

Hardware replacement tips

Part replacement highlights

Lenovo

Replacing a firmware and RoT security module

After replacing a firmware and RoT security module (RoT module), servicers must update the UEFI, XCC, and LXPM firmware to the latest supported version before starting the system. If this does not happen, the system will not be able to recognize the correct firmware and will not start normally. As a result, the user will not be able to access the system OS.

Use one of the following methods to update the UEFI, XCC, and LXPM firmware on the system after replacing the RoT module:

- OneCLI commands
- A USB boot kit with the firmware packages
 - For more information on how to create a USB boot kit, refer to the following GLOSSE article:

[How to create USB boot kit with OneCLI for RoT replacement in the field](#)

For the complete procedures, refer to the following GLOSSE tip page:

[How to do RoT Module FW update on ThinkSystem V3 machines](#)

For more information about RoT module, refer to the following course:

[ES52374 – ThinkSystem tools for the ThinkSystem V3 platform](#)

Updating the VPD

After replacing a system board, service personnel must update the VPD. The VPD can be updated using LXPM (**System Summary → Update VPD**) or LXCE OneCLI commands.

- Updating machine type (required)

```
onecli config set SYSTEM_PROD_DATA.SysInfoProdName <m/t_model>  
[access_method]
```

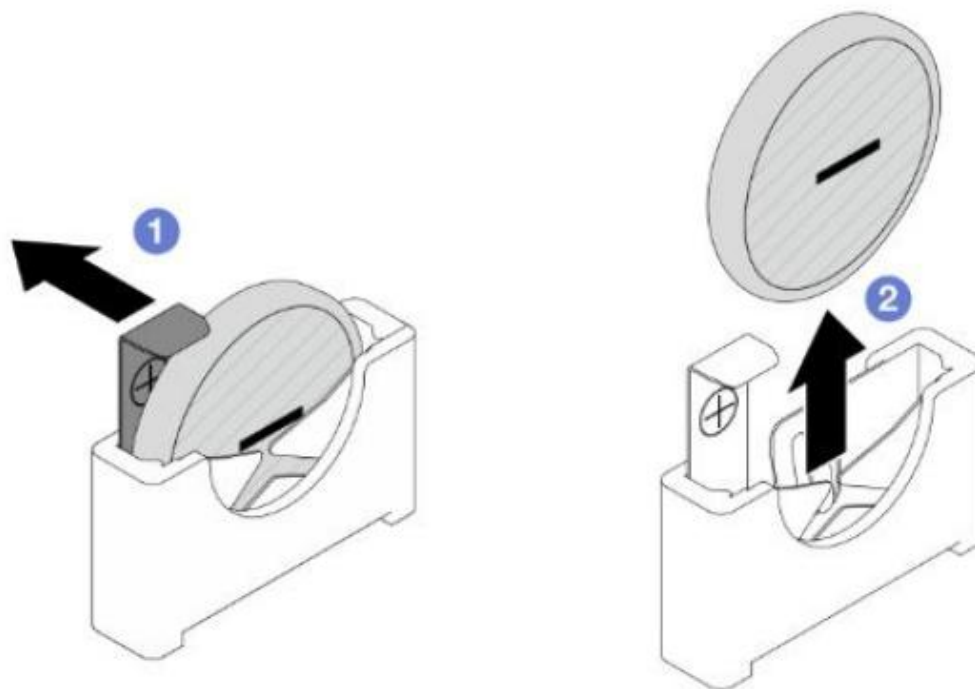
- Updating serial number (required)

```
onecli config set SYSTEM_PROD_DATA.SysInfoSerialNum <s/n>  
[access_method]
```

For more information, refer to the *XClarity Essentials OneCLI Common tasks* page of course [ES51757B Introducing ThinkSystem tools](#) or to the *Update the Vital Product Data (VPD)* section of the *ThinkSystem SD535 V3 User Guide* on [Lenovo Support](#).

Removing a CMOS battery

To remove a CMOS battery from the SD535 V3 system board, gently push the battery socket clip backward to release the CMOS battery, and carefully take the battery out of the socket.



Note: Avoid using excessive force on the CMOS battery, as it might damage the socket on the system board and result in system board replacement.

Summary

This course enabled you to:

- Describe the ThinkSystem SD535 V3 and D3 chassis, and their components
- List the SD535 V3 and D3 chassis specifications
- Describe the SD535 V3 and D3 chassis configurations and block diagrams
- Describe the SD535 V3 and D3 chassis management tools
- Describe the problem determination steps and explain how to troubleshoot issues with the SD535 V3 and D3 chassis