

# 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 the machine type (required)

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

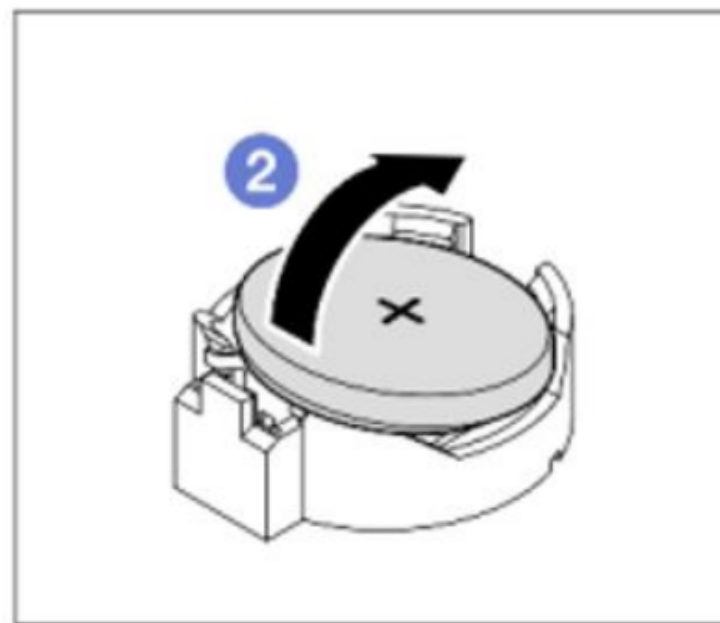
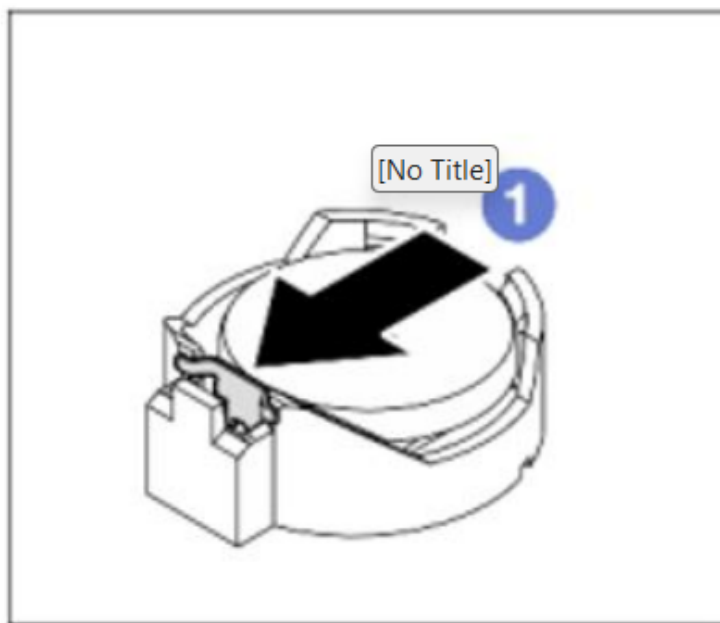
- Updating the serial number (required)

```
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 ST50 V3 User Guide* on [Lenovo Docs](#).

## Removing a CMOS battery

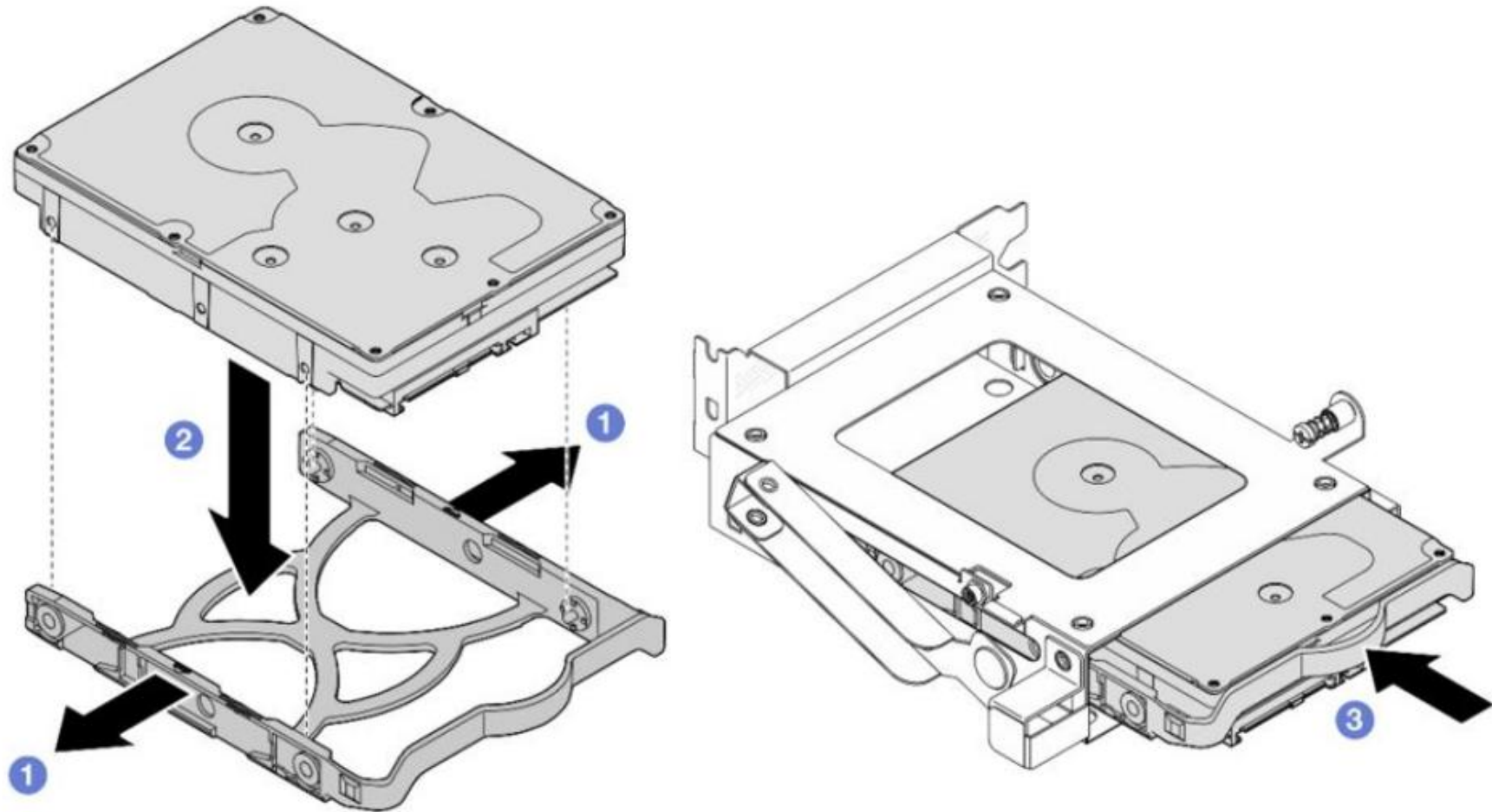
To remove a CMOS battery from the ST50 V3 system board, gently push the battery socket clip in the direction as shown to release the CMOS battery, and then carefully tilt and lift the battery out of the socket.



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

## Installing a drive in drive bay 3

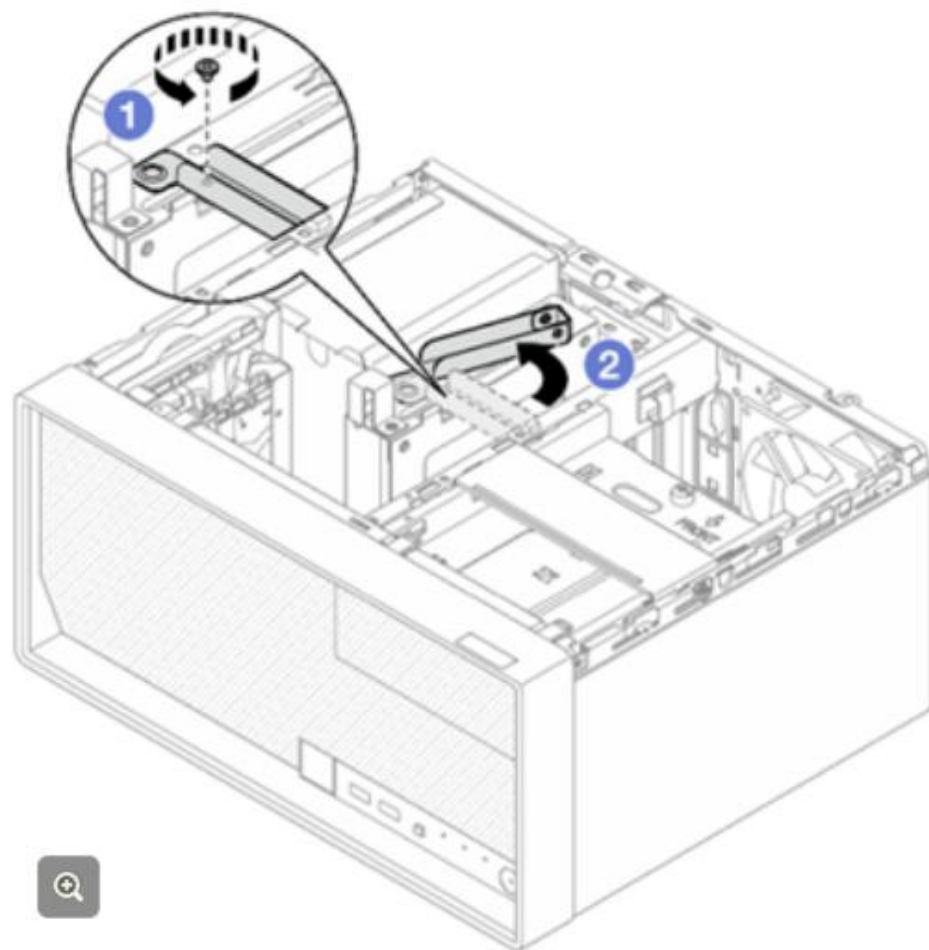
When installing a simple-swap drive in drive bay 3, make sure the drive connectors face the retainer handles.





## Removing a drive cage from drive bay 3

When removing the drive cage from drive bay 3, note that the screw that secures the latch to the cage bar needs to be loosened.



# Summary

This course enabled you to:

- Describe the ThinkSystem ST50 V3 features and specifications
- Describe the ST50 V3 configurations
- Describe the ST50 V3 management tools
- Describe the problem determination steps and explain how to troubleshoot issues with the ST50 V3