

Configuring PCIe SSD as bootable device

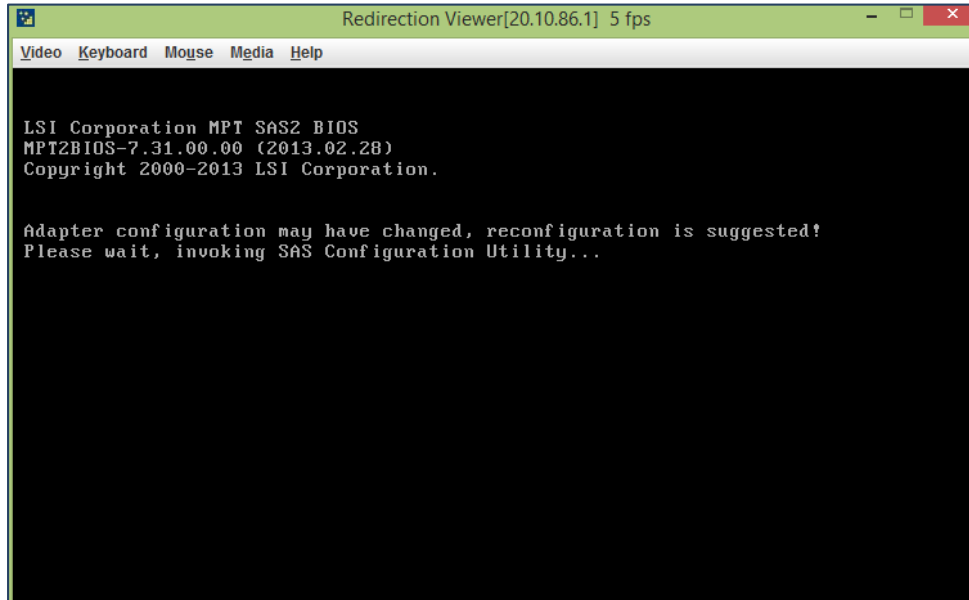
SATA is the bus interface to an HDD or SSD to the rest of the computer. The SATA-based interface limits the capacity of the bus that transfers data from the SSDs to the processor.

In the PCIe SSD technology, the SSDs have been developed for the high-speed PCIe bus interface. The major advantage of using this technology is increased performance as the drives utilize the CPU memory.

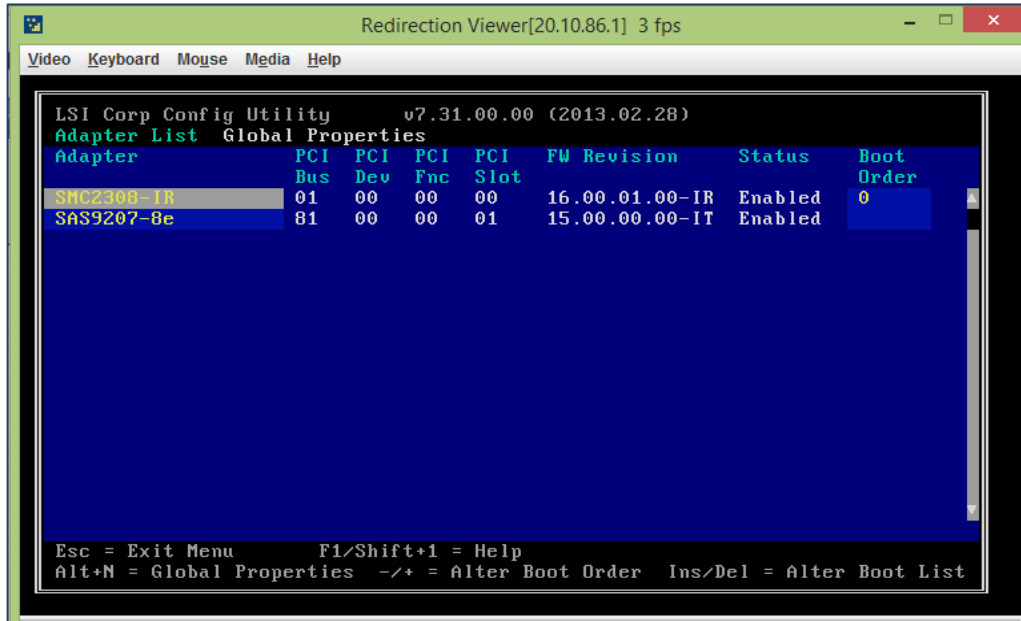
The document details the procedures to configure a PCIe SSD adapter as a bootable device on an ElastiStor Node.

Procedures

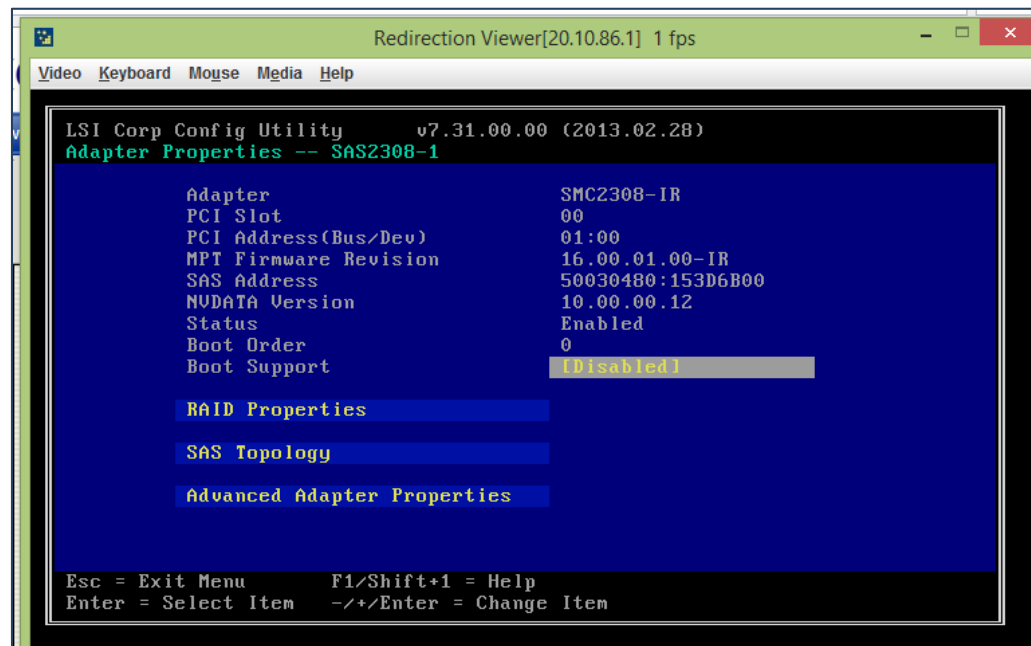
1. Power on CloudByte ElastiStor Appliance.
2. Wait for the LSI Corporation MPT SAS2 BIOS screen during boot up.
3. Press Ctrl + C to invoke the SAS Configuration Utility.



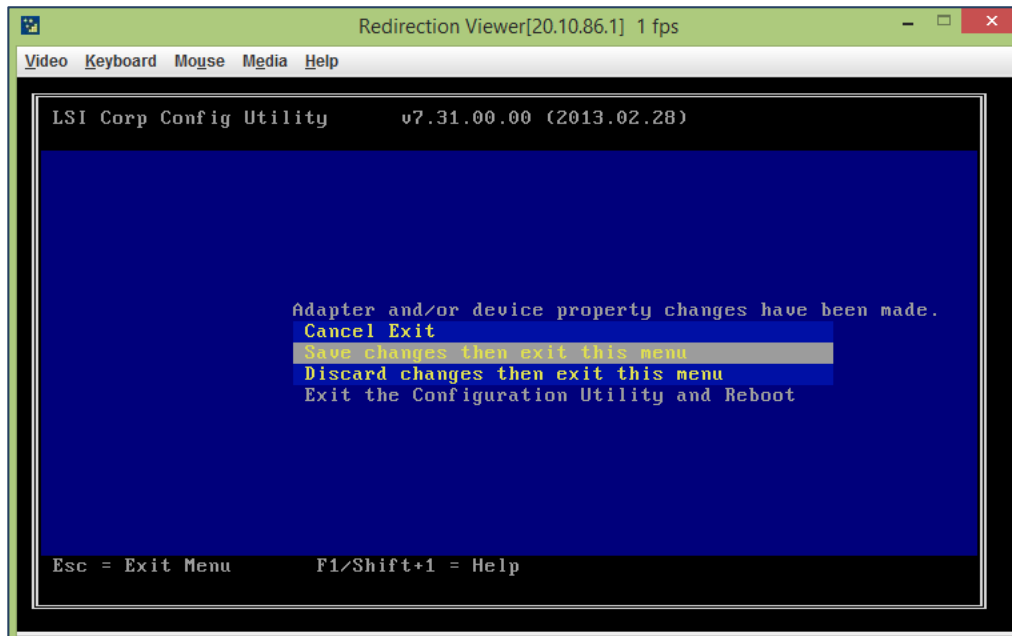
4. Select the PCIe SSD adapter on which you install the Operating System and then press Enter.



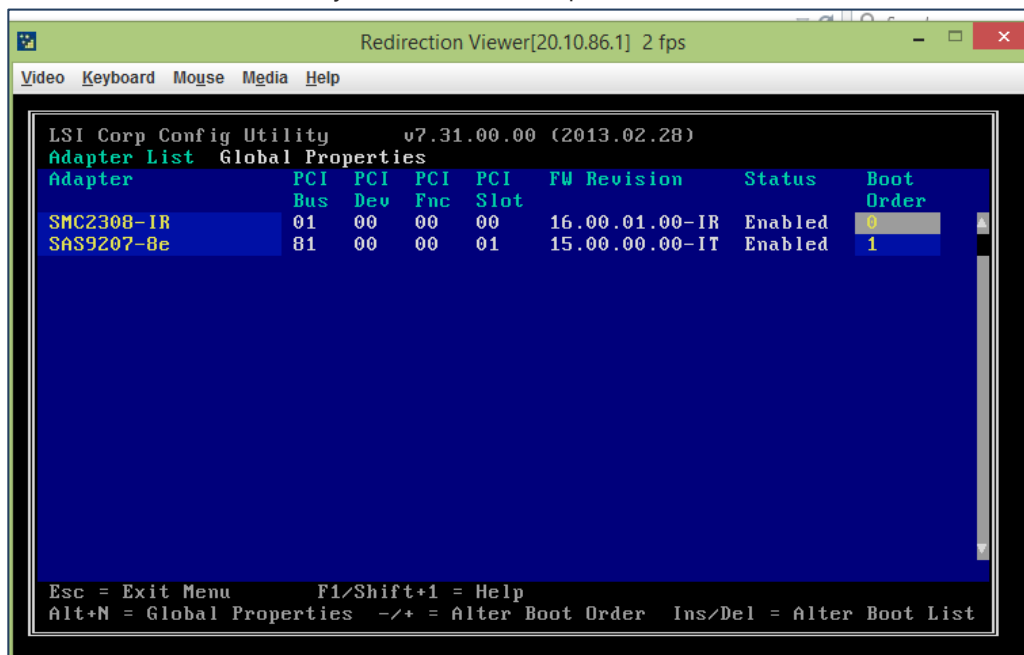
5. Use the + and – keys and set Boot Support to Disable.



- Press the ESC key and then select Save changes then exit this menu.



- For the other adapter on the Node, repeat step 2 to step 6.
 - Press the Escape key and then select Exit the Configuration Utility and Reboot. This reboots the Node.
 - For both the adapters on the Node, repeat Step 2 to step 6.
- Note:** In step 5, set Boot Support to Enable BIOS & OS.
- Press the Escape key and then select Exit the Configuration Utility and Reboot. This reboots the Node.
 - Wait for the LSI Corporation MPT SAS2 BIOS during boot up.
 - Press Ctrl + C to invoke the SAS Configuration Utility.
 - Navigate to Boot Order.
 - Press the Insert or Delete key until both the Adapters have numbers.



- Use the + and - key and set the boot priority for the adapters as follows:

- PCIe SSD adapter: 0
 - Other adapter: 1
16. Press the Escape key and then select Save changes then exit this menu.
 17. Reboot the Node.

The PCIe SSD adapter is now a bootable device in the Node.