InstallShield Wizard Completed

Uninstalling Lenovo Inventory Tool

There are four methods for uninstalling Lenovo Inventory Tool for Microsoft System Center Configuration Manager, v5.6.

To uninstall Lenovo Inventory Tool use one of the following methods.

- Uninstall by using Add or Remove Programs. For the Windows Server 2008 operating system, you can use Programs and features to uninstall.
- Select the **Remove** option for Lenovo Inventory Tool 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.

Chapter 3. Working with Lenovo Inventory Tool and System Center Configuration Manager 2007

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

Deploy the Lenovo Inventory Tool Client package from the Microsoft System Center Configuration Manager server to the Microsoft System Center Configuration Manager client

This topic describes how to deploy an Lenovo Inventory Tool Client package from the SCCM server to the SCCM client.

About this task

The Lenovo Inventory Tool Client package contains the file Lenovo Inventory Tool Client Setup.msi, which is used to install Lenovo Inventory Tool Client to the target machine.

Procedure

- 1. Open the SCCM console.
- 2. Expand **Software Distribution** > **Packages** > **Lenovo Inventory Tool Client** and then right-click **Lenovo Inventory Tool Client**.

🚝 Configuration Manager Console						
🔚 File Action View Window Help						
🗢 🔿 🖄 📧 🖬						
System Center Configuration Manager	Packages 1 items found					
Site Database (CZ1 - WIN-E1Q5481ZA5E, suap2007)						
🛨 🤖 Site Management	Look for:		•	in All Columns		 Find Now
🖃 🧱 Computer Management			_			
🕀 🗊 Collections						
Conflicting Records	Name		Manufacturer	Version	Language	Package ID
🖃 🍓 Software Distribution	🚰 Lenovo Inventory Tool Cli	ent				CZ100003
🖃 🚉 Packages						
🖃 🍟 Lenovo Inventory Tool Client	1					
Access Accounts						
Contraction Points						
Programs						
F Package Status						
Advertisements						

Figure 12. Lenovo Inventory Tool Client package

3. Click **Distribute**, then select **Software**.



Figure 13. Distribute Lenovo Inventory Tool Client package

4. On the Welcome page, click Next to distribute the software from the package.

Distribute Package Wizard	×
Welcome	
Welcome Distribution Points Advertise Program Select Program Summary Progress Confirmation	Welcome to the Distribute Package Wizard This wizard will help you distribute a program from the following package: Lenovo Inventory Tool Client You can copy the package to distribution points on your network. You can then advertise a program from this package to members of an existing collection or to a new collection that you create. To distribute a program from this package, click Next.
	< Previous Next > Finish Cancel

Figure 14. Distribute Package Wizard welcome page

5. On the Distribution Points page, select the distribution points where the client accesses this package, and then click **Next**.

				ULIA
Distribute Package Wizard				×
Distribution Points				
Welcome Distribution Points	Specify the distribution points v	where clients will access this p	ackage.	
Advertise Program Select Program Summary Progress	Select the distribution points th previously distributed, some dis distribution point, the package Distribution points:	at you want to copy the pack stribution points might already will be deleted from it.	age to. If the p be selected. If	ackage has been you clear a selected
Confirmation	Name	Site	Type	Select All
	✓ WIN-E1Q5481ZA5E	CZ1-suap2007 < Previous Next >	Server	Clear All Select Group

Figure 15. Distribution points

6. On the Advertise Program page, specify whether to advertise a program from this package to client resources. Select **Yes** and click **Next**.

Distribute Package Wizard		×
Advertise Program		
Welcome Distribution Points Advertise Program	Specify whether to advertise a program from this package to client resources. If the program is not advertised, the package will be distributed only to the distribution points.	
Select Program		r
Summary Progress Confirmation	Package: Lenovo Inventory Tool Client Do you want to advertise a program from this package? Image: Yes Image: No	
	< Previous Next > Finish Cancel	

Figure 16. Advertise Program page

7. On the Select Program page, select the program to advertise to members of a collection, and then click **Next**.

Distribute Package Wizard		×
Select Program		
Welcome Distribution Points Advertise Program	Select the program to advertise to members of a collection.	-
Select Program		
Advertisement Target	Package: Lenovo Inventory Tool Client	
Advertisement Name	Programs:	
Advertisement Subcollec	Name Description	
Advertisement Schedule	InventoryTool.Client.Setup.msi	
Assign Program		
Summary		
Progress		
Confirmation		
<u>ч</u>	< Previous Next > Finish Cancel	

Figure 17. Select program page

8. On the Advertisement Target page, select the existing collection that you want to advertise, and then click **Next**.

-				
Distribute Package Wizard				×
Advertisement Target				
Welcome Distribution Points Advertise Program	Specify the collection th	at should receive the advertisement		
Select Dreaman				
Select Program	Program:	InventoryTool.Client.Setup.msi		
Advertisement Target Advertisement Name Advertisement Subcollec Advertisement Schedule Assign Program Summary Progress Confirmation	Specify the existing colle to receive the advertise Advertise this progr Collection: All Systems Create a new collect	ection that you want to advertise th ment. am to an existing collection: tion and advertise this program to it	e program to, or create a n	ew collection
()		< Previous Next	> Finish	Cancel

Figure 18. Advertisement Target page

- 9. On the Advertisement Name page, choose whether to modify the following information, and when you are finished, click **Next**.
 - **Name** Enter a different name if you do not want to use the default name that is provided.

Comment

Enter a detailed description that will help you to identify the advertisement.

Distribute Package Wizard		×
Advertisement Name		
Welcome Distribution Points Advertise Program	Specify a name and comment for the new advertisement.	-
Select Program		
Advertisement Target	Type a name to identify the new advertisement. You can also type a comment to describe the	
Advertisement Name	advertisement.	
Advertisement Subcollec	Name: Lenovo Inventory Tool Client - InventoryTool.Client.Setup.msi to All Systems	
Advertisement Schedule Assign Program	Comment:	
Summary		
Progress		
Confirmation	Y	
▲	< Previous Next > Finish Cancel	

Figure 19. Advertisement Name page

10. On the Advertisement Subcollection page, select whether the advertisement should be made available to the members of the collection only or to the members of the collection and its subcollections.

Distribute Package Wizard		X
Advertisement Sub	collection	
Welcome Distribution Points Advertise Program	Specify whether the advertisement should be made available to subcollections.	-
Select Program Advertisement Target	Collection: All Systems]
Advertisement Name Advertisement Subcollec	If this collection has links to other collections (or will in the future), you can advertise the program to members of those collections.	
Advertisement Schedule Assign Program	C Advertise the program only to members of the specified collection	
Summary	${old O}$ Advertise the program to members of the collection and its subcollections	
Progress Confirmation	The program will be advertised to the following collections: All Systems	
▲	<pre>< Previous Next > Finish Cancel</pre>	

Figure 20. Advertisement Subcollection page

- 11. On the Advertisement Schedule page, either select or modify the following options, and click **Next**.
 - Select a date and time for the software to be advertised.
 - Select whether this advertisement should expire.
 - Select whether the client can download content from an unprotected distribution point and run locally.

Distribute Package Wizard		×
Advertisement Sche	dule	
Welcome Distribution Points Advertise Program	Specify when the program will be advertised.	
Select Program Advertisement Target Advertisement Name Advertisement Subcollec	Advertise the program after: If this program is set to expire, it will no longer be available after a specified date and time, even if the program has not yet run on the client. Do you want this advertisement to expire?	
Advertisement Schedule Assign Program Summary Progress Confirmation	No, this advertisement never expires Yes, this advertisement should expire Expiration date and time; 5/ 5/2015 3:39 PM	
	☑ Download content from unprotected distribution point and run locally	
<pre>4</pre>	< Previous Next > Finish Cancel	

Figure 21. Advertisement Schedule page

- 12. On the Assign Program page, make the following selections and click Next.
 - Select whether to assign the program.
 - Enable wake on LAN if it is urgent.
 - Select whether to ignore maintenance windows when running the program.
 - Select whether to allow a system restart outside maintenance windows.

Distribute Package Wizard		×
Assign Program		
Welcome Distribution Points Advertise Program	Specify whether to assign the program.	-
Select Program Advertisement Target	Assigning a program causes it to become mandatory. An assigned program will automatically run if it has not already been run on the client. Do you want this program to be assigned after a specified date and time?	
Advertisement Name Advertisement Subcollec Advertisement Schedule	 No, do not assign the program Yes, assign the program 	
Summary	Available after: 3:39:32 PM 11/4/2014	
Progress Confirmation	Assign after: 11/ 4/2014 3:39 PM	
	Indus value on Entry Ignore maintenance windows when running program Allow system restart outside maintenance windows	
- 	< Previous Next > Finish Cancel	

Figure 22. Assign Program page

13. On the Wizard Completed page, you can review the options that have been selected, then click **Close** to finish the distribution.

Distribute Package Wizard				×
Wizard Completed				
Welcome Distribution Points Advertise Program Select Program Advertisement Target Advertisement Name Advertisement Subcollec Advertisement Schedule Assign Program Summary Progress Confirmation	The Distribute Package Wi Details: i/Velcome Distribution Points Advertise Program Select Program Advertisement Target Advertisement Target Advertisement Schedule Advertisement Schedule Assign Program To close this wizard, click Close.	zard completed successfully	A	×
		< Previous Next >	Finish	Close

Figure 23. Wizard Completed page

Look for hardware inventory of clients from the Microsoft System Center Configuration Manager server

When Lenovo Inventory Tool Client has been installed on the client, it can be run periodically to retrieve a hardware inventory from the Microsoft System Center Configuration Manager server.

About this task

The following procedure describes how to look for hardware inventory of clients from the SCCM server,

Procedure

- 1. Open the SCCM console.
- 2. Expand Computer Management > Collections > ALL Systems.

🚝 Configuration Manager Console								
File Action View Window Help								
🗢 🔿 🖄 📅 🛛 🗊								
System Center Configuration Manager	All Systems 3 items found							
🖃 🙀 Site Database (CZ1 - WIN-E1Q5481ZA5E, suap2007)								
🛨 i Site Management	Look for:		*	in All Colum	nns		Find Now	Clear
🖃 🚉 Computer Management								
E 🚅 Collections								
🕀 🚅 All Active Directory Security Groups	Name	Resource Type	Domain	Site Code	Client	Approved	Assigned	Blocked
All Desktops and Servers	WIN-E1Q5481ZA5E	System	CHENZHENG2	CZ1	No	N/A	Yes	
All Systems	WINDOWS-D8DRVC1	System	CHENZHENG2	CZ1	No	N/A	Yes	
 III User Groups III Users 	JILAN032	System	CHENZHENG2	CZ1	Yes	Approved	Yes	No

Figure 24. Select client

3. Right-click the device on the right panel that you want to inventory. Select **Start**, and then click **Resource Explorer**.



Figure 25. Start Resource Explorer wizard

4. Expand **Resource Explorer** > **Hardware**, and then select the resource beginning with Lenovo. The inventory information you requested is shown on the right panel.



Figure 26. Look for hardware inventory

Chapter 4. Working with Lenovo Inventory Tool and Microsoft System Center Configuration Manager 2012

The topics in this section describe how Lenovo Inventory Tool and Microsoft System Center Configuration Manager 2012 work together.

Deploy the Lenovo Inventory Tool Client package from the Microsoft System Center Configuration Manager server to Microsoft System Center Configuration Manager client

The Lenovo Inventory Tool Client package contains the fileLenovo Inventory Tool Client Setup.msi, which is used to install Lenovo Inventory Tool Client to the target machine.

About this task

The following procedure describes how to deploy an Lenovo Inventory Tool Client package from the SCCM server to the SCCM client.

Procedure

- 1. Open the SCCM console.
- 2. Expand Software Library > Overview > Application management > Packages.

Software Library	۰	Packag	kages 3 items						
4 💣 Overview		Search							
 Application Management 		lcon	Name	Programs	Manufacturer	Version	Language	Package ID	
Applications			Configuration Manager Client Package	0	Microsoft Corpo			13B00002	
Packages			Lenovo Inventory Tool Client	1				13B00014	
Approval Requests			User State Migration Tool for Windows 8	0	Microsoft Corpo	6.2.9200.16384		13B00001	

Figure 27. Lenovo Inventory ToolClient package

3. On the right panel, right-clickLenovo Inventory Tool Client, and select Deploy.

Software Library	< Packages 3 items							
4 🗇 Overview	Search							
Application Management	lcon	Name	Programs		Manufacturer	Version	Language	
Applications		Configuration Manager Client Package	0		Microsoft Corpo			
Packages		Lenovo Inventory Tool Client	1	2.	M	A		
Approval Requests El Global Conditions App-V Virtual Environments Mindows RT Sideloading Keys Software Updates Operating Systems		User State Migration Tool for Windows 8	0		Manage Access Create Prestage Create Program Export Refresh Delete Deploy Distribute Conte Update Distribut Move Set Security Sco Properties	Incounts Content File Int tion Points pes	F5 Delete	

Figure 28. Deploy Lenovo Inventory Tool package

4. On the General page, enter the following information, and click Next.

Collection

Click **Browse**, and select the collection to be deployed.

Comments

Enter a detailed description that will help you to identify the deployment.

•		Deploy Software Wizard	X
General			
General Content Deployment Settings	Specify general	information for this deployment	
Scheduling User Experience	Software:	Lenovo Inventory Tool Client (InventoryTool.Client.Setup.msi)	Browse
Distribution Points	Collection:	All Systems	Browse
Summary Progress Completion	Use defauit distri Automatically dis Comments (optional):	bution point groups associated to this collection tribute content for dependencies	<

Figure 29. General page

5. On the Content page, click **Add** to add distribution points or distribution point groups, and click **Next**.

•		Deploy Software Wi	zard			x
Content						
General Content	Specify the c	ontent destination				
Deployment Settings						
Scheduling	Distribution point	s or distribution point groups that the	content has been distributed t	0:		
User Experience						
Distribution Points	Name	Туре				
Summary		There are no it	ems to show in this view.			
Progress						
Completion						
	Additional distributions to with collections to the second	ition points, distribution point groups,	and the distribution point grou	ips that are curre	ntly associated	
	With Collections (distribute content to.				
	Filter			2	Add	•
	Name	Description	Associations		Remove	
	WIN-LOIT33F0	NFA.SC Distribution point				-
	•	- Dra	Next >	Summany	Cancel	
	-	< Pre	IVEAU 2	Summary	Carler	

Figure 30. Content page

6. On the Deployment Settings page, specify the settings that control how the software is deployed, and click **Next**.

		Deploy Software Wizard	x
Deployment Se	ttings		
General Content Deployment Settings	Specify set	tings to control how this software is deployed	
Scheduling	Action:	Install	
User Experience	Purpose:	Required	
Summary			
Progress			
Completion	Pre-deploy	software to the user's primary device	
	Send wake	e-up packets	
	☐ Allow clien installation	is on a metered Internet connection to download content after the deadline, which might incur additional costs	
	0	< Previous Next > Summary Ca	ncel

Figure 31. Deployment Settings page

7. On the Scheduling page, configure the deployment and assignment schedule if necessary. Select **As soon as possible** if you want to deploy the inventory tool client immediately.

•	Deploy Software Wizard	×
Scheduling		
General Content Deployment Settings Scheduling User Experience Distribution Points Summary Progress Completion	Specify the schedule for this deployment This program will be available as soon as it has been distributed to the content servers unless it is scheduled for a later time below. For required applications, specify the assignment schedule. Schedule when this deployment will become available: 11/ 3/2014 11:04 AM Schedule when this deployment will expire: 11/ 3/2014 11:04 AM Schedule when this deployment will expire: 11/ 3/2014 11:04 AM Schedule Assignment schedule: New Edit Delete	
	Rerun behavior: Rerun if failed previous attempt	×
	<pre></pre>	

Figure 32. Scheduling page

8. Optional: On the User Experience page, select the checkbox if needed.

-	Deploy Software Wizard	×
User Experience		
General Content Deployment Settings Scheduling User Experience Distribution Points Summary Progress Completion	Specify the user experience for the installation of this software on the selected devices Notification settings: Allow users to run the program independently of assignments When the scheduled assignment time is reached, allow the following activities to be performed outside the maintenance window. Software installation System restart (if required to complete the installation) Write filter handling for Windows Embedded devices Commit changes at deadline or during a maintenance window (requires restarts) If this option is not selected, content will be applied on the overlay and committed later.	
	<previous next=""> Summary Cancel</previous>	

Figure 33. User Experience page

9. On the Summary page, review the configuration settings, and click **Next** to begin the deployment process.

	Deploy Software Wizard	X
Summary		
General Content Deployment Settings Scheduling User Experience Distribution Points Summary Progress Completion	Details: Software: Lenovo Inventory Tool Client (Inventory Tool Client. Setup.msi) Collection: All Systems (Member Count. 4) Use default distribution point groups associated to this collection: Disabled Automatically distribute content for dependencies: Disabled Depoyment Settings Action: Install Purpose: Required Allow cleates to use a metered Internet connection to download content: Disabled Detailut Allow cleates to use a metered Internet connection to download content: Disabled Allow cleates to use as metered Internet connection to download content: Disabled Schedule when this deployment will become available: Disabled Action: Reguired Action: Reguired Allow cleates to use as one as possible: Action: Reguired to complete the installation: Disabled Assignment schedule: As soon as possible: Allow cleate sequence to run failed previous attempt Allow users to run the program independently of assignments: Disabled Allow task sequence to run for cleat run the Internet: Disabled Allow task sequence to run for cleated run the Internet: Disabled Allow task sequence to run for cleat run the Internet: Disabled Allow task sequence to run for cleat run the Internet: Disabled Allow task seq	* ¥
	<previous next=""> Summary C</previous>	ancel

Figure 34. Summary page

10. On the Completion page, click **Close** to finish the deployment.



Figure 35. Completion page

View hardware inventory of clients from the Microsoft System Center Configuration Manager server

When the Lenovo Inventory Tool Client has been installed, it can be run periodically to retrieve a hardware inventory from the Microsoft System Center Configuration Manager server.

About this task

The following procedure describes how to view a hardware inventory of clients from the SCCM server.

Procedure

- 1. Open the SCCM console.
- 2. Expand Assets and Compliance > Overview > Devices.

Assets and Compliance	< Devices 4 items								
4 🍠 Overview		Search							
Users		lcon	Name		Site Code	Client Activity			
🖳 Devices		1	WINDOWS-M1P004C	Yes	13B	Active			
💰 User Collections		1	KES	Yes	13B	Active			
Device Collections		1	x86 Unknown Computer (x86 Un	No	13B				
🅾 User State Migration		1	x64 Unknown Computer (x64 Un	No	13B				
Asset Intelligence		-							

Figure 36. Select client

3. Right-click the devices on the right panel that you want to inventory. Select **Start**, and then click **Resource Explorer**.

Overview	Search									X
🔱 Users	lcon	Name	Client	Site Code	Client Activity					
🔄 Devices	1	WINDOWS-M1P004C	Yes	13B	Active					
💰 User Collections	1	KES	Yes	13B	Active				1	
Device Collections	1	x86 Unknown Computer (x86 Un	No	13B			Add Selected Items	•		
🅾 User State Migration	1	x64 Unknown Computer (x64 Un	No	13B		嘧	Install Client		_	
Asset Intelligence							Start	•	1	Resource Explorer
Catalog						0	Approve		5	Remote Control
Inventoried Software						0	Block		18	Remote Assistance
i Hardware Requirements						õ	Unblock		G	Remote Desktop Client
🔜 Software Metering						12	Manage Out of Band		-	
Compliance Settings						-	Clear Required BXE Deployments			
🚮 Configuration Items						2	Edit Brimani Lloar			
Configuration Baselines						~	Edit Primary Osers			
👔 User Data and Profiles							Refresh	15		
Endpoint Protection						X	Delete	Delete		
						1	Properties			

Figure 37. Start Resource Explorer

4. Expand **Resource Explorer** > **Hardware**, and then select the resource beginning with Lenovo. The inventory information is shown on the right panel.



Figure 38. View hardware inventory

Chapter 5. Supported hardware and software

This section describes the hardware and software that is supported by Lenovo Inventory Tool for Microsoft System Center Configuration Manager, v5.6.

Supported Microsoft System Center products

Lenovo Inventory Tool for Microsoft System Center Configuration Manager, v5.6 supports the followingMicrosoft System Center products:

- Microsoft System Center Configuration Manager 2007 R2/R3
- Microsoft System Center Configuration Manager 2007 SP2
- Microsoft System Center Configuration Manager 2012
- Microsoft System Center Configuration Manager 2012 SP1
- Microsoft System Center Configuration Manager 2012 R2

Supported client systems

The supported client systems for Lenovo Inventory Tool are listed in the following table.

Supported systems

Table 2. Supported systems

Product family name	Machine type						
Lenovo BladeCenter HS12	8014, 8028, 1916						
Lenovo BladeCenter HS21	1885, 8853						
Lenovo BladeCenter HS21 XM	7995, 1915						
Lenovo BladeCenter HS22	7870, 1936, 7809, 1911						
Lenovo BladeCenter HS22V	1949, 7871						
Lenovo BladeCenter HS23	7875, 1929						
Lenovo BladeCenter HS23E	8038, 8039						
Lenovo BladeCenter HX5	7872, 7873, 1909, 1910						
Lenovo BladeCenter LS21/LS41	7971, 7972						
Lenovo BladeCenter LS22/LS42	7901, 7902						
IBM Flex System x220 Compute Node	7906, 2585						
IBM Flex System x222 Computer Node	7916						
IBM Flex System x240 Compute Node	8737, 8738, 7863						
IBM Flex System x440 Compute Node	7917						
IBM Flex System x240 M5 Compute Node	2591, 9532						
IBM Flex System x440 Compute Node	7167, 2590						
IBM NeXtScale nx360 M5	5465						
IBM NeXtScale nx360 M5 DWC	5467, 5468, 5469						
x3550 M5	5463						
x3650 M5	5462						
IBM NeXtScale Node	5455						

Product family name	Machine type					
IBM Smart Analytics System	7949					
IBM System x [®] iDataPlex [®] dx320 server	6388, 7326					
IBM System x iDataPlex dx360 M2 server	7321, 6380, 7323					
IBM System x iDataPlex dx360 M3	6391					
IBM System x iDataPlex dx360 M4	7912, 7913					
IBM System x iDataPlex Direct Water Cooled dx360 M4 server	7918, 7919					
IBM System x3100 M4	2582					
IBM System x3200	4362, 4363					
IBM System x3200 M2	4367, 4368					
IBM System x3200 M3	7327, 7328					
IBM System x3250 M2	4190, 4191, 4194, 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	7973, 7974, 7975, 7976					
IBM System x3400 M2	7836, 7837					
IBM System x3400 M3	7378, 7379					
IBM System x3500	7977					
IBM System x3500 M2	7839					
IBM System x3500 M3	7380					
IBM System x3500 M4	7383					
IBM System x3530 M4	7160					
IBM System x3550	7978, 1913					
IBM System x3550 M2	4198, 7946					
IBM System x3550 M3	4254, 7944					
IBM System x3550 M4	7914					
IBM System x3620 M3	7376					
IBM System x3630 M3	7377					
IBM System x3630 M4	7158					
IBM System x3650	7979, 1914					
IBM System x3650 M2	7947, 4199					
IBM System x3650 M3	4255, 7945, 5454					
IBM System x3650 M4	7915					
IBM System x3650 M4 HD	5460					
IBM System x3690 X5	7147, 7148, 7149, 7192					
IBM System x3755 M3	7164					
IBM System x3850 M2	7141, 7144, 7233, 7234					
IBM System x3850 X5	7145, 7146, 7191, 7143					

Table 2. Supported systems (continued)

Product family name	Machine type				
IBM System x3850 X6	3837				
IBM System x3950 M2	7141, 7144, 7233, 7234				
IBM System x3950 X5	7143, 7145, 7146, 7191				

Supported operating systems

Several Windows operating systems are supported on client machines.

The following operating systems are supported on client machines:

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

Required software on client machines

Microsoft .NET Framework Version 2.0 is required on client machines.

Appendix A. Troubleshooting

This section provides information to help you resolve issues that might arise.

Lenovo Inventory Tool cannot be installed

.NET Framework 2.0, 3.0, or 3.5 must be installed on the SCCM server as a prerequisite for the Lenovo Inventory Tool installation.

Issue: Lenovo Inventory Tool cannot install.

Possible solution:

Either install or ensure that .NET Framework 3.5 is installed on the SCCM server or client.

Appendix B. Accessibility features for Lenovo Inventory Tool

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 Inventory Tool 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 Inventory Tool topic collection and its related publications are accessibility-enabled for the IBM Home Page Reader. You can operate all features using the keyboard instead of the mouse.

You can view the publications for Lenovo Inventory Tool 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 Inventory Tool for Microsoft System Center Configuration Manager, v5.6 download site.

IBM and accessibility

See the IBM Human Ability and Accessibility Center Website for more information about the commitment that IBM has to accessibility.

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