Lenovo XClarity Provisioning Manager

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

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

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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

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.

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LXPM GUI overview

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

Intel VROC configuration

Selected ThinkSystem V2 servers and later servers support Intel VROC, which allows users to set up RAID configuration on SAS/SATA/NVMe drives. To use Intel VROC in LXPM, users must first enable Intel VMD settings in UEFI. Click HERE to see the instructions.
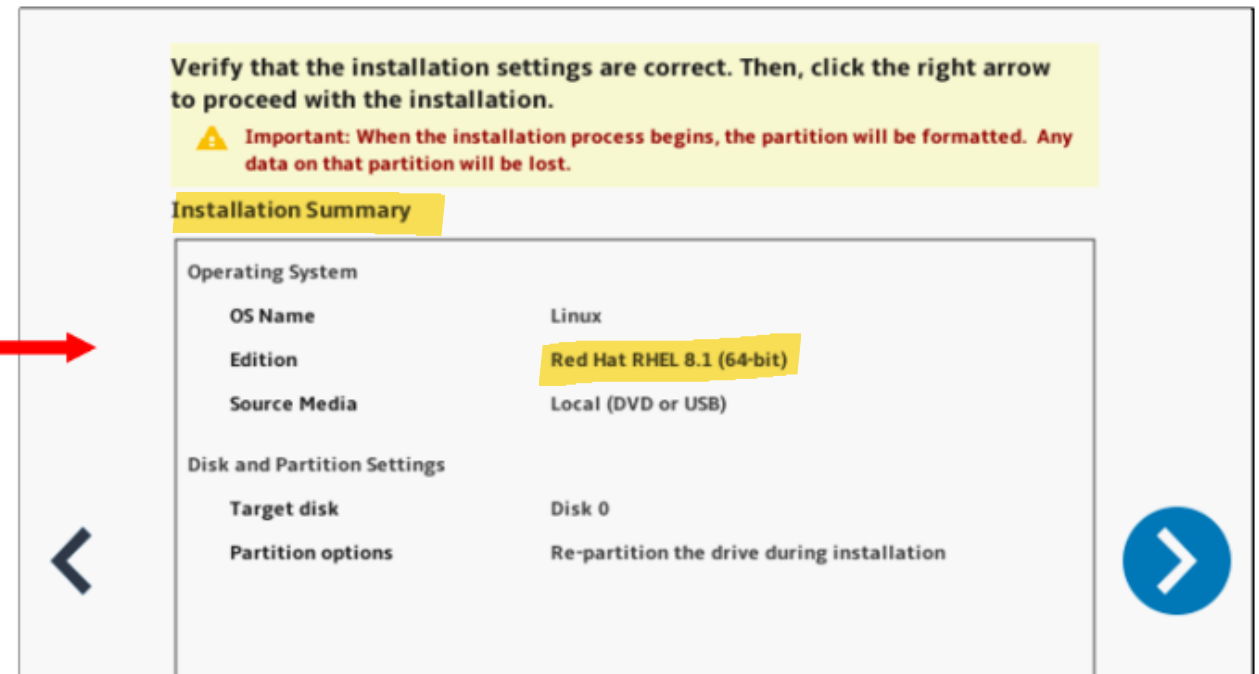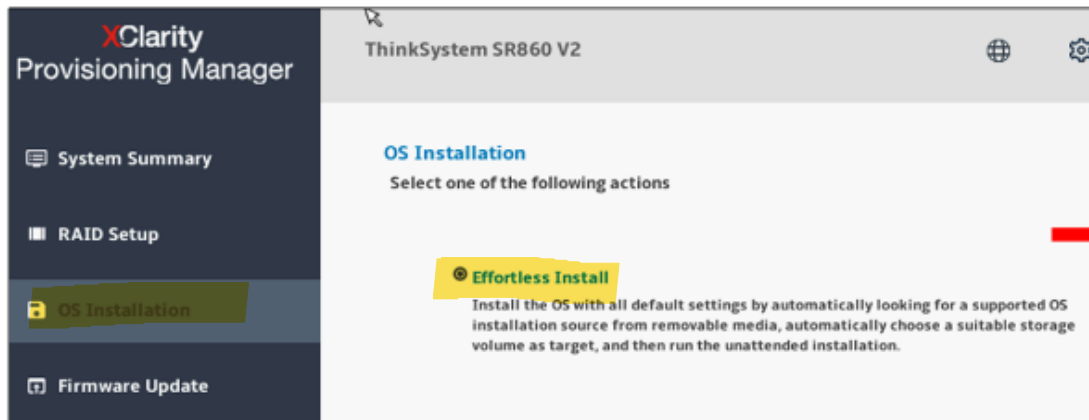
Effortless OS installation

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.
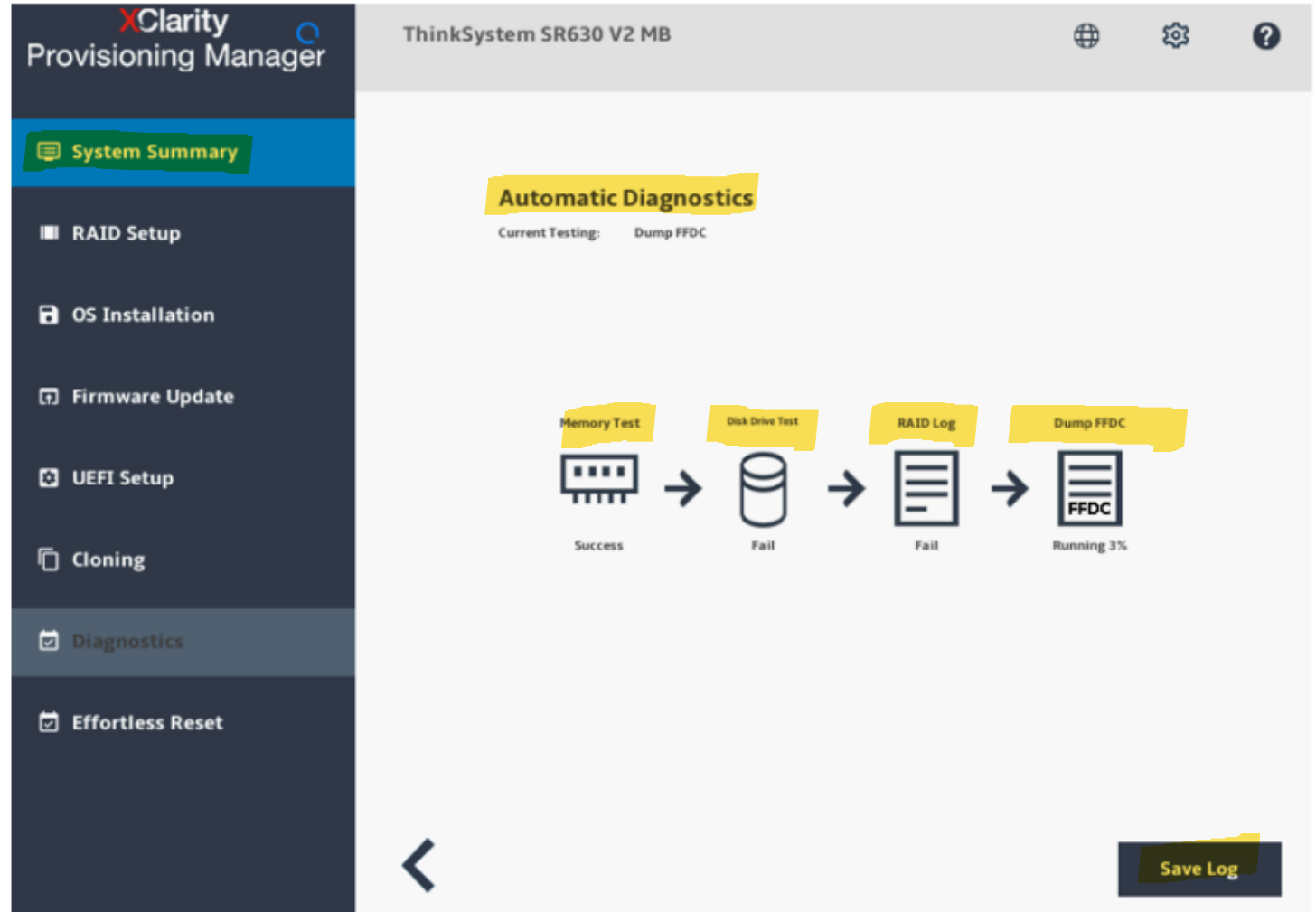
Effortless diagnostics

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.

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LXPM helpful links

- LXPM User Guide:
  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
- 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)

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