Add on pages for ThinkSystem V3 tools course

Impact on PD and FRU Replacement

Identifying a failed SD card

The ThinkSystem V3 platform supports an optional SD card (Micro SD format) installed on the system I/O board to provide additional storage for the XCC2 controller. The main purposes of the SD card for XCC2 are:

- 1. Firmware rollback to the previously saved bundle
- 2. Expansion of Remote Disc on Card (RDOC) space to 4 G

As the Micro SD card cannot be seen in the XCC inventory, servicers should look for the following two conditions to identify a failed SD card:

- 1. The backup firmware bundle or configuration cannot be read
- 2. Files larger than 50 MB cannot be uploaded through RDOC (the default space of RDOC is 50 MB, but it can be extended to 4 G with an SD card)

Note: When replacing a Micro SD card, the firmware historical data and user data uploaded through RDOC will be lost.

Use XCC to roll back firmware versions when the card is not installed.

After a new Micro SD card has been installed, subsequent firmware update history records will be saved to the new card.



System board replacement actions

A summary of field service actions

| Board (BD) | Code/Configuration | Action |
|--------------------------|-----------------------------------|---|
| System BD (Processor BD) | VPD | Update VPD after a board replacement |
| System BD (Processor BD) | FPGA | No action: XCC will automatically check the FPGA on reboot |
| I/O board | No configuration or code on board | If an SD card is installed, move it to the new board |
| Firmware RoT module | UEFI/XCC firmware | Board replacement requires flashing of XCC and UEFI |
| Firmware RoT module | UEFI/XCC configuration | Board replacement requires an XCC and UEFI configuration update – use the customer's backup or the add/change option in OneCLI scripts or XCC and F1 settings |



Examples of NVMe drive inventory in XCC2. Click the buttons to see the screen captures.

Inventory device

Storage details

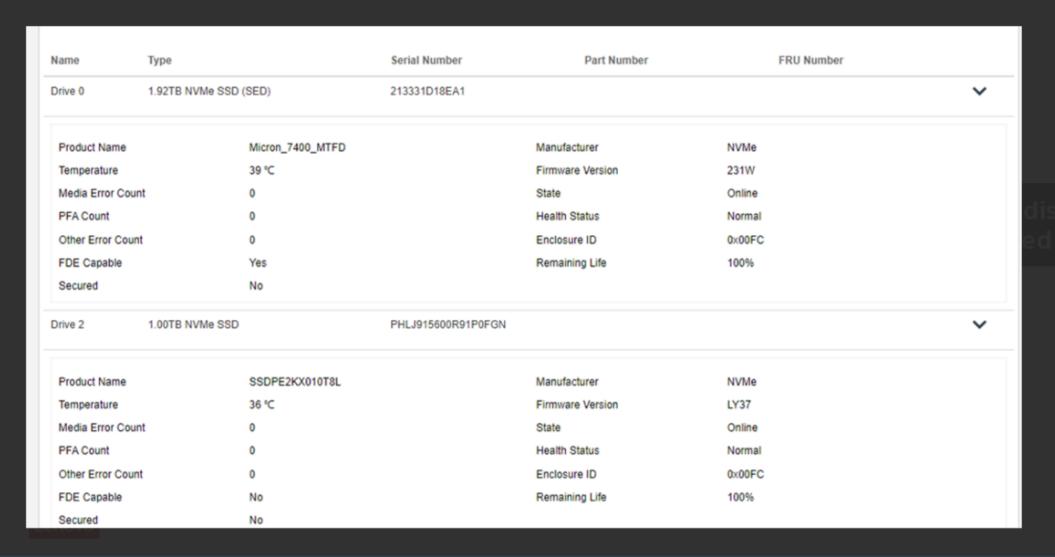
Creating a virtual disk

Virtual disk created



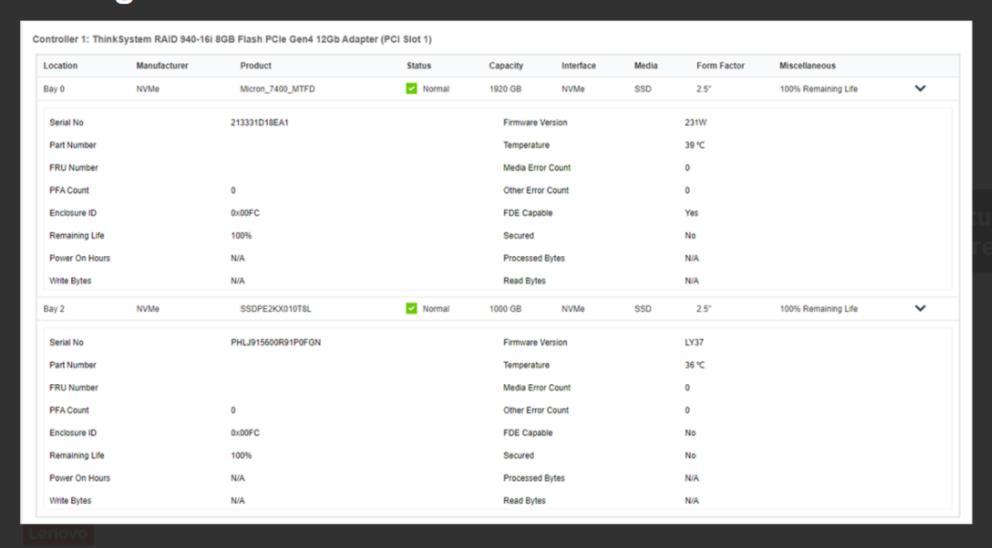
Inventory device eventory in XCC2. Click the buttons to see the screen captures





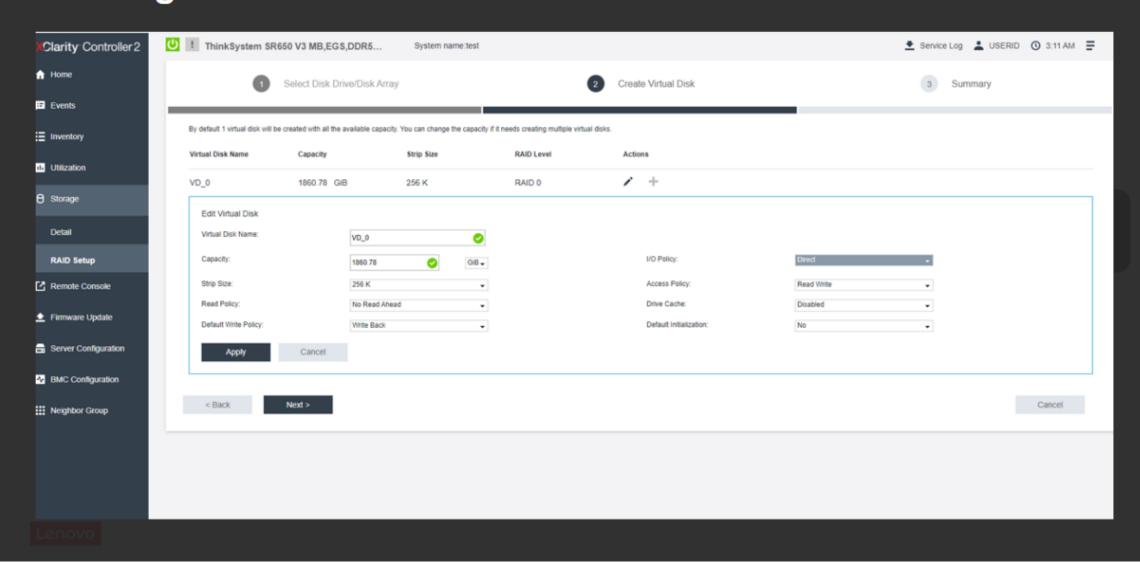
Storage details inventory in XCC2. Click the buttons to see the screen captures





Creating a virtual disk in XCC2. Click the buttons to see the screen captures





Virtual disk created tory in XCC2. Click the buttons to see the screen captures



