Lenovo XClarity Integrator Installer for Microsoft System Center
User's Guide

Version 6.0

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Edition notice

This edition applies to version 6.0 of Lenovo XClarity Integrator Installer for Microsoft System Center 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 the Lenovo Integrator Installer for Microsoft System Center.

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.

Information resources

You can find additional information about the Lenovo Integrator Installer for Microsoft System Center 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 the *Lenovo XClarity Integrator Installer for Microsoft System Center User's Guide* is available from the product download page. Click the following link to locate the product page for this publication: Lenovo System x Integration Offerings for Microsoft Systems Management Solutions portal.

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 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 System x, BladeCenter® servers, and systems management tools.

Lenovo website for Microsoft Systems Management Solutions for Lenovo servers

Lenovo System x Integration Offerings for Microsoft Systems Management Solutions portal

Locate the latest downloads for Lenovo XClarity Integrator Installer for Microsoft System Center, v6.0.

Lenovo Systems Technical Support

Lenovo Systems Technical Support

Locate support for Lenovo hardware and systems management software.

Lenovo ServerProven® pages

Lenovo ServerProven: Compatibility for hardware, applications, and middleware

Lenovo ServerProven: Compatibility for BladeCenter products

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

System Management with Lenovo XClarity Solution

System Management with Lenovo XClarity Solution

This website provides an overview of Lenovo XClarity solution, which integrates into System x M5 and M6, as well as Flex System, to provide system management capability.

Chapter 1. Lenovo XClarity Integrator Installer for Microsoft System Center, v6.0

This section provides an overview of the Lenovo XClarity Integrator Installer for Microsoft System Center, v6.0.

Computer requirements

The following hardware, operating systems, and software are supported for this release.

Hardware requirements

The Lenovo XClarity Integrator Installer tool has no special hardware requirements. It can be run on Lenovo and non-Lenovo servers, workstations, and laptops that support the Windows operating system.

Supported operating systems

The Lenovo XClarity Integrator Installer tool is supported on the following Windows operating systems:
- Windows Server 2003 SP2 / R2 SP1 (Enterprise Edition, Standard Edition)
- Windows Server 2003 SP2 / R2 x64 (Enterprise Edition, Standard Edition)
- Windows Server 2008 SP1 / SP2 (Enterprise Edition, Standard Edition)
- Windows Server 2008 SP1 / SP2 x64 (Enterprise Edition, Standard Edition)
- Windows Server 2008 R2
- Windows Server 2012
- Windows Server 2012 R2

Software requirements

The account that is used to install the Lenovo XClarity Integrator Installer tool on the host computer must have administrator privileges.

Chapter 2. Installing components

The setup wizard for the Lenovo XClarity Integrator Installer guides you through the steps required to install components.

Installing components by using the setup wizard

Use the setup wizard to install components.

About this task

To install components, complete the following steps.

Procedure

1. Unzip the Lenovo XClarity Integrator Installer package, and click the executable file setup.exe to open the setup wizard. The splash page for Lenovo XClarity Integrator Installer for Microsoft System Center, v6.0 opens, followed by a language selection list.
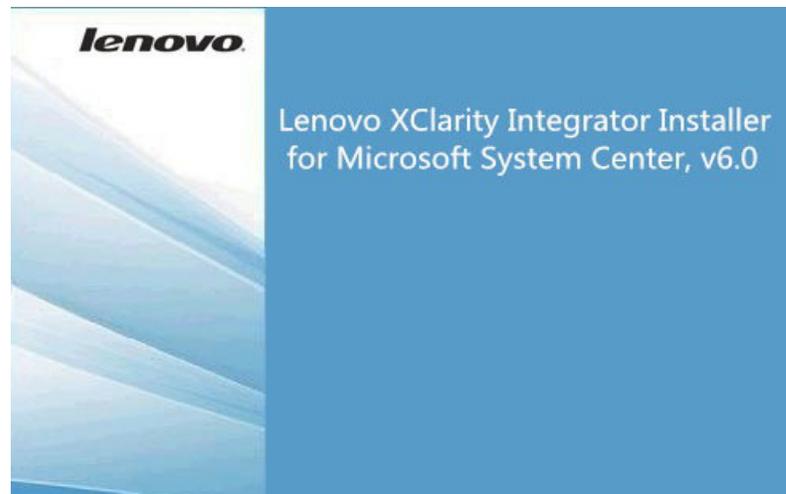
Figure 1. Initializing the setup wizard

Figure 2. Language selection list

2. Select a language for the Lenovo XClarity Integrator Installer.

   Note: The components are installed in the same language that you select.

Figure 3. Welcome page

3. On the Welcome page, click **Next**. The Prerequisites page opens.
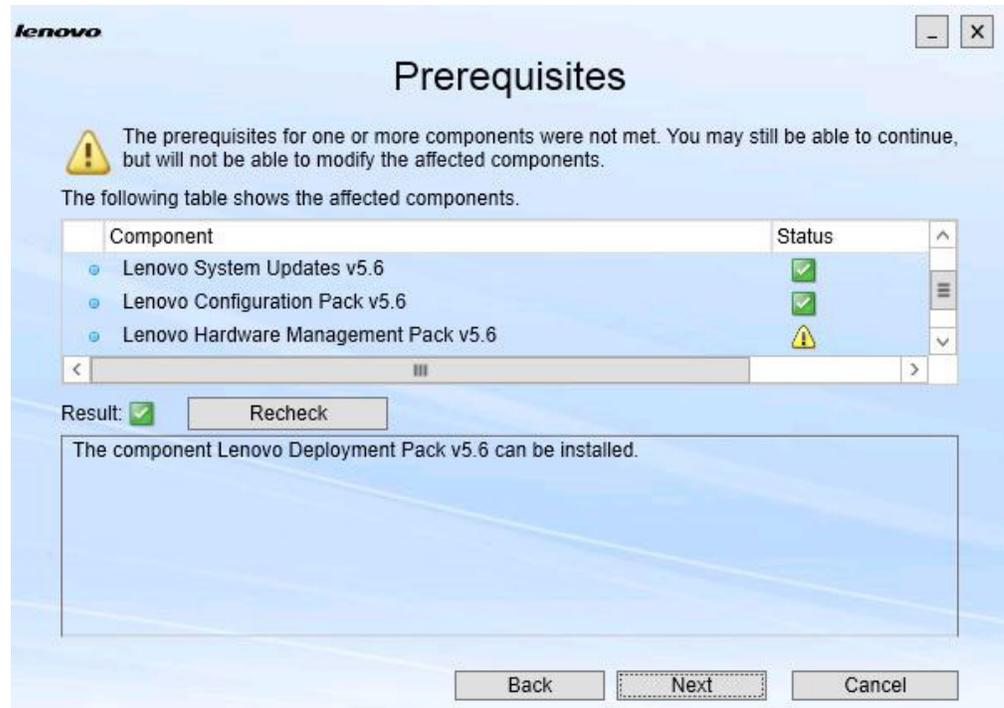
Figure 4. Prerequisites page

4. Before installing or upgrading components, review the Prerequisites page to make sure that all prerequisites are met. If a prerequisite is not met, the status icon next to it is a red x, the **Next** button is disabled, and the installation cannot continue.

   Before continuing, change the installation environment and then check the prerequisites again.

5. When all prerequisites are met, click **Next** to continue with the installation. The Install Suite Components page opens.
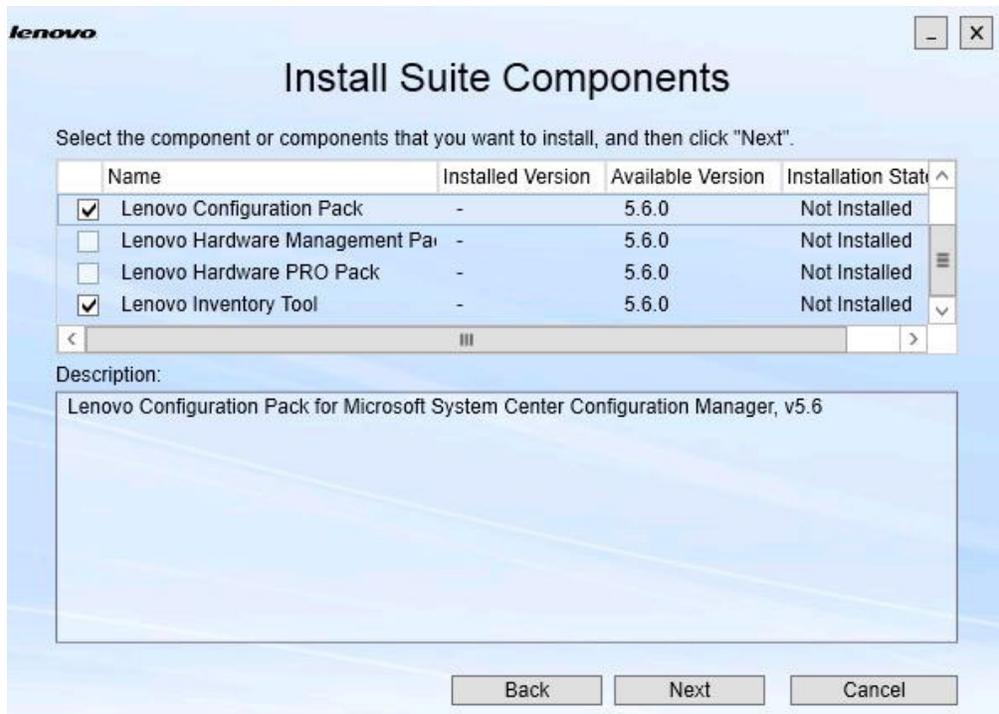
Figure 5. Select the components to install

The Install Suite Components page shows details, including the installed version, available version, and installation state for the components. The installed version is the version that has been installed on the system. The available version is the version included in the Lenovo XClarity Integrator Installer.

The installation state depends on the installed version and available version. There are four installation states:

- `Not Installed` - there is no installed version.
- `Installed` - the installed version is the same as the available version.
- `Upgrade` - the installed version is older than the available version.
- `Cannot Install` - the installed version is newer than the available version.

If a prerequisite for a component has not been met or if the installation state is **Cannot Install**, the related check box is disabled. This state means that there is no available action for this component. The reason is displayed in the description area.

6. Select one or more available components and click **Next**. The Confirmation page opens.
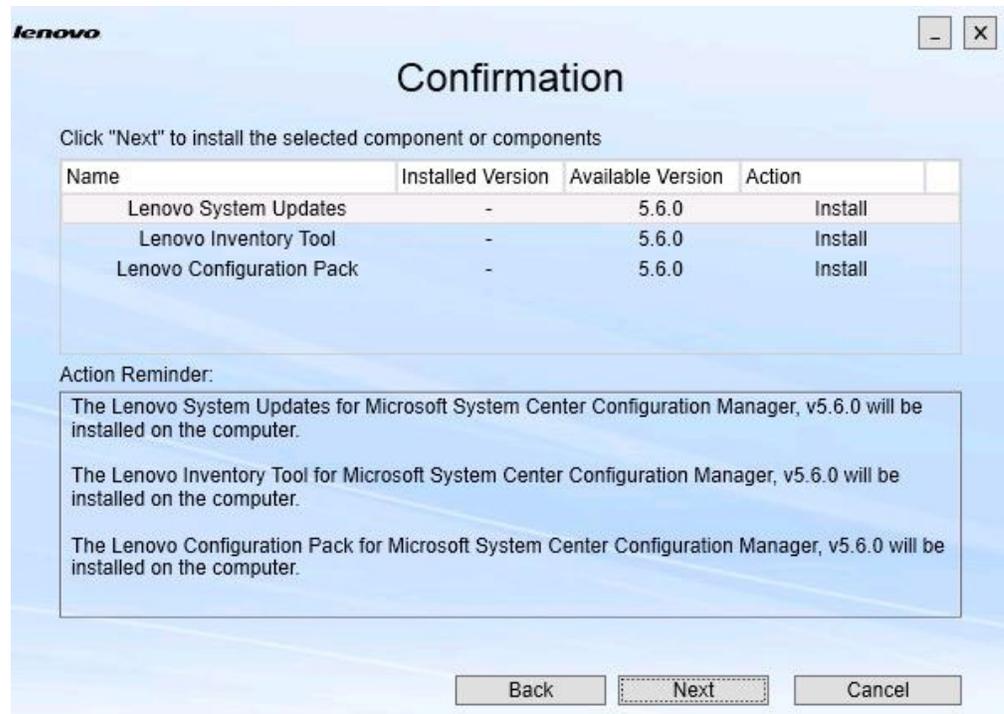
Figure 6. Confirmation of components

The Confirmation page summarizes information that you must confirm before starting to install, repair, upgrade, or uninstall a component. It shows the actions that will be implemented.

When a component is selected, the related information is displayed in the **Action Reminder** area.

7. To start the action indicated, click **Next**. The installation wizard status is displayed.

The installation wizard starts the process, and each component is processed one by one by its respective installation application.

Figure 7. InstallShield Wizard status

8. Optional: To stop the installation that is in progress for all remaining components, click **Cancel**. The installation for the component running when you click **Cancel** will continue, while the installation of all remaining components is canceled. The following message is displayed.
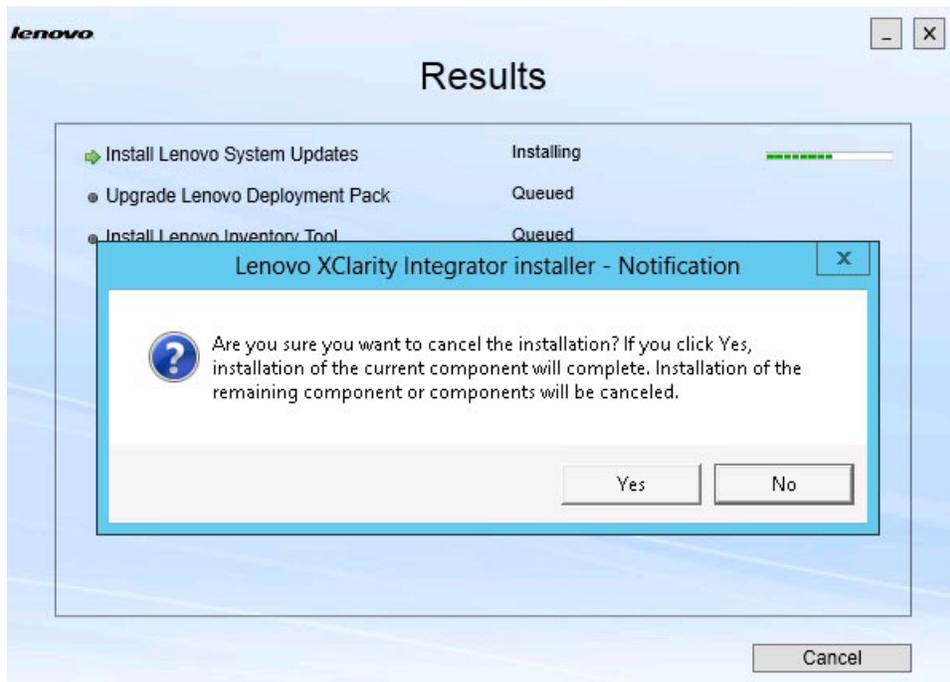
Figure 8. Message asking if you want to cancel the installation

To cancel the installation, click **Yes**. To continue with the installation, click **No**.

When the installation process completes, the Results page opens.

Figure 9. Installation results page

The Results page shows the results of the installation. If an action fails to install, it will be designated with an **X** icon. To open the log file for more information about the problem, click **Detail**.

9. To complete the wizard, click **Finish**.

Chapter 3. Maintaining components

If components were previously installed byLenovo XClarity Integrator Installer, the Maintenance page opens when you start the Lenovo XClarity Integrator Installer.

Figure 10. Maintenance page

From this page, you can change, repair, and uninstall features.

Changing components

Use the Change option to add, remove, and update a component.

Procedure

1. On the Maintenance page, click **Change**. The Prerequisites page opens.
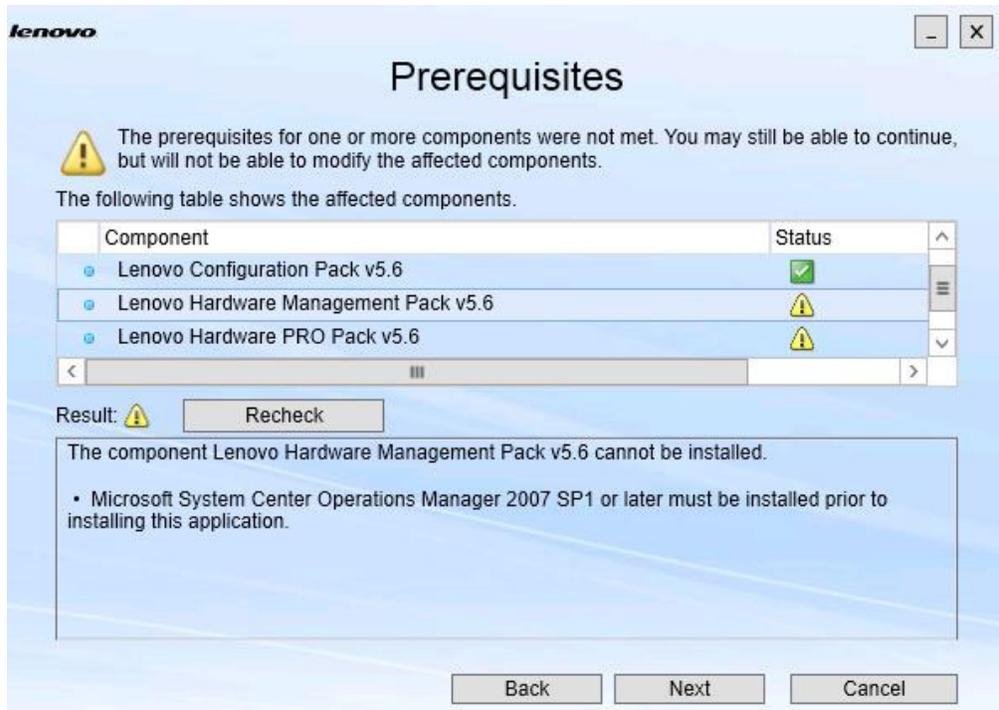
Figure 11. Prerequisites

2. Ensure that you have met the prerequisites for the components, and click **Next**. The Add/Remove Suite Components page opens.
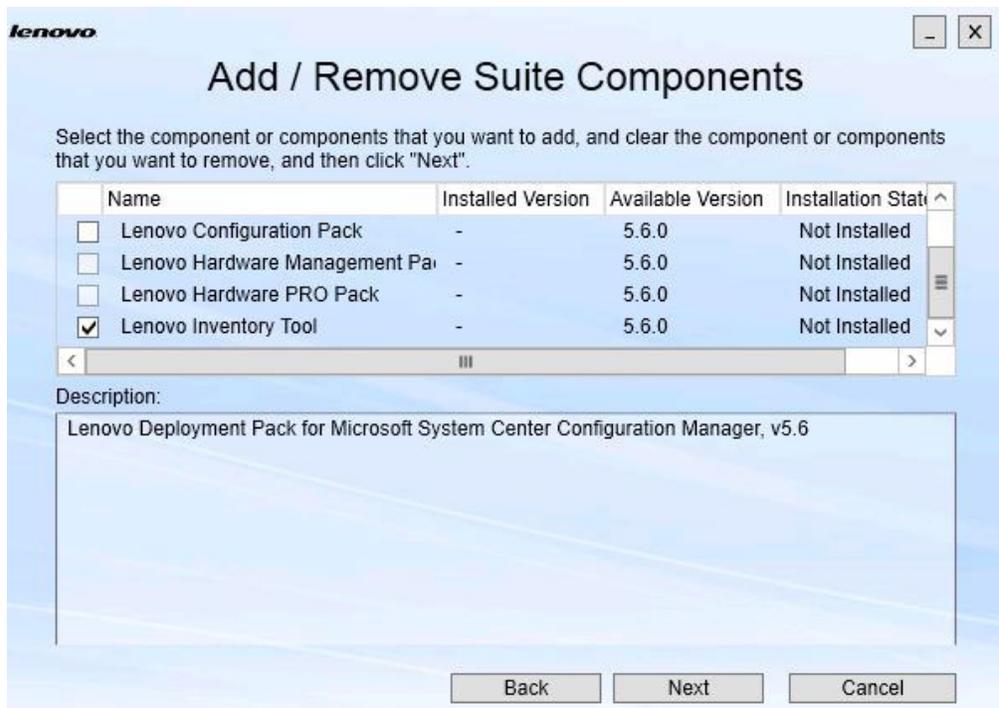

Figure 12. Add and remove suite components

If a component has been installed, its respective check box is selected and the location destination is disabled. You cannot change it.

If an older version of the component exists, you can install the upgraded version after prerequisites are met by selecting the check box for that component.

If the check box for a component is disabled, you cannot install it. There are two reasons why a component might be inaccessible:

- A newer version of the component exists on the target computer.
- Prerequisites for the component have not been met.

3. On the Add/Remove Suite Components page, either uninstall, install, or upgrade a component.

Option	Description
Uninstall a component	Clear the check box for the component, and click **Next**. A message is displayed asking you to confirm the uninstallation process. Click **Yes** to uninstall the component.
Install a component	Select the check box for the component, and click **Next**.
Upgrade to a newer version of the component	Select the check box for the updated component, and click **Next**. The Confirmation page shows the information for the new version.

The Confirmation page opens after you perform any of the actions listed above.
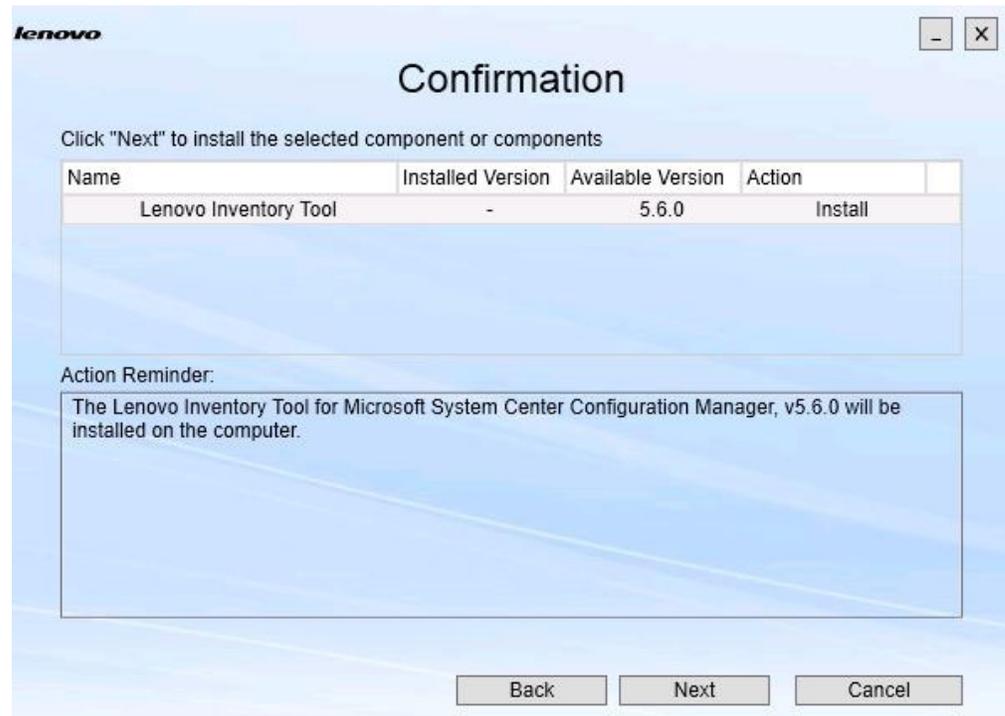
Figure 13. Confirmation page

4. To start the action indicated, click **Next**. The installation wizard status window opens.
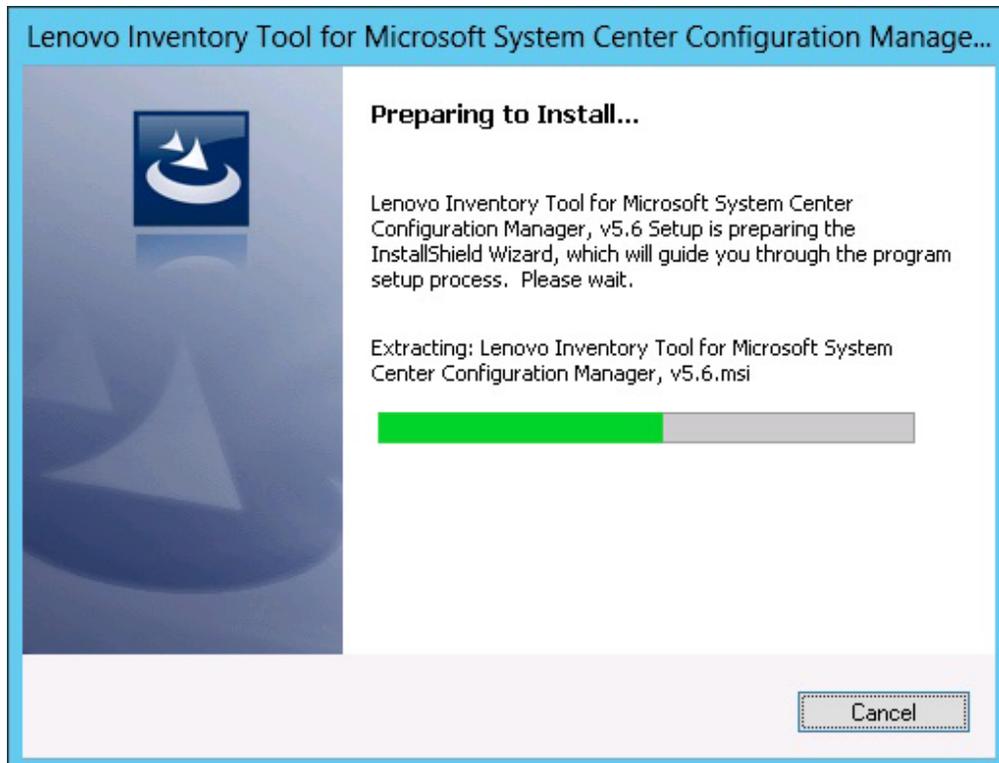
Figure 14. InstallShield Wizard status

The installation wizard starts, and the components are installed one at a time through their respective installation applications.

When the installation process completes, the Results page opens and indicates whether the installation was successful or not.
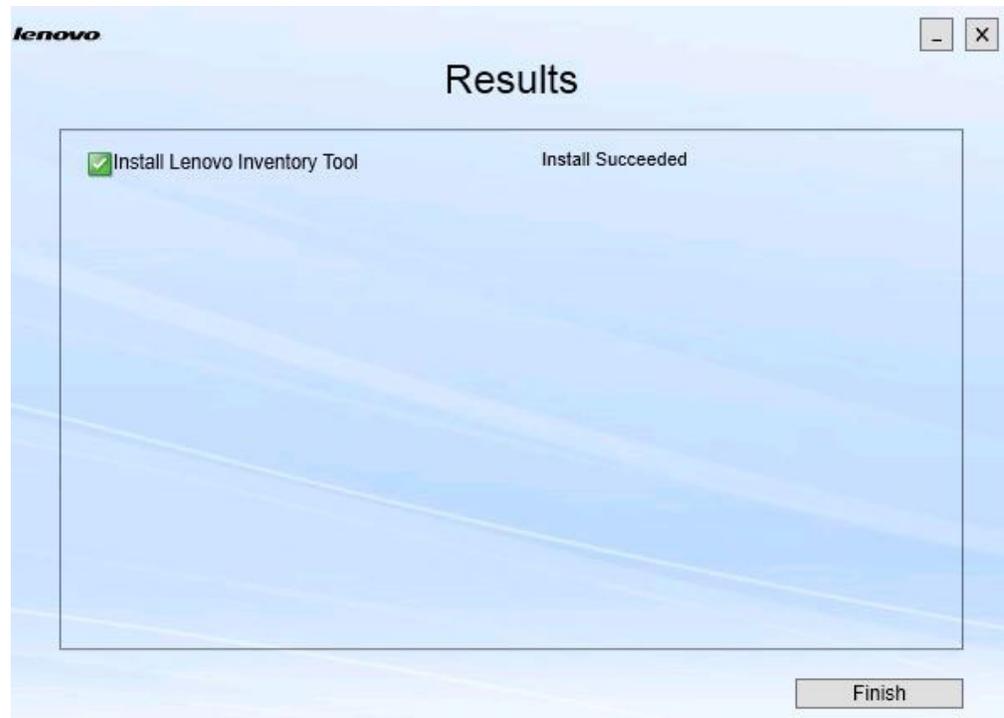
Figure 15. Installation results

5. `Optional:` If an action does not complete successfully, the **Detail** option is presented, which opens the log file.

6. When you are ready to exit the wizard, click **Finish**.

Repairing components

Use the Repair option to repair installed files, registry values, and other items for an installed component.

About this task

The user interfaces for the Repair option and the Change option are basically the same. On the Repair Suite Components page, for instance, the components you can repair are listed, as shown on the Repair Suite Components page. Uninstalled components are disabled.

Procedure

1. From the Maintenance page, select **Repair**. The Repair Suite Components page opens.
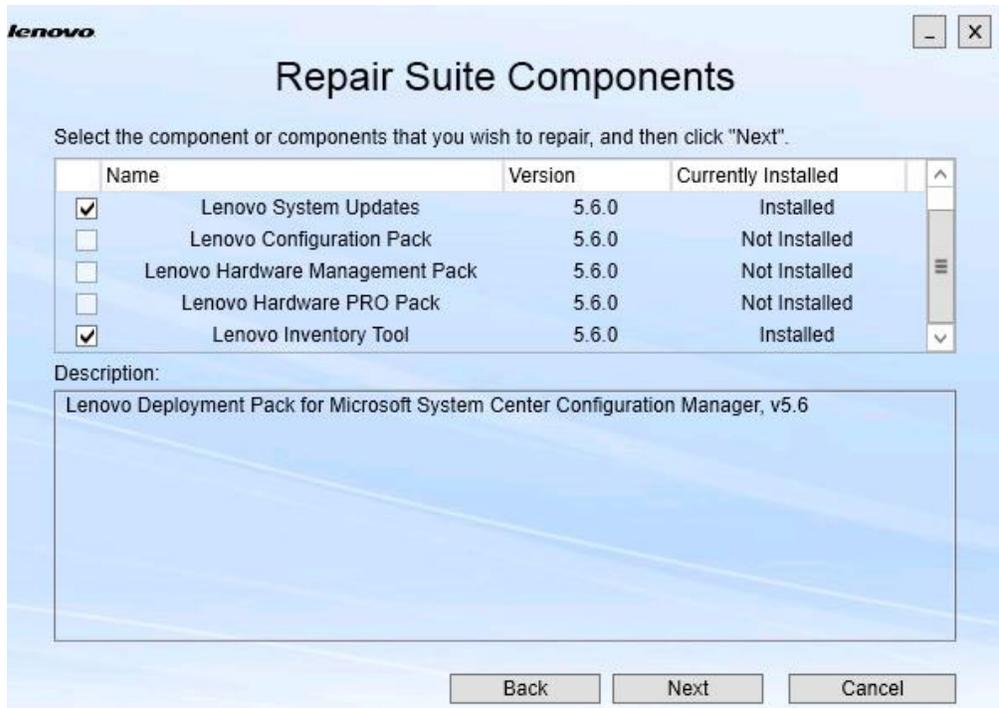
Figure 16. Repair Suite Components page

2. Select the check box for the component that you want to repair, and click **Next**. The Repair Confirmation page opens.
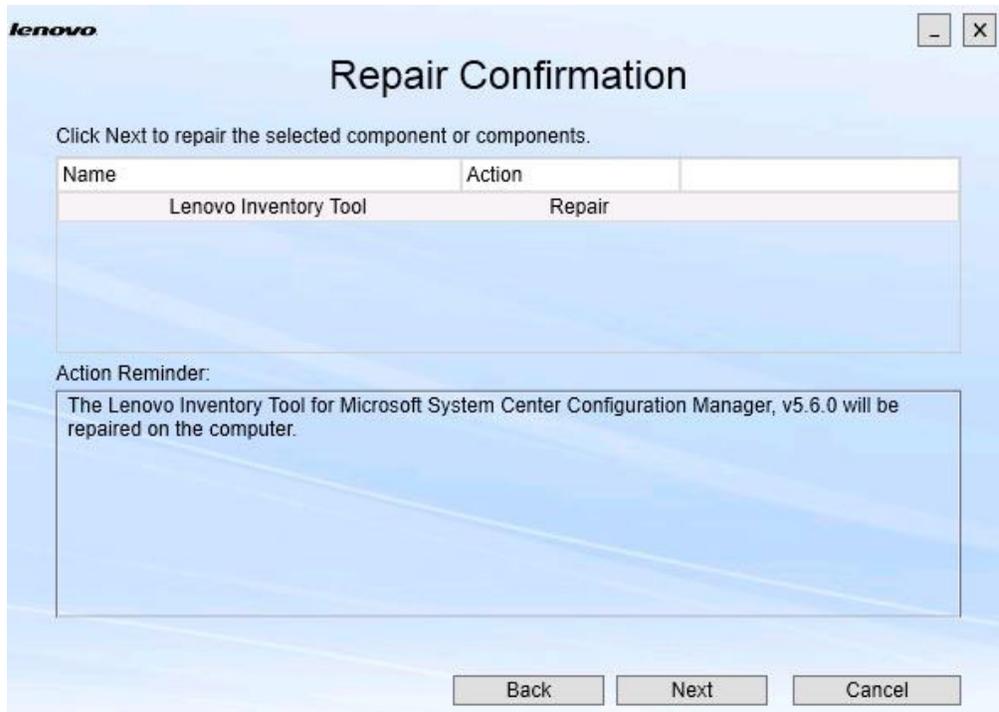
Figure 17. Repair Confirmation page

3. To start the repair action, click **Next**. The installation wizard opens.
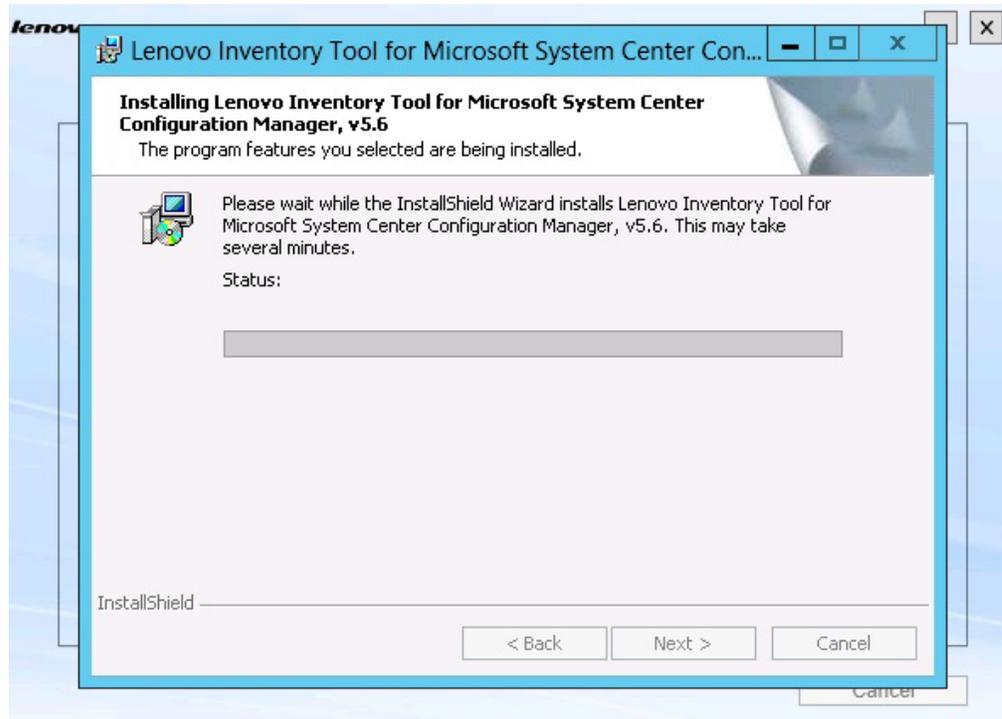
Figure 18. Installation wizard

The installation application for each component performs the repair work for that component. This is done component by component.

When the installation completes, the Results page opens and shows the status of the repair.

Figure 19. Repair results

4. Click **Finish**.

Uninstalling components

To remove all installed components, use the **Uninstall** option. To remove a single component, use the **Change** option on the Maintenance page.

Procedure

1. From the Maintenance page, click **Uninstall**. The Confirmation page opens.
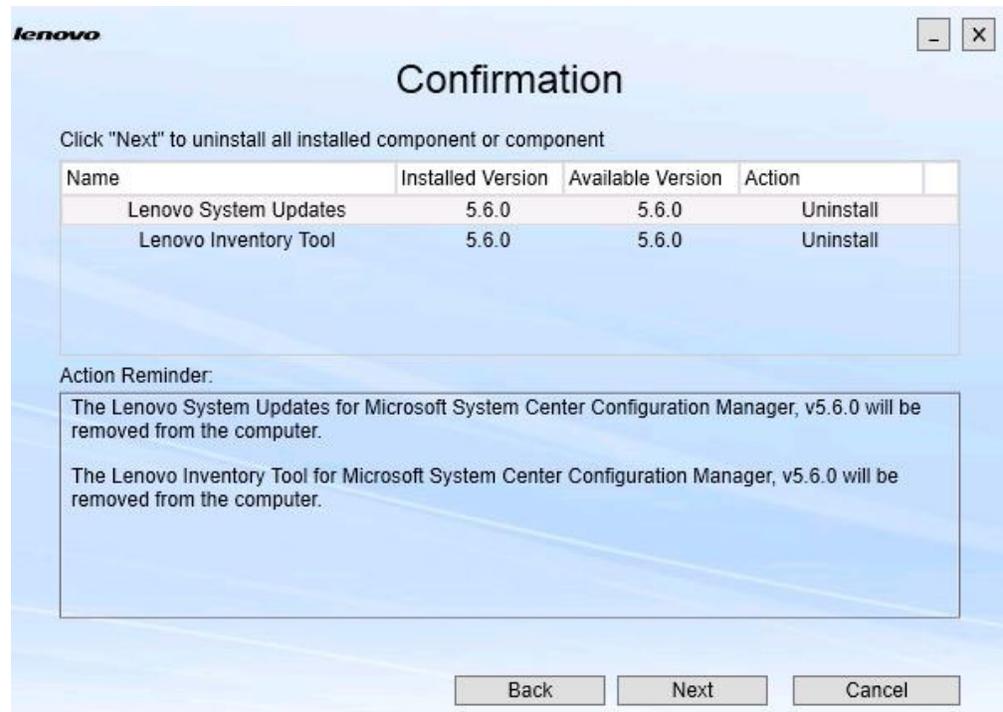
Figure 20. Confirmation page

The Confirmation page summarizes the actions to be taken and requires you to confirm that you want to continue with the uninstallation.

2. To uninstall the components, click **Next**.

The components are uninstalled one by one. During the process, you must confirm the uninstallation action for each component before it is uninstalled, as shown in the following figure.
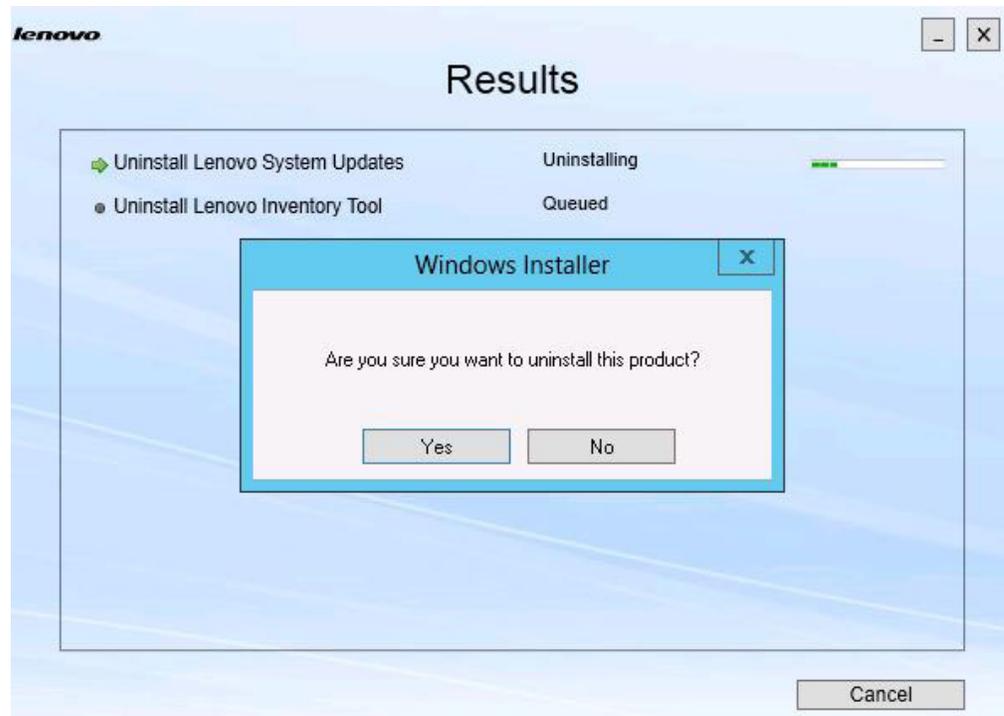
Figure 21. Message asking you to confirm the uninstallation

3. Click **Yes** to complete the process. When the process completes, the Results page opens.
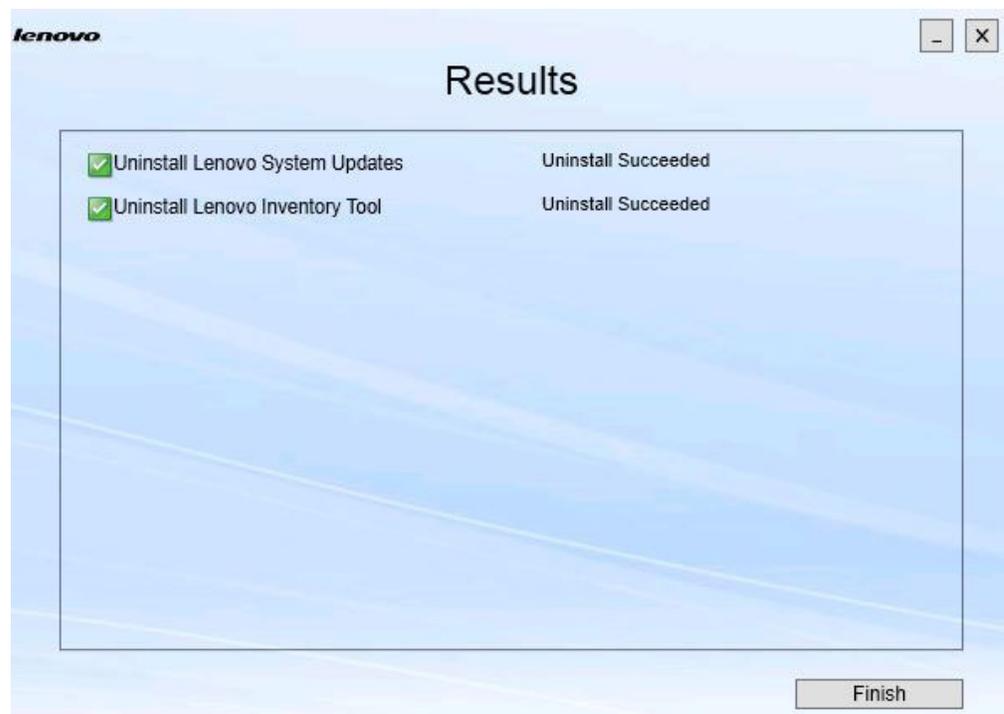
Figure 22. Results page

4. Click **Finish**.

Appendix A. Troubleshooting

This topic describes situations you might encounter and provides tips for addressing them.

The installation wizard does not launch when .Net Framework v4.0 is not installed

> **Issue**:
>
> .Net Framework 4.0 or a later version is not installed on this computer.
>
> **Possible solution**:
> Before attempting to start the installation wizard, install .Net Framework 4.0. You can download it from http://www.microsoft.com/en-US/download/details.aspx?id=17718

The installation wizard will neither install nor launch due to limited disk space

> **Issue**:
>
> An error message is displayed indicating that there is not enough disk space to install the components.
>
> **Possible solution**:
> Clear space on your hard disk drive so that you have enough disk space to install the components.

The installation wizard will fail on Windows 2003 server if .Network Framework 4.0 or later is not installed

> **Issue**:
>
> The installation wizard either cannot be started or fails if .Network Framework 4.0 or later is not installed on Windows 2003 server. It is a known limitation.
>
> **Possible solution**:
> Install .Net Framework 4.0 or a later version on the target server before running the installation wizard.

Lenovo Hardware PRO Pack can be uninstalled while leaving Lenovo Hardware Management Pack

> **Issue**:
>
> Lenovo Hardware PRO Pack functionality depends on Lenovo Hardware Management Pack being installed. If you uninstall the Lenovo Hardware PRO Pack using the Lenovo Integrator Installer installation wizard, it prompts you to uninstall Lenovo Hardware Management Pack as well.
>
> If you uninstall Lenovo Hardware Management Pack from the Start menu or from the Control Panel, the Management Pack can be uninstalled while leaving the PRO Pack installed on the system. However, when you remove the Lenovo Hardware Management Pack from the SCOM console, you must uninstall the PRO Pack first. The PRO Pack cannot work without the Lenovo Hardware Management Pack being installed.
>
> **Possible solution**:
> Uninstall the Lenovo Hardware PRO Pack before uninstalling the Lenovo Hardware Management Pack.

The Installation wizard installs components to a network mapped drive, but components cannot be started

Issue:

Although components are installed to a network mapped drive, the components cannot be started normally. When the installation wizard installs components to a network mapped drive, only the component files are copied.

The information generated when a component is running is recorded on the local machine. So the component cannot be started from a remote server directly.

Appendix B. References

These topics contain additional reference information to help you use the product.

Accessibility features for Lenovo XClarity Integrator Installer

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

Accessibility

Lenovo System Updates include the following accessibility features:

- It can be operated through only the keyboard
- All information is communicated independent of color
- System settings for font, size, and color are inherited
- It supports interfaces commonly used by screen readers and screen magnifiers

Keyboard navigation

This product uses standard Microsoft Windows navigation keys.

Lenovo and accessibility

For information about the commitment that Lenovo has to accessibility, see the Lenovo Accessibility Features website.

Accessibility deviation

The following issues are known accessibility limitations.

JAWS cannot communicate whether the check box is selected or cleared in the installation wizard

If you select one item in the list view on the Install/Upgrade page or on the Add/Remove page in the installation wizard and then press the space bar to select or clear the item check box, JAWS (job access with speech) cannot determine whether the check box is selected or not. This issue is a known limitation.

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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.

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