Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager Installation Guide



Note: Before using this information and the product it supports, ensure that you read and understand Appendix A "Notices" on page 26.

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1 Introduction

1.1 **Purpose**

The purpose of this guide is to explain the processes involved in installing the Lenovo ThinkServer Partner Pack. Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager can be installed on a System Center Operations Manager (SCOM) server.

1.2 Audience and Scope

This guide is intended for system administrators and network administrators who are responsible for installing and managing the Lenovo ThinkServer with Intel® Xeon® processor E5-2600 v3 or Intel® Xeon® processor E5-2600 v2 product family and above.

This guide covers:

- Pre-requisites
- Installation procedure
- Launching the application
- Troubleshooting
- Registering
- Unregistering
- Un-installation
- Frequently asked questions

1.3 **Conventions Used in the Document**

This table describes the symbols used in this guide.

Convention	Explanation
Bold	Elements of graphical user interface, for example, menus and command buttons
>	Sequence of menu items to choose
courier font	User input, directory and file names, command line syntax and examples
()	This symbol highlights important information and tips.
	This symbol is used to draw attention to risks which may represent a health hazard or which may lead to data loss or damage to the hardware.

2 Installation Overview

The Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager contains an installation program that helps you to install the Partner Pack. Upon running the installation wizard, you can install the management pack, tools and documents of Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager in the Lenovo ThinkServerPartnerPack folder, which is in the Program Files folder of your computer. You can import the management pack from the

 $\label{eq:lensor} LenovoThinkServerPartnerPack \ SCOM \ MP \ folder \ through \ the \ SCOM \ console \ later.$

2.1 **Overview of the Application**

The Lenovo ThinkServer Partner Pack for Microsoft System Center Operations anager application, which is developed for the SCOM environment, can manage the Lenovo ThinkServer with Intel® Xeon® processor E5-2600 v3 or Intel® Xeon® processor E5-2600 v2 product family and above. The Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager can be installed on a SCOM server.

The Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager serves as a simplified management pack that can easily integrate into the SCOM server. It enables you to navigate through the Lenovo Screens without deviating from the SCOM user-interface screens. Knowledge on the other tools is not necessary to use the Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager.

The Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager provides the following details:

- Detailed Server information of the Lenovo ThinkServer at the Host level from the **Hosts** view.
- Information including the number of Virtual Machines and Operating System version from the **Server Information** detailed view
- Inventory of the detailed Server information including the Memory, Processors and Server Information. In addition to this, the FAN, Temperature Sensor, FRU and Power Supply Unit (PSU) information is available out of band
- Details of the System board such the Server model, Serial number & UUID

Apart from the above details, the following functionalities are also embedded in the Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager.

- Power-off and Restart through in-band functionality
- The capability to directly launch the remote console of a selected host (Remote Desktop)
- The capability to link and launch the Lenovo ThinkServer System Manager web page of the selected host
- The capability to Launch Host Console out of band

		Hosts State - SCOM201	2R2_MG - C	perations M	lanager			- 0	x
<u>File Edit View G</u> o Tas <u>k</u> <u>Search</u> ▼	s <u>T</u> ools <u>H</u> elp = In Scope Pind P	Tasks 🔞 🚦							
Monitoring «	Hosts State (3)						> 1	lasks 🛛	
4 🧱 Monitoring	🔍 Look for:		Find Now	Clear			2	0	
Active Alerts Discovered Inventory	🖉 M Name	Path 🔺 🕢 Fan	Ø Memory	Processor	Server Information	Temper Sensor	10	Stop Maintenance Mode	^
 Distributed Applications mana Task Status UNIX/Linux Computers Windows Computers Computers Lenovo ThinkServer Inventory Hosts State 	RD340.LAB2.com RD440.LAB2.com SCOM2012R2VM	RD340.LAB2 Healt RD440.LAB2 Healt SCOM2012R	 Healthy Healthy Healthy Healthy 	 Healthy Healthy Healthy Healthy 	 Healthy Healthy Healthy Healthy Healthy 	 Healthy Healthy Healthy 	Tasl	ks Entity Properties Health Explorer rigation Alert View Diagram View	^
	<	ш				>		Event View	
	Detail View ~						Performance View		
	Host properties of RD	340.LAB2.com				~		State View	E
III Show or Hide Views New View > Image: Monitoring Image: Authoring Image: Administration Image: My Workspace	Display Name RD3 Full Path Name RD3 Host RD3 TMM IPV4 192.	40.LAB2.com 40.LAB2.com\ RD340.LAB2.com 40.LAB2.com 168.222.164				~		it Tasks Configure Lenovo Hosts Extended SEL Launch Lenovo Host Console Launch Lenovo Web Console Launch Remote Desktop Power On Refresh Host Data Restart Shut down	*
Decelu							-		*

Figure 1: Lenovo ThinkServer Partner Pack for Microsoft SCOM-Main Screen

2.2 System Requirements

This section describes the hardware and software prerequisites to install Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager.

2.2.1 Hardware Requirements

The following list provides the minimum hardware requirements to install the Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager.

- Lenovo ThinkServer server with Intel® Xeon® processor E5-2600 v3 or Intel® Xeon® processor E5-2600 v2 product family and above along with Windows Server 2008 R2 SP1 / Windows Server 2012 (SP1, SP2) / Windows Server 2012 R2.
- 64 bit HW with 8GB or more RAM
- 500 GB HDD
- 1024 * 728 Resolution Monitor or Higher
- TFT monitor for better resolution and width

2.2.2 Software Requirements

The following list provides the minimum software requirements to install the Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager.

- Operating Systems: Windows Server 2008 R2 SP1 / Windows Server 2012 (SP1, SP2) / Windows Server 2012 R2.
- System Center Products: Operations Manager 2012 SP1
- SQL Server: SQL Server 2012 R2 / SQL Server 2008 R2
- SCOM: SCOM 2012 R2 / SCOM 2012 SP1

Other Pre-requisites

- PowerShell 3.0 or higher should be installed on the SCOM Server
- .Net 4.0 or above should be installed on the SCOM Server
- Microsoft Report viewer

2.3 **Pre-installation Task**

Before installing the Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager on your system, perform the following pre-installation steps:

- 1. Ensure that you have the Administrator access to the target computer.
- 2. Ensure that your computer is updated with the latest Windows updates.
- 3. Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager will be installed only on the Management. Hence, make sure that you have a SCOM server, SQL Server installed & properly configured already.
- 4. Ensure you have all the following required pre-requisites installed in your server:
- a. PowerShell 3.0 or higher need to be installed in SCOM Server
- b. Net 4.0 or above need to be installed in SCOM Server
- c. Microsoft Report viewer
 - 5. Close all the applications including the Operations console, Windows NT Event Viewer and PowerShell etc.

2.4 Installation Procedure

1. Once all the prerequisite checks and controls are completed, you may proceed with the Lenovo ThinkServer Partner Pack installation. In order to start with the Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager installation, double-click on the Installer package:

LenovoThinkServerPartnerPackSCOM.EXE and follow the wizard to complete the installation.



Figure 2: Installer Pack

2. The Lenovo welcome screen is displayed

😑 🦳 Setup - Lenov	o ThinkServer Partner Pack 🛛 🗕 🗖 🗙			
	Welcome to the Lenovo ThinkServer Partner Pack Setup Wizard			
	This will install Lenovo ThinkServer Partner Pack on your computer.			
It is recommended that you close all other applications before continuing.				
Click Next to continue, or Cancel to exit Setup.				
Next > Cancel				

Figure 3: Welcome screen

3. Click Next to proceed. The Lenovo ThinkServer Partner Pack License Agreement screen is displayed.

😑 🦳 Setup - Lenovo ThinkServer Partner Pack 👘 💻 💌					
License Agreement Please read the following important information before continuing.					
Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.					
License Agreement L505-0009-01 04/2007 This Lenovo License Agreement (the "Agreement") applies to each Lenovo Software Product that You acquire, whether it is preinstalled on or included with a Lenovo hardware product, acquired separately, or downloaded by You from a Lenovo Web site or a third-party Web site approved by Lenove. It also applies to any undates or patches to					
\bigcirc I accept the agreement					
 I do not accept the agreement 					
< Back Next > Cancel					

Figure 4: License Agreement Screen

4. The End User License Agreement (EULA) screen provides the End User License Agreement details which need to be read before proceeding with the installation. In order to proceed with the installation, select "I accept the agreement" and Click Next. If the "I do not accept the agreement" option is selected, the installation is terminated.

😑 Setup - Lenovo ThinkServer Partner Pack 📃 🗖 🗙					
Select Destination Location Where should Lenovo ThinkServer Partner Pack be installed?					
Setup will install Lenovo ThinkServer Partner Pack into the following folder.					
To continue, click Next. If you would like to select a different folder, click Browse.					
C:\Program Files (x86)\LenovoThinkServerPartnerPack Browse					
At least 1.6 MB of free disk space is required.					
< Back Next > Cancel					

Figure 5: Select Destination Location

- 5. Select Destination Location screen will be displayed. If you want to change the Installation folder shown by default, click on Browse button and choose desired Folder as destination location for the installation. Click **Next**.
- 6. The Select Components screen will be displayed. Select SCOM Plugin and Click Next.

😑 🦳 Setup - Lenovo ThinkServer Partner Pack	_ 🗆 X				
Select Components Which components should be installed?					
Select the components you want to install; clear the components you do not want to install. Click Next when you are ready to continue.					
CustomInstall	~				
SCOM Plugin	175.8 MB				
Current selection requires at least 177.4 MB of disk space	173.4 MB				
Carrent solection requires at least 177,4 Mb or disk space.					
< Back Next >	Cancel				

Figure 6: Select SCOM

7. Information chosen in previous step will be displayed in this screen.

😑 🦳 Setup - Lenovo ThinkServer Partner Pack 📃 💻 🖻	X
Ready to Install Setup is now ready to begin installing Lenovo ThinkServer Partner Pack on your computer.	Ð
Click Install to continue with the installation, or click Back if you want to review or change any settings.	
Destination location: C:\Program Files (x86)\LenovoThinkServerPartnerPack	7
Setup type: CustomInstall	
Selected components: SCOM Plugin	
	~
< Back Install Ca	ncel

Figure 7: Ready to Install

8. Click Install.



Figure 8: Installation complete Dialog Box

9. Click Finish.

10. Navigate to the folder chosen as destination location in step 5. Double-click the *LenovoThinkServerPartnerPack* folder. You will be able to see the folder structure as shown below.

🌆 l 💽 🚹 = l	LenovoThinkServerF	PartnerPack		_ D X
File Home Share	View			~ ()
🔄 🍥 🔻 🕇 🚺 « Pr	rog 🕨 LenovoThinkServerPartn	~ ¢	Search LenovoThin	kServerPar 🔎
☆ Favorites	Name		Date modified	Туре
E Desktop	퉬 Bin		08-02-2014 12:58	File folder
🗼 Downloads	퉬 Doc		08-02-2014 11:07	File folder
🖳 Recent places	퉬 Lib		08-02-2014 11:07	File folder
	퉬 Log		08-02-2014 11:17	File folder
🖳 This PC 📃	iii MP		08-02-2014 11:12	File folder
膧 Desktop				
Documents				
🗼 Downloads				
🜗 Music				
📄 Pictures				
📑 Videos				
📥 Local Disk (C:)				
DVD Drive (D:) IR	<	ш		>
5 items 1 item selected				:==

Figure 9: LenovoThinkServer Partner Pack Folder Structure

11. Double-click the **MP** folder where the management pack is placed by the installation program.

12. Import the management pack from the MP folder to SCOM by using the **Import Management Pack** interface in the SCOM console as mentioned in the below steps.

👪 l 💽 🚯 🖛 l	MP	- 🗆 X
文件 主页 共享 查看		~ ?
	✓ C 搜索"MP"	م
🌗 Program Files (x86)	▲ 名称	修改日期
鷆 Common Files	Lenovo TMM Server mp	2015/1/5 4:11
퉬 ConfigMgr10		2013/1/3 4111
퉬 Internet Explorer		
퉬 LenovoThinkServerPartnerPack		
퉬 scom		
🍌 Bin		
🐌 Doc		
🕌 Lib		
📔 MP	=	
🐌 Microsoft Configuration Manager		
퉬 Microsoft SDKs		
퉬 Microsoft SQL Server		
퉬 Microsoft.NET		
퉬 MSBuild		

Figure 10: Management Pack Screen

2.5 Importing Management Pack through SCOM Console

1. Open the SCOM 2012 Console.



Figure 11: SCOM Console Screen

2. On the bottom left of the screen, you will find the **Monitoring**, **Authoring**, **Reporting**, **Administration** tabs.



Figure 12: SCOM Administration Overview Page

- 3. Select the Administration tab to view the Admin Console as shown in the above screen.
- 4. Click the Management Packs tab under the Administration pane.

	Management Pac	:ks - SCOM2012R2_MG - Operations Manager	_ 0 ×				
File Edit View Go Tasks Tools Help							
<u>S</u> earch ▼ _⇒	Search 👻 🝦 🌆 Scope 👂 Find 🔟 Tasks 🔞 🖕						
Administration <	Management Packs (96)		 Tasks 				
🔺 🌼 Administration 📃 🔺	Name 🔺 Version	Sealed Description					
👼 Connected Managemen	📷 360 Application Monitori 7.1.10	Yes	Antione				
Device Management	📷 Baselining Tasks Library 7.0.84	Yes System Baselining Tasks Library: This Management F	Actions				
🏘 Management Packs	🚟 Client Monitoring Interna 7.1.10	Yes Microsoft System Center Client Monitoring Internal	Properties				
 Network Management 	🚟 Client Monitoring Library 7.1.10	Yes Microsoft System Center Client Monitoring Library: 1	🔣 Export Management Pack				
Discovery Rules	🚟 Client Monitoring Overri 7.1.10	This management pack is the default location for sto	🔀 Delete				
Network Devices	🚟 Client Monitoring Views 7.1.10	Yes Microsoft System Center Client Monitoring Views M	🚟 Create Management Pack				
Notifications	🚟 Data Warehouse Internal 7.1.10	Yes Microsoft System Center Data Warehouse Internal Li	🚟 Download Management Packs				
Product Connectors	📷 Data Warehouse Library 7.1.10	Yes Microsoft System Center Data Warehouse Library: Th	🗮 Import Management Packs				
U Internal Connectors	🚟 Default Management Pack 7.1.10	This management pack is the default location for sto					
Resource Pools	📷 Distributed Application D 7.0.84	Yes System Center Distributed Application Designer Libra					
4 🌼 Run As Configuration	📷 Health Internal Library 7.0.84	Yes System Health Internal Library: This Management Pa					
Accounts	📷 Health Library 7.0.84	Yes System Health Library: This Management Pack conta					
🇞 Profiles	📷 Image Library (System Ce 7.1.10	Yes Microsoft System Center Image Library: This Manage					
UNIX/Linux Accounts	📷 Image Library (System) 7.5.85	Yes System Image Library: This Management Pack conta					
4 🔒 Security	📷 Image Library (UNIX/Linux) 7.5.10	Yes UNIX/Linux Image Library: This Management Pack c					
S User Roles	📷 Image Library (Windows) 7.5.85	Yes Microsoft Windows Image Library: This Managemen					
Settings V	📷 Instance Group Library 7.5.85	Yes This management pack contains the definitions and					
	ل Lenovo ThinkServer Part 1.1.0.4	Lenovo ThinkServer Partner Pack: This Management					
Discovery Wizard	📷 Microsoft Audit Collectio 7.1.10	Yes					
	📷 Microsoft Data Warehous 7.1.10	Yes Microsoft System Center Data Warehouse Reports: T					
Monitoring	📷 Microsoft Generic Report 7.1.10	Yes Microsoft System Center Data Warehouse Report Lib					
Authoring	Microsoft Service Level R 7.1.10	Yes Microsoft System Center Service Level Tracking Repo					
Administration	📷 Microsoft System Center 7.1.10	Yes Microsoft System Center Advisor: This Management					
	📷 Microsoft System Center 7.1.10	Yes Microsoft System Center Advisor: This Management					
My Workspace	📷 Microsoft System Center 7.1.10	Yes Microsoft System Center Advisor Resources manage					
	Kicrosoft System Center 1.0.0.0	~					
Deads	<						
Reduy							

Figure 13: SCOM Management Pack List

5. On the right of the screen, in the Actions pane, select the Import Management Packs link.

	Manage	ment Packs	SCOM2012R2_MG - Operations Manager	_ 0 ×			
Eile Edit <u>V</u> iew <u>G</u> o Tas <u>k</u> s <u>T</u> ools <u>H</u> elp							
<u>S</u> earch▼ _∓	🐺 Scope 👂 Find 🚺 Task	s 🛛 📮					
Administration							
4 🥸 Administration 🔥	🔍 <u>L</u> ook for:		<u>Find Now</u> <u>Clear</u>				
Connected Management	Name 🔺	Version Seal	d Description ^	Actions			
Device Management	🚟 360 Application Monitori	7.1.10 Yes					
agent Managed	🚟 Baselining Tasks Library	7.0.84 Yes	System Baselining Tasks Library: This Management P	Properties			
Management Server	🚟 Client Monitoring Interna	7.1.10 Yes	Microsoft System Center Client Monitoring Internal N =	Export Management Pack			
Pending Management	📷 Client Monitoring Library	7.1.10 Yes	Microsoft System Center Client Monitoring Library: T	X Delete			
UNIX/Linux Computers	🚟 Client Monitoring Overri	7.1.10	This management pack is the default location for sto	🚟 Create Management Pack			
Management Packs	🚟 Client Monitoring Views	7.1.10 Yes	Microsoft System Center Client Monitoring Views MF	🚟 Download Management Packs			
4 🧾 Network Management	🚟 Data Warehouse Internal	7.1.10 Yes	Microsoft System Center Data Warehouse Internal Lik	🐹 Import Management Packs			
Discovery Rules	🚟 Data Warehouse Library	7.1.10 Yes	Microsoft System Center Data Warehouse Library: Th				
Network Devices	🚟 Default Management Pack	7.1.10	This management pack is the default location for sto				
Provide Services Pendi	📷 Distributed Application D	7.0.84 Yes	System Center Distributed Application Designer Libra				
A Motifications	📷 Health Internal Library	7.0.84 Yes	System Health Internal Library: This Management Pa				
Channels	🚟 Health Library	7.0.84 Yes	System Health Library: This Management Pack conta				
Subscribers	🚟 Image Library (System Ce	7.1.10 Yes	Microsoft System Center Image Library: This Manage				
Product Connectors	📷 Image Library (System)	7.5.85 Yes	System Image Library: This Management Pack contai				
QQ Internal Connectors	📷 Image Library (UNIX/Linux)	7.5.10 Yes	UNIX/Linux Image Library: This Management Pack co				
< III >	📷 Image Library (Windows)	7.5.85 Yes	Microsoft Windows Image Library: This Management				
Discovery Wizard	🚟 Instance Group Library	7.5.85 Yes	This management pack contains the definitions and				
	🚟 Lenovo ThinkServer Part	1.1.0.4	Lenovo ThinkServer Partner Pack: This Management				
Monitoring	🚟 Microsoft Audit Collectio	7.1.10 Yes					
	📷 Microsoft Data Warehous	7.1.10 Yes	Microsoft System Center Data Warehouse Reports: TI				
Authoring	📷 Microsoft Generic Report	7.1.10 Yes	Microsoft System Center Data Warehouse Report Lib				
🚳 Administration	🚟 Microsoft Service Level R	7.1.10 Yes	Microsoft System Center Service Level Tracking Repo				
	🚟 Microsoft System Center	7.1.10 Yes	Microsoft System Center Advisor: This Management				
wiy workspace	🚟 Microsoft System Center	7.1.10 Yes	Microsoft System Center Advisor: This Management				
•	<	7110 V					
Ready							

Figure 14: Import Management Packs Link

6. The following dialog box is displayed for importing the Management Packs.

- E	Import Manager	ment Packs				x
Select Managemen	nt Packs					
Select Management Packs						🕜 Help
	I <u>m</u> port list :		<u> </u>	• Pr <u>o</u> pe	rties \times	<u>R</u> emove
	Name	Version	Release Date	Status	License Tems	
	0					
	Status d <u>e</u> tans :					
	1					
				Ir	ngtall	Cancel

Figure 15: Selecting Management Packs

7. On the Import Management Packs dialog box, click the Add button.

	Mar	nagement Packs - SCOM2012R2_MG - Operations Manager	_ 0 X
<u>File Edit View G</u> o	<u></u>		Y
<u>S</u> e	-22	Import Management Packs	
Administration	Select Managemer	nt Packs	
4 🍄 Administration			
👼 Connected Man	Select Management Packs	@ F	delo 🔨
Device Manager		• ·	iop
agent Manage			
Agentless Mar		L Add - M Droportion V Romovie	t Pack
Management :		Import list :	2
Pending Mana		Name Version Rele	t Pack
UNIX/LINUX Co		Add from disk	nent Packs
Management Pa			t Packs
Discovery Rule			
Retwork Devic			
Network Devic			
A Motifications			
🛃 Channels			
Subscribers			
Subscriptions			
🔺 👱 Product Connec			
🖳 Internal Conne			
< 111		Status d <u>e</u> tails :	
Discovery Wizard			1
Monitoring			
Authoring			
Administration			
My Workspace		Ingtal	

Figure 16: Adding Management Packs from Disk

8. Click Add from Disk.



Figure 17: Online Catalog Connection Dialog Box

9. Click No.



Figure 18: Locating Lenovo.TMM.Server.mp File

10. In the browse window, locate the management pack, which is placed through the installation program. The Management pack is at the LenovoThinkServerPartnerPack\SCOM\MP folder inside the selected destination location in Step 5.

-	Import Management Packs	x
Import Managem	ent Packs	AH.
Select Management Packs		🕜 Help
	Downloading and importing the selected management packs.	
	Name Version Status	
	V Lenovo IninkServer Pather Pack 2.0.0.0 Imported	
	Import Stat <u>u</u> s Details :	
	1	
	Stop	Close

Figure 19: Installing Management Packs

- 11. Click Install.
- 12. Once the installation completes, a dialog box with **Close** button and status will be shown as Imported.
- 13. Click **Close** and you can see the Management pack in the Administration Management pack list.
- 14. In the top-left, click the **Management packs** tab and you can see the imported Management pack with the name **Lenovo ThinkServer Partner Pack**.

	Management P	acks - WIN-SC	OM - Operatio	ns Manager	_ D X
<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>G</u> o Tas <u>k</u> s <u>T</u> ools <u>H</u> elp					
Scope	Find Tasks 🕡 🛫				anne d'arre d'arre
Administration <	Management Packs (89)				Tasks
Administration	🔍 Look for:		Eind Now	Clear	
Connected Management Groups	Name	Version	Sealed	Date Imported Description	Actions A
Device Management	Baselining Tasks Library	7.0.8427.0	Yes	7/10/2014 12:12 System Baselining Tasks	
agent Managed	Client Monitoring Internal Library	7.0.8560.0	Yes	7/10/2014 12:17 Microsoft System Center	Properties
Agentless Managed	Client Monitoring Library	7.0.8560.0	Yes	7/10/2014 12:14 Microsoft System Center	Export Management Pack
Pending Management	📆 Client Monitoring Overrides Manage	7.0.8560.0		7/10/2014 12:18 This management pack i	🗉 🗡 Delete
INIX/ inix Computers	Client Monitoring Views Library	7.0.8560.0	Yes	7/10/2014 12:17 Microsoft System Center	🚟 Create Management Pack
Control Competens	Tata Warehouse Internal Library	7.0.8560.0	Yes	7/10/2014 12:29 Microsoft System Center	🚟 Download Management Packs
Network Management	📷 Data Warehouse Library	7.0.8427.0	Yes	7/10/2014 12:14 Microsoft System Center	📷 Import Management Packs
Discovery Rules	E Default Management Pack	7.0.8560.0		7/10/2014 12:17 This management pack i	
Network Devices	Distributed Application Designer Libr	7.0.8427.0	Yes	7/10/2014 12:13 System Center Distribute	
Setwork Devices Pending Management	The Health Internal Library	7.0.8427.0	Yes	7/10/2014 12:14 System Health Internal Li	
A Motifications	Health Library	7.0.8427.0	Yes	7/10/2014 12:12 System Health Library: TI	
Channels	mage Library (System Center)	7.0.8560.0	Yes	7/10/2014 12:14 Microsoft System Center	
Subscribers	mage Library (System)	7.5.8501.0	Yes	7/10/2014 12:12 System Image Library: Th	
Subscriptions	mage Library (UNIX/Linux)	7.3.2026.0	Yes	7/10/2014 12:18 UNIX/Linux Image Librar	
Internal Connectors	Image Library (Windows)	7.5.8501.0	Yes	7/10/2014 12:13 Microsoft Windows Imac	
Resource Pook	Tinstance Group Library	7.5.8501.0	Yes	7/10/2014 12:13 This management pack of	
×	Lenovo ThinkServer Partner Pack	2.0.0.0	Yes	9/17/2014 5:59: Lenovo ThinkServer Partr	
	Microsoft Audit Collection Services	7.0.8560.0	Yes	7/10/2014 12:15	
Discovery Wizard	Microsoft Data Warehouse Reports	7.0.8560.0	Yes	7/10/2014 12:30 Microsoft System Center	
Monitoring	Microsoft Generic Report Library	7.0.8560.0	Yes	7/10/2014 12:17 Microsoft System Center	
monitoring	Microsoft Service Level Report Library	7.0.8560.0	Yes	7/10/2014 12:30 Microsoft System Center	
Authoring	Microsoft System Center Application	7.0.8560.0	Yes	7/10/2014 12:18 System Center 360 3-Tier	
Administration	The Microsoft System Center Operations	7.0.8560.0	Yes	7/10/2014 12:14 Microsoft System Center	
	Microsoft System Center Visualizatio	7.0.8560.0	Yes	7/10/2014 12:18 Microsoft System Center	
My Workspace	Microsoft SystemCenter Operations	7.0.8560.0	Yes	7/10/2014 12:18 Microsoft System Center	
-	Microcoft Suctom Contor Vicualization	70.9560.0	Vec	7/10/2014.12-18 Contains configuration a	4
Ready				>	
neady					

Figure 20: Management Packs List with Lenovo ThinkServer Partner Pack

- 15. In the left pane, at the bottom click the **Monitoring** tab.
- 16. The Monitoring Console screen is displayed. Wait for a few seconds to fetch the data and then press refresh. Navigate to *Monitoring>Lenovo ThinkServer>Inventory>Hosts State* folder.
- 17. A screen with a list of discovered servers along with the overall status for its components is displayed. You can also view the **Host Tasks** at the right of the screen. For more details on features of the Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager, refer to the user guide for Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager.

Hosts State - SCOM2012R2_MG - Operations Manager					
<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>G</u> o Tas <u>k</u> s	<u>I</u> ools <u>H</u> elp				
Search 👻 👙	🗛 Scope 👂 Find 🖾 Tasks 🔞 🖕				
Monitoring <	Hosts State (3)		<		
4 🔳 Monitoring	Q Look for: Eind Now Clear				
Active Alerts	Power - Power - Power - Power	- 0			
Discovered Inventory	M Name Path A Stan Memory Processor Server Server Sensor Information Sensor Unit	RU 🕜 🖁	c l		
Distributed Applications	RD340.LAB2.com RD340.LAB2 🕢 Healt 🕢 Healthy 🕢 Healthy 🕢 Healthy 🕢 Healthy 😧 Critical 🕢 H	ie 🕢 H	i i		
Task Status	RD440.LAB2.com RD440.LAB2 🕢 Healt 🕢 Healthy 🕢 Healthy 🕢 Healthy 🕢 Healthy 🖉 Healthy 🖉 Healthy	łe 🕢 H	1		
UNIX/Linux Computers	SCOM2012R2VM SCOM2012R 🕢 Healthy 🕢 Healthy	🕢 н	6		
👯 Windows Computers					
4 🚞 Lenovo ThinkServer					
Inventory					
Till Hosts state					
	K III	>	Tas		
	Detail View	~	k Pa		
	Host properties of RD340.LAB2.com	~	ine		
	Display Name RD340.LAB2.com				
	Full Path Name RD340.LAB2.com\RD340.LAB2.com				
Show or Hide Views	Host RD340.LAB2.com TMM IPV4 192.168.222.164				
New View >					
Monitoring					
Authoring					
Administration					
My Workspace					
		~			
Pondy					
neauy					

Figure 21: Hosts State Main Screen

2.6 Uninstallation Procedure

2.6.1 Uninstalling Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager

Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager application can be uninstalled by using the following steps:

1. Navigate to Control Panel>Add and Remove Programs/Programs & Features.

All Control Panel Items							
	All Control Panel Items 🕨	✓ ♂ Search Control Panel					
Adjust your computer's settings		View by: Small icons 🔻					
🏲 Action Center	🔞 Administrative Tools	🛃 AutoPlay					
💶 Color Management	Credential Manager	Date and Time					
👿 Default Programs	🚔 Device Manager	devices and Printers					
🖳 Display	log Ease of Access Center	📔 Folder Options					
🖟 Fonts	🔂 Internet Options	🍓 iSCSI Initiator					
🍰 Java (32-bit)	📖 Keyboard	😪 Language					
💯 Microsoft Monitoring Agent		🕎 Network and Sharing Center					
📟 Notification Area Icons	🧱 Phone and Modem	Power Options					
📷 Programs and Features	🔗 Region	🐻 RemoteApp and Desktop Connections					
🛋 Sound	14 System	🖾 Taskbar and Navigation					
🔁 Text to Speech	📧 Troubleshooting	🎎 User Accounts					
🔗 Windows Firewall	🐼 Windows Update						

Figure 22: All Control Panel Screen

2. Select Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager installer and click Uninstall.

Ē		Programs and Features		_ □	x
۲	-) 💿 👻 🕆 🧱 « All Contr	ol Panel Items + Programs and Features v	Search Program	s and Features	٩
	Control Panel Home	Uninstall or change a program			
	View installed updates	To uninstall a program, select it from the list and then	click Uninstall, Change, o	r Repair.	
9	Turn Windows features on or				
	off	Organize 🕶 Uninstall Change Repair		800 -	0
	Install a program from the network	Name	Publisher	Installed On	Size
		😉 Lenovo ThinkServer 🛛 Uninstall this program.	Lenovo	08-02-2014	1
		🛃 Java(TM) 6 Update 45	Oracle	17-12-2013	9
		Microsoft System CLR Types for SQL Server 2012 (x64)	Microsoft Corporation	11-12-2013	3
		Microsoft Report Viewer 2012 Runtime	Microsoft Corporation	11-12-2013	2
		System Center 2012 R2 Operations Manager	Microsoft Corporation	11-12-2013	
		< III			>
		Lenovo Product version: 1.1.0 Size: 103 MB	Comments: Leno	vo ThinkServer	Part

Figure 23: Uninstall Screen

- 3. A dialog box with a message Are you sure you want to uninstall Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager is displayed.
- 4. Click **Yes** to uninstall.

Lenovo ThinkServer Partner Pack Uninstall
Are you sure you want to completely remove Lenovo ThinkServer Partner Pack and all of its components?
Yes No

Figure 24: Uninstall Message

5. Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager is uninstalled from your computer.

2.6.2 Deleting Management Pack from SCOM

In order to delete the Management Package from SCOM, perform the following steps:

- 1. Open SCOM console.
- 2. Navigate to Administration>Management Packs.
- 3. Select the Lenovo ThinkServer Partner Pack.
- 4. On the top right of the screen, click **Delete** to delete the management pack.
- 5. The management pack is deleted from the SCOM.

		Management D)ack	w WINI-SCO	NM - Operatio	ns Manager			
		Management	ack	0 - WIN-SC	operatio	ns wanager			
<u>File Edit View Go Tasks Tools H</u> elp	-								
Scope	⊃ F	nd Tasks 😧 🛫							
Administration <	¢	Management Packs (89)						> 1	Fasks
4 🥨 Administration	^	Look for:			Eind Now	<u>C</u> lear		2	0
Connected Management Groups		Name	Ve	ersion	Sealed	Date Imported	Description ^	Anti	
Device Management		aselining Tasks Library	7.0	.0.8427.0	Yes	7/10/2014 12:12	System Baselining Tasks		10115
agent Managed		Client Monitoring Internal Library	7.0	.0.8560.0	Yes	7/10/2014 12:17	Microsoft System Center		Properties
Agentless Managed		Client Monitoring Library	7.0	.0.8560.0	Yes	7/10/2014 12:14	Microsoft System Center	×.	Export Management Pack
Management Servers		Client Monitoring Overrides Manage	7.0	.0.8560.0		7/10/2014 12:18	This management pack i	X	Delete
UNIX/Linux Computers		Client Monitoring Views Library	7.0	.0.8560.0	Yes	7/10/2014 12:17	Microsoft System Center	×	Create Management Pack
Wanagement Packs	=	Data Warehouse Internal Library	7.0	.0.8560.0	Yes	7/10/2014 12:29	Microsoft System Center	1	Download Management Packs
Network Management		Data Warehouse Library	7.0	.0.8427.0	Yes	7/10/2014 12:14	Microsoft System Center	1	Import Management Packs
Discovery Rules		👗 Default Management Pack	7.0	.0.8560.0		7/10/2014 12:17	This management pack i		
🚆 Network Devices		To Distributed Application Designer Libr	7.0	.0.8427.0	Yes	7/10/2014 12:13	System Center Distribute		
Network Devices Pending Management		Health Internal Library	7.0	.0.8427.0	Yes	7/10/2014 12:14	System Health Internal Li		
Notifications		Health Library	7.0	.0.8427.0	Yes	7/10/2014 12:12	System Health Library: Th		
Channels		Image Library (System Center)	7.0	.0.8560.0	Yes	7/10/2014 12:14	Microsoft System Center		
Subscribers		Mage Library (System)	7.5	.5.8501.0	Yes	7/10/2014 12:12	System Image Library: Th		
Subscriptions		Image Library (UNIX/Linux)	7.3	.3.2026.0	Yes	7/10/2014 12:18	UNIX/Linux Image Librar		
Internal Connectors		Mindows)	7.5	.5.8501.0	Yes	7/10/2014 12:13	Microsoft Windows Imag		
Resource Pools		instance Group Library	7.5	.5.8501.0	Yes	7/10/2014 12:13	This management pack c		
	-	💑 Lenovo ThinkServer Partner Pack	2.0	.0.0.0	Yes	9/17/2014 5:59:	Lenovo ThinkServer Part		
	-1	Microsoft Audit Collection Services	7.0	.0.8560.0	Yes	7/10/2014 12:15			
Discovery wizard		🌃 Microsoft Data Warehouse Reports	7.0	.0.8560.0	Yes	7/10/2014 12:30	Microsoft System Center		
Monitoring		🌇 Microsoft Generic Report Library	7.0	.0.8560.0	Yes	7/10/2014 12:17	Microsoft System Center		
montoring		Microsoft Service Level Report Library	7.0	.0.8560.0	Yes	7/10/2014 12:30	Microsoft System Center		
Authoring		📷 Microsoft System Center Application	. 7.0	.0.8560.0	Yes	7/10/2014 12:18	System Center 360 3-Tier		
Administration		🚟 Microsoft System Center Operations	7.0	.0.8560.0	Yes	7/10/2014 12:14	Microsoft System Center		
	1	📸 Microsoft System Center Visualizatio	7.0	.0.8560.0	Yes	7/10/2014 12:18	Microsoft System Center		
My Workspace		📸 Microsoft SystemCenter Operations	7.0	.0.8560.0	Yes	7/10/2014 12:18	Microsoft System Center		
-	•	Microcoft Suctom Contor Vicuslisation	70	0.0560.0	Vec	7/10/2014 12:10	Containe configuration		
Ready	_						/		

Figure 25: Delete Lenovo ThinkServer Partner Pack from Administration Screen

	Operations Manager	x
?	Deleting a Management Pack might affect the scoping of some user roles. Are you sure you want to delete Lenovo ThinkServer Partner Pack version 2.0.0.0?	
	<u>Y</u> es <u>N</u> o	

Figure 26: Confirmation Message

6. Click **Yes** to delete the Management pack. The Management pack is deleted.

3 Additional Information

3.1 **Troubleshooting**

▲*Error*# 1: Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager fails, Event ID 26319

Solution: Delete the old version of the Lenovo ThinkServer Partner Pack and import the new version of the Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager.

3.2 Abbreviations

Value	Definition			
SCOM	System Center Operations Manager			
MP	Management Pack			
BMC	Baseboard Management Controller			
CIM	Common Information Model			
HTML	Hyper Text Mark-up Language			

3.3 Frequently Asked Questions (FAQs)

1. Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager will work with all Lenovo Servers?

Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager is available only for Lenovo ThinkServer with Intel® Xeon® processor E5-2600 v2 product family or Intel® Xeon® processor E5-2600 v3 product family or above.

2. Does Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager work with browsers like Google Chrome & Mozilla Firefox?

No. Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager works with SCOM console only.

3. Where can we install Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager?

Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager is targeted on a SCOM server.

4. What version of Windows Server & SCOM is supported with Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager?

Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager supports only Windows Server 2008 R2/2012 R2 along with SQL Server 2008 R2 SP1 & Operations Manager 2012 SP1 and above. In windows server registry,

 $\label{eq:hardware} \verb|description|System|BIOS|BaseBoardManufacturerkey| value should contain Lenovo.$

5. Are there any different user privileges required for us to run the Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager?

No, but ensure that you have administrator access to the system, in which you are installing the Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager. Moreover, there is no special user privilege required to access Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager.

6. What are the features available with Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager and what components can I see with the Partner Pack?

Details of Memory, Processors, Temperature, FAN & System board components can be seen by using the Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager. The Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager provides the following details:

- Detailed Server information of the Lenovo ThinkServer at the Host level from the **Hosts** view.
- Information including the number of Virtual Machines and Operating System version from the **Server Information** detailed view
- Inventory of the detailed Server information including the Memory, Processors and Server Information. In addition to this, the FAN, Temperature Sensor, FRU and Power Supply Unit (PSU) information is available out of band
- Details of the System board such the Server model, Serial number & UUID

Apart from the above details, the following functionalities are also embedded in the Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager.

- Power-off and Restart through in-band functionality
- The capability to directly launch the remote console of a selected host (Remote Desktop)
- The capability to link and launch the Lenovo ThinkServer System Manager web page of the selected host
- The capability to Launch Host Console out of band

7. Where can I get the Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager?

Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager is available on the global website of Lenovo.

8. How can I reach Lenovo if there is an issue with Lenovo ThinkServer Partner Pack for Microsoft System Center Operations Manager?

You can reach Lenovo support (refer contact information) and submit your questions or concerns.

4 Appendix A. Notices

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