

# Lenovo XClarity Provisioning Manager

Introduction to LXPM, interface overview, how-to instructions for common tasks

The Lenovo logo is a red rectangular block with the word "Lenovo" written vertically in white, sans-serif font.

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# What is Lenovo XClarity Provisioning Manager

Lenovo XClarity Provisioning Manager (LXPM) is an initial system setup tool. It is embedded in ThinkSystem servers as the default F1 systems setup option. LXPM provides initial server setup functions, including:

- Reviewing system inventory
- RAID setup
- OS installation
- Windows or Linux driver bundle installation
- Firmware updates
- UEFI setup
- Diagnostics



## LXPM editions

LXPM is a free tool that comes embedded in ThinkSystem servers, so users do not need to install it.

A selected number of ThinkSystem servers do not support LXPM and are instead installed with LXPM Lite. LXPM Lite provides a limited selection of LXPM functions.

There are currently four editions of LXPM:

- LXPM
- LXPM V3
- LXPM Lite
- LXPM Lite V2

For a comparison of these editions and their functions, and for a list showing which editions are supported by Lenovo servers, refer to the following LXPM documentation website:

[https://sysmgt.lenovofiles.com/help/index.jsp?topic=%2Flxpm\\_frontend%2Flxpm\\_product\\_page.html&cp=8](https://sysmgt.lenovofiles.com/help/index.jsp?topic=%2Flxpm_frontend%2Flxpm_product_page.html&cp=8)

# How to access LXPM

On the server initial boot screen, press F1 to access LXPM.



## How to access LXPM Lite or LXPM Lite V2

To access LXPM Lite, users must create a bootable USB drive installed with the LXPM Lite image. Refer to the following LXPM Lite documentation website for complete instructions:

[https://sysmgt.lenovofiles.com/help/index.jsp?topic=%2FLXPML%2FLXPM\\_Lite\\_USB\\_creation.html&cp=8\\_1\\_2](https://sysmgt.lenovofiles.com/help/index.jsp?topic=%2FLXPML%2FLXPM_Lite_USB_creation.html&cp=8_1_2)

To access LXPM Lite, work through the following procedure after creating a bootable USB drive:

1. Connect the LXPM Lite bootable USB storage drive to your server.
2. Turn on the server.
3. If you are using an ST50 or ST50 V2, press F12 to enter the boot menu. If you are using an SR635 or SR655, press F11 to enter the boot menu.
4. In the boot menu, select the bootable USB storage drive you created, and then press Enter.
5. LXPM Lite should open after a few seconds.

# LXPM GUI overview

The screenshot shows the LXPM GUI for a ThinkSystem SD630 V2 server. The interface is divided into three main areas:

- Left Sidebar:** Contains navigation options: System Summary (selected), RAID Setup, OS Installation, Firmware Update, UEFI Setup, Cloning, Diagnostics, and Effortless Reset.
- Top Header:** Displays the system name 'ThinkSystem SD630 V2' and includes icons for global settings, configuration, help, and a refresh button.
- Main Content Area:** Displays the 'System Summary' and 'CPU Information' sections.

**System Summary**

Property	Value
Product Name	ThinkSystem SD630 V2
UEFI Version	1.20 U8E116K
BMC Version	1.80 TGBT30S
LXPM Version	3.11 XWL112E
Linux Driver Package	3.11 XWL212E
Windows Driver Package	3.11 XWL312E
Machine Type - Model	7D1KCTO1WW
Serial Number	J101Y63X
UUID	668DF9F0-7D31-11EC-888E-7E8AE1D6416B

**CPU Information**

Property	Value
CPU Count	2
CPU1 Name	Intel(R) Xeon(R) Gold 5318Y CPU @ 2.10GHz
CPU1 Family	Intel Xeon Processor
CPU1 Model	IceLake Processor
CPU1 Max Speed	3400 MHz
CPU1 Max Cores	24
CPU2 Name	Intel(R) Xeon(R) Gold 5318Y CPU @ 2.10GHz
CPU2 Family	Intel Xeon Processor
CPU2 Model	IceLake Processor

This is the LXPM homepage, which is divided into three areas. ►



**XClarity Provisioning Manager**

ThinkSystem SR860 V2

**RAID Setup - Select RAID Adapter**

Select a RAID adapter to view current configuration. Click Next if you want to create new virtual disk(s).

☒ Intel VROC (VMD NVMe RAID) (No virtual disks created)

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**Selected RAID controller status** [Manage Disk Drives](#)

Firmware Package Version: M5E103K-1.00 (7.0.0.2086)

Serial Number:

Disk Drives: 4

Current configuration:

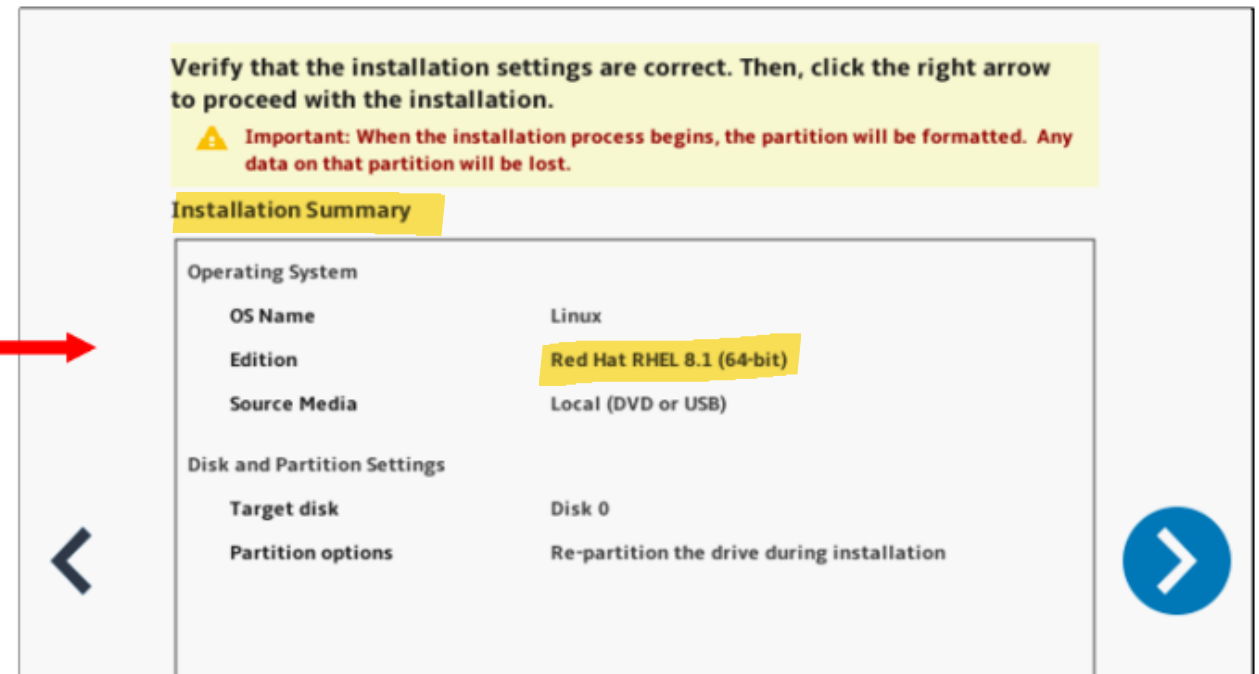
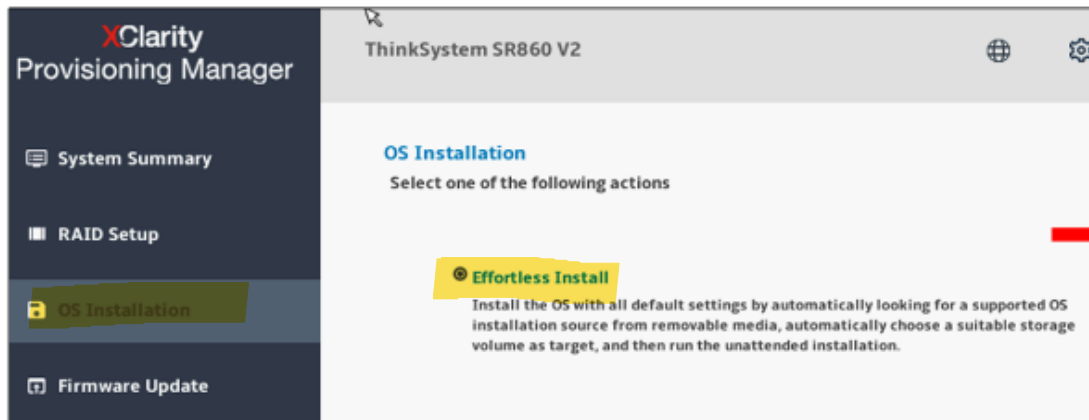
**No virtual disk exists**

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## Effortless OS installation

The version of LXPM installed on ThinkSystem V2 and later servers supports effortless OS installation. Effortless installation allows users to install the OS with default settings by automatically looking for a supported OS in a removable media on the system, automatically choosing a suitable storage volume as the OS installation target, and then running the installation process.

For complete instructions about how to use effortless installation, refer to the [LXPM User Guide](#) on the Systems Documentation website.





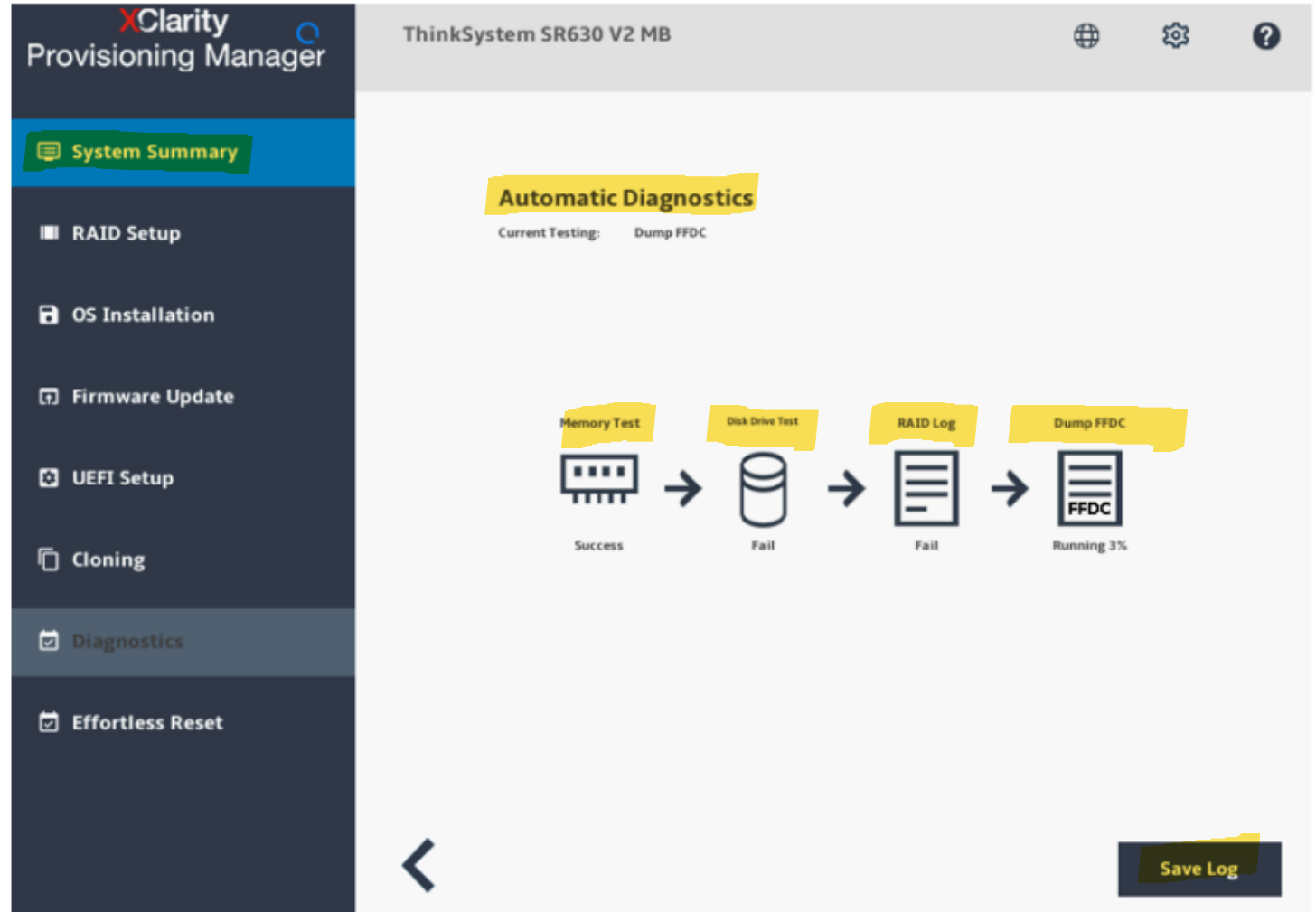
## Effortless diagnostics

The version of LXPM installed on ThinkSystem V2 and later servers supports the effortless diagnostic feature.

Effortless diagnostics allows users to simultaneously run automatic diagnostics, collect RAID/FFDC logs, and save the logs.

LXPM effortless diagnostics cannot collect OS-level logs, so it is recommended that you use OneCLI in the OS to collect complete logs for problem determination purposes.

For complete instructions about how to use effortless diagnostics, refer to the [LXPM User Guide](#) on the Systems Documentation website.



## LXPM helpful links

- LXPM User Guide:  
[https://sysmgt.lenovofiles.com/help/topic/LXPMv3/LXPM\\_user\\_guide.pdf](https://sysmgt.lenovofiles.com/help/topic/LXPMv3/LXPM_user_guide.pdf)
- LXPM documentation site:  
[https://sysmgt.lenovofiles.com/help/index.jsp?topic=%2Flxpm\\_frontend%2Flxpm\\_v3\\_about.html&cp=8\\_3](https://sysmgt.lenovofiles.com/help/index.jsp?topic=%2Flxpm_frontend%2Flxpm_v3_about.html&cp=8_3)
- Customer self support on GLOSSE – this page contains many links for ThinkSystem management tool articles and demo videos:  
[https://glosse4lenovo.lenovo.com/wiki/glosse4lenovo/view/Customer%20Self%20Support/#Lenovo%20XClarity%20Provisioning%20Manager%20\(LXPM\)](https://glosse4lenovo.lenovo.com/wiki/glosse4lenovo/view/Customer%20Self%20Support/#Lenovo%20XClarity%20Provisioning%20Manager%20(LXPM))