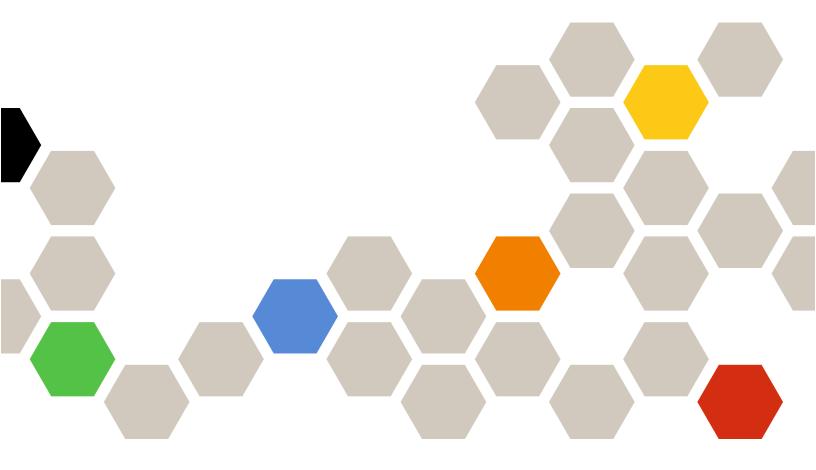# Lenovo XClarity Integrator Add-in for Microsoft System Center Virtual Machine Manager Release Notes

Version 3.6.0

Note

Before using this information and the product it supports, read the information in Appendix A "Notices" on page 7.

Contents

About this publication

This release notes offer an overview of functionalities that are new in Lenovo XClarity Integrator Add-in for Microsoft System Center Virtual Machine Manager version v3.6.0, as well as important information on known limitations and workarounds for the product.

For information on installing and using the Lenovo XClarity Integrator Add-in, see the *Lenovo XClarity Integrator Add-in for Microsoft System Center Virtual Machine Manager User's Guide*.

The Lenovo XClarity Integrator Add-in for Microsoft System Center Virtual Machine Manager is a plug-in application for Microsoft System Center Virtual Machine Manager that is designed to manage Lenovo System x and Flex System servers and offer value-add features that connect the hardware infrastructure and the virtual infrastructure.

Conventions and terminology

Paragraphs that start with a bold **Note**, **Important**, or **Attention** are notices with specific meanings that highlight key information.

Note: These notices provide important tips, guidance, or advice.

Important: These notices provide information or advice that might help you avoid inconvenient or difficult situations.

Attention: These notices indicate possible damage to programs, devices, or data. An attention notice appears before the instruction or situation in which damage can occur.

The following table describes some of the terms, acronyms, and abbreviations used in this document.

Table 1. Definitions for terms used in this guide

Term, Acronym, or Abbreviation	Definition
baseboard management controller (BMC)	A service processor that consolidates service processor functions and a video controller in a single chip.
Lenovo XClarity Administrator	Provides a single element manager for x86 nodes in both Flex Systems and stand-alone racks.
Lenovo XClarity Integrator (LXCI)	A tool suite that provides IT administrators with the ability to integrate the management features of the System x with Microsoft System Center. Lenovo expands Microsoft System Center server management capabilities by integrating Lenovo hardware management functionality, providing affordable, basic management of physical and virtual environments to reduce the time and effort required for routine system administration. It provides the discovery, configuration, monitoring, event management, and power monitoring needed to reduce cost and complexity through server consolidation and simplified management.
Management Node	A physical or virtual machine on which the SCVMM service, the Lenovo XClarity Integrator Service and the Lenovo XClarity Integrator Add-in for Microsoft System Center Virtual Machine Manager are installed and running
Managed Node	A physical machine managed with SCVMM, on which the SCVMM Agent is installed and running
PFA	Predictive Failure Alert

Table 1. Definitions for terms used in this guide (continued)

Term, Acronym, or Abbreviation	Definition
SCVMM	Microsoft System Center Virtual Machine Manager
UXSP	UpdateXpress System Pack
CA	Certificate Authority
FQDN	Fully Qualified Domain Name

Web resources

The following Web sites provide resources for understanding, using, and troubleshooting System x, Flex System, BladeCenter servers, and systems-management tools.

Lenovo Web site for Microsoft Systems Management Solutions for Lenovo servers

Locate the latest downloads for the Lenovo XClarity Integrator Add-in for Microsoft System Center Virtual Machine Manager:

- Lenovo XClarity Integrator for Microsoft System Center Web site

System Management with Lenovo XClarity Solutions

This Web site provides an overview of the Lenovo XClarity solutions that integrate System x and Flex System hardware to provide system management capability:

- System Management with Lenovo XClarity Solution Web site

Lenovo technical support portal

This Web site can assist you in locating support for hardware and software:

- Lenovo Support Portal Web site

Lenovo ServerProven pages

Obtain information about hardware compatibility with Lenovo System x, BladeCenter, and IBM IntelliStation hardware.
- Lenovo ServerProven: Compatibility for BladeCenter programs
- Lenovo ServerProven: Compatibility for Flex System Chassis
- Lenovo ServerProven: Compatibility for System x hardware, applications, and middleware

Microsoft System Center Web site

This Web site can assist you in locating Microsoft System Center programs:

- Microsoft System Center Web site

Chapter 1. What's new in version 3.6.0

This topic provides information about new and enhanced features of Lenovo XClarity Integrator Add-in for Microsoft System Center Virtual Machine Manager, v3.6.0.

New function support
- Support Windows Server 2019 in management server and client server

New software support
- Microsoft System Center Virtual Machine Manager 2019

New operating system support
- Windows Server 2019

Chapter 2. Known limitations, problems, and workarounds

The following limitations, problems, and workarounds are applicable to the Lenovo XClarity Integrator Add-in.

- **SCVMM Add-in does not support firmware updates with policy on servers using DHCPv6 or statically assigned IPv6 addresses.**
- **SCVMM Add-in does not support IMM authentication and PFA management functions on X3250 M6.**
- **Current versions of IMM2 (Primary) and IMM2 (Backup) might be reversed.**

  During the creation of a Rolling System Update task, the current versions of IMM2 (Primary) and IMM2 (Backup) might be reversed.
- **You cannot use firmware updates without policy to update Intel X550 2x10GBase-T Adapter.**
- **Cannot log in to Integrator Service**

  If you are using a proxy server, perform one or more of the following steps.

  Note: To determine whether a proxy server is being used, click **Internet Options ➜ Connections ➜ LAN settings**, and check whether **Proxy server**is enabled.
  - If the proxy requires a user name and password, navigate to a web page using Internet Explorer. Enter your user name and password in the dialog, and check the **Remember** checkbox.
  - If the Integrator Service is installed on the same host as Lenovo XClarity Integrator Add-in, select **Bypass proxy server for local addresses** in Internet Options.
  - Do not use proxies.
- **Failed to connect to** Lenovo XClarity Integrator **Service server**

  If you manually restart Lenovo XClarity Integrator services or reinstall or upgrade Lenovo XClarity Integrator, you might encounter an issue that states that Lenovo XClarity Integrator failed to connect Lenovo XClarity Integrator Service server. This is an known issue due to the old services not being stopped successfully.

  Workaround: Manually stop Lenovo XClarity Integrator services and python processes that are related to Lenovo XClarity Integrator, and then restart Lenovo XClarity Integrator services again.
- **Failed to load SQL modules into the database cluster**

  During the PostgreSQL database installation, the error message `Failed to load SQL modules into the database cluster` displays for several seconds and then closes automatically.

  Workaround: You can ignore this error. After installation completes, the database operates correctly.
- **Some servers running Windows Server 2016 are not supported as managed nodes**

  Lenovo XClarity Integrator Add-in for Microsoft System Center Virtual Machine Manager does not support the servers with the following machine types running Windows Server 2016 as managed nodes:

  Machine types: 7875, 1929, 8038, 8039, 2582, 5457, 2583, 5458, 7382, 7383, 7160, 7914, 7158, 7159, 7915, 5460, 5466, 8722, 8733, 8752, 8718, 7145, 7146, 3837, 3839, 7143, 7191, 3837, 3839, 7918, 7919, 7912, 7913, 8737, 8738, 7863, 8956, 7906, 2585, 7916, 7917, 4259, 7903, 4259, 7903, 4259, 7903, 5455
- **Lenovo XClarity Administrator registration**

  Some Lenovo XClarity Integrator Add-in functions depend on the Lenovo XClarity Administrator.

  Register all Lenovo XClarity Administrator instances in Lenovo XClarity Integrator Add-in prior to using the following functions:
  - Chassis Map
  - Configuration Patterns
  - Firmware Compliance
- **Virtual Machine Manager Console requirements**

Virtual Machine Manager Console can only run from the same system where Virtual Machine Manager Service is installed.

Lenovo XClarity Integrator Add-in for Microsoft System Center Virtual Machine Manager will not work correctly if you try to run Virtual Machine Manager Console from a different system.

- **Internet Explorer patch KB3087038**

  Some functions in Lenovo XClarity Integrator Add-in for Microsoft System Center Virtual Machine Manager require that Microsoft Internet Explorer (IE) be patched with the IE KB3087038 or later update. Follow the steps in the procedure to ensure that you have a compatible version of Internet Explorer.
  1. Check to see whether your version of Microsoft Internet Explorer requires a patch.
     a. Open the About Internet Explorer dialog.

        Note: The steps you use to open the dialog may vary among Internet Explorer versions
     b. Check the version number. If the version number is less than 10.0.9200.17492, then you need to patch Internet Explorer with Internet Explorer update KB3087038. If the value is equal to or greater than 10.0.9200.17492, then you do not need to patch it.
     c. If you need to patch Internet Explorer, proceed to the next step. If you do not need to patch Internet Explorer, stop here.
  2. Download and install the KB3087038 patch.

- **Use of identical passwords in installations**

  If you reinstall or upgrade the Lenovo XClarity Integrator Add-in, use the same database/master password that you used in the previous installation.

  If you use a different password, the installation process may result in database failure, and sensitive user data that is stored in the database can become invalid.

- **Rolling System Update requirements**

  Before you use the Rolling System Update functions, make sure that you have met the requirements in this section.

  Make sure that you have done the following:
  – Put server hosts in clusters and ensure that the operating systems on those server hosts have already been authenticated with the OS username, OS password, and SCVMM Runas account.
  – Set Rolling System Update preferences. For detailed instructions on setting Rolling System Update preferences, see the *Lenovo XClarity Integrator Add-in for Microsoft System Center Virtual Machine Manager User's Guide*.

    Note: It is especially important that the username and password for the local operating system on which the Lenovo XClarity Integrator Add-in is installed be set.

  Important: Use the domain administrator user account for every place where user authentication information is needed, including the SCVMM Runas account.

  Note: The Lenovo XClarity Integrator Add-in needs time to collect information from each managed server, and to fetch data and update metadata from the Lenovo website. The Rolling System Update may not work correctly for creating or editing a task during the process.

- **Lenovo XClarity Integrator Add-in page display failure**

  A Lenovo XClarity Integrator Add-in page occasionally fails to display or displays blank.

  If this happens, you can try to resolve the problem by:
  – Following the instructions, if instructions exist, on that page
  – Reloading the page: right-click on the page and select Refresh
  – Restarting the SCVMM console

- **The Lenovo XClarity Integrator Service session becomes invalid**

The Lenovo XClarity Integrator Add-in console logs in to the background daemon, the Lenovo XClarity Integrator Service, when the console starts. That is, a new session is created.

The session does not expire if the console stays open and the daemon stays in service without interruption. But when the daemon is somehow interrupted, for example by being restarted, the session becomes invalid.

When a session becomes invalid, you will observe the following symptoms:
– The asset tree pane in the Lenovo XClarity Integrator Add-in-in shows nothing more than root nodes, or asset changes are not shown in the asset tree pane.
– The functional UI pages display as blank or contain no data when the data should display.

Note: For instructions on how to check log-on history, see "Appendix B. Checking Lenovo XClarity Integrator Service sessions" in the *Lenovo XClarity Integrator Add-in for Microsoft System Center Virtual Machine Manager User Guide*.

To fix the problem, use the following procedure to restart the SCVMM Console and the Lenovo XClarity Integrator Add-in console.
1. Click **Close** on the SCVMM Console window to close the current SCVMM Console.
2. From the Windows desktop, double-click the SCVMM Console shortcut to open the SCVMM Console window.
3. Open the Lenovo XClarity Integrator Add-in console by following the instructions in the "Starting the Lenovo XClarity Integrator Add-in" section in the *Lenovo XClarity Integrator Add-in for Microsoft System Center Virtual Machine Manager User Guide*.

- **Functions are not available for a System x server when selected from the asset tree view**

  Functions are not available for System x servers when selected from the asset tree view of Lenovo XClarity Integrator Add-in if the server's machine type is not determined.

  Complete one or more of the following steps to obtain machine type for a server.
  – Make the UUS server service run with a Windows/domain log-on that has the WMI read permission to the target Hyper-V system. To change the user account of a Windows service, see the Microsoft TechNet: Configure How a Service Is Started Web page.
  – Authenticate a hypervisor node with a Windows/domain log-on that has the WMI read permission to the target Hyper-V system.
  – Manage the server with a Lenovo XClarity Administrator, and register the Lenovo XClarity Administrator in Lenovo XClarity Integrator Add-in.
  – Discover the IMM for the specific server.

- **Failed to register Lenovo XClarity Administrator with IPv6 address**

  When you use an IPv6 address to register Lenovo XClarity Administrator, the message `Loading, Please wait …` is displayed but does not return because Lenovo XClarity Integrator Service could not get the certificate chain from the IPv6 address. This issue is a limitation of Lenovo XClarity Integrator.

  To resolve the problem, manually download the certificate from Lenovo XClarity Administrator, and add the certificate to Lenovo XClarity Integrator by clicking **Manage trusted certificates ➙ Add**.

  Note: Think servers only support the Rolling reboot. This is a limitation of Lenovo XClarity Integrator Add-in.

- **ThinkServer servers support only Rolling reboot**

  This is a limitation of Lenovo XClarity Integrator Add-in.

- **Failed to import a Lenovo XClarity Administrator certificate when using Internet Explorer 10**

  When you manually import a Lenovo XClarity Administrator certificate (PEM) file into Lenovo XClarity Integrator, the import might failed with the following message: `Fail to upload certificate file.` This is an known problem with Internet Explorer 10.

  Perform one of the following steps to workaround this problem:

- Upgrade Internet Explorer to a later version or use another web browser.
- When importing the certificate, select **Paste certificate in PEM format**. Do not use **Add from a file (PEM)** to add the certificate.

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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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