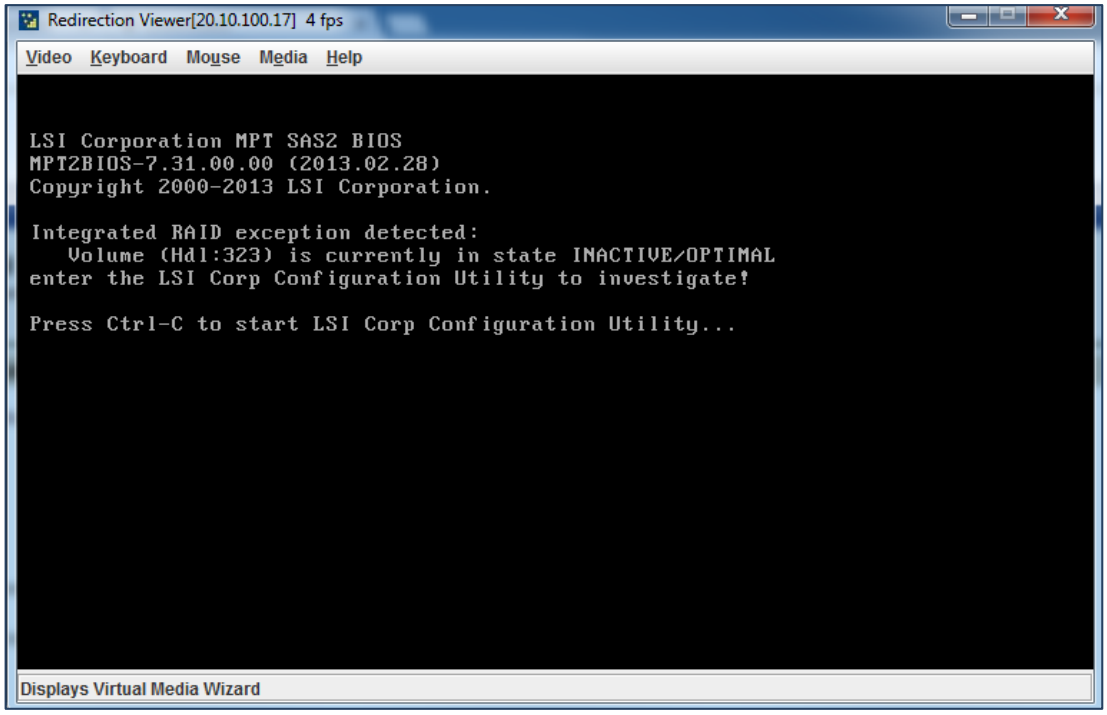
Configuring RAID of the OS disk

The document details the procedures to configure a RAID 1 of the OS disk on CloudByte ElastiStor Appliance (ESA). The RAID configuration for both the Nodes in an ESA makes use of the front-end disks in a JBOD.

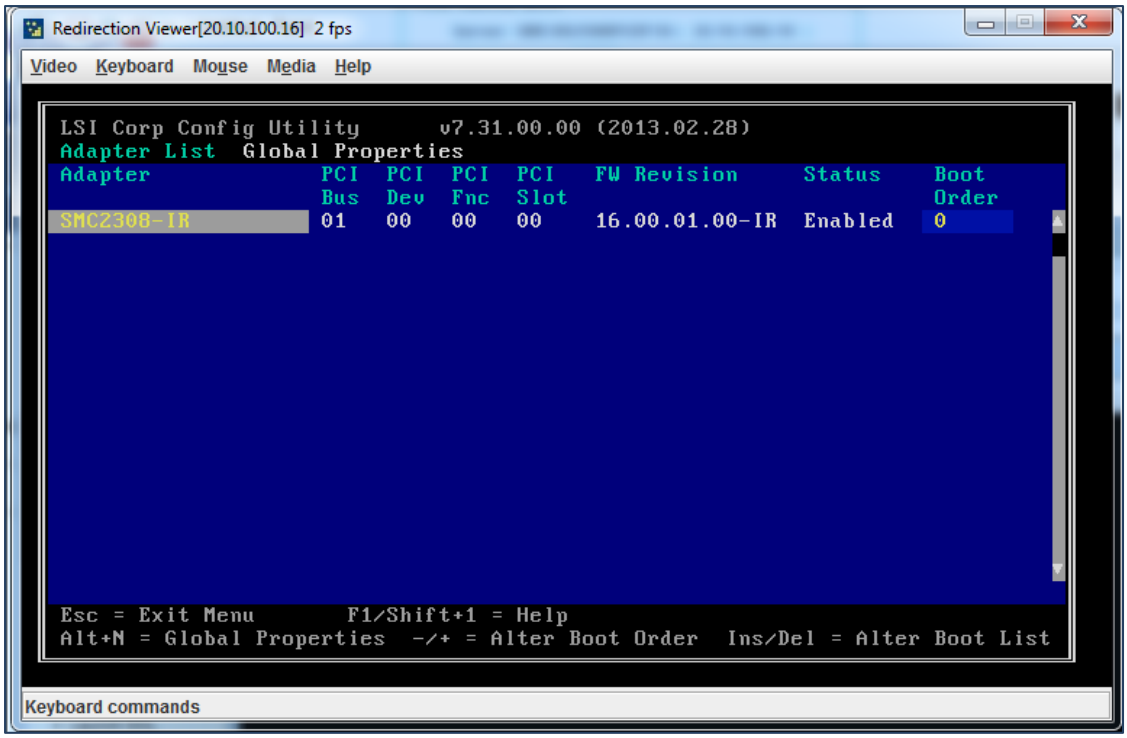
In the case of OS corruption, you can easily recover the OS without any data loss.

Procedures

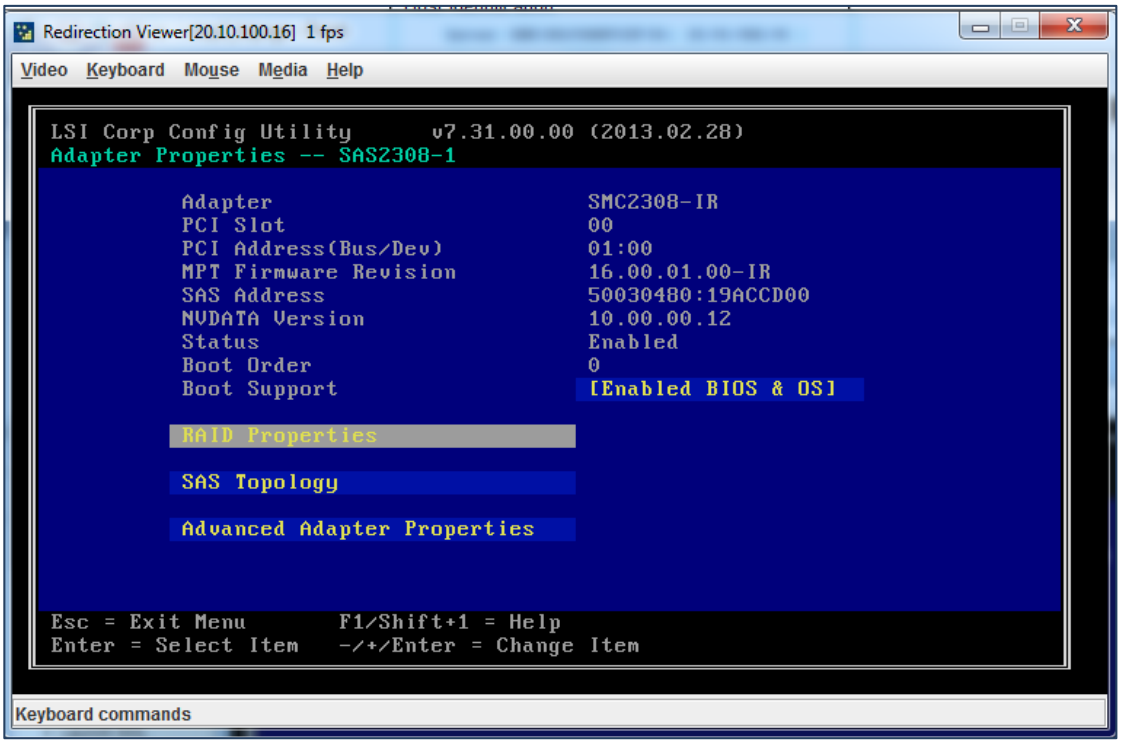
1. Power on ESA.
2. Wait for the LSI Corporation MPT SAS2 BIOS screen during boot up.
3. Press Ctrl+C to invoke the SAS Configuration Utility.



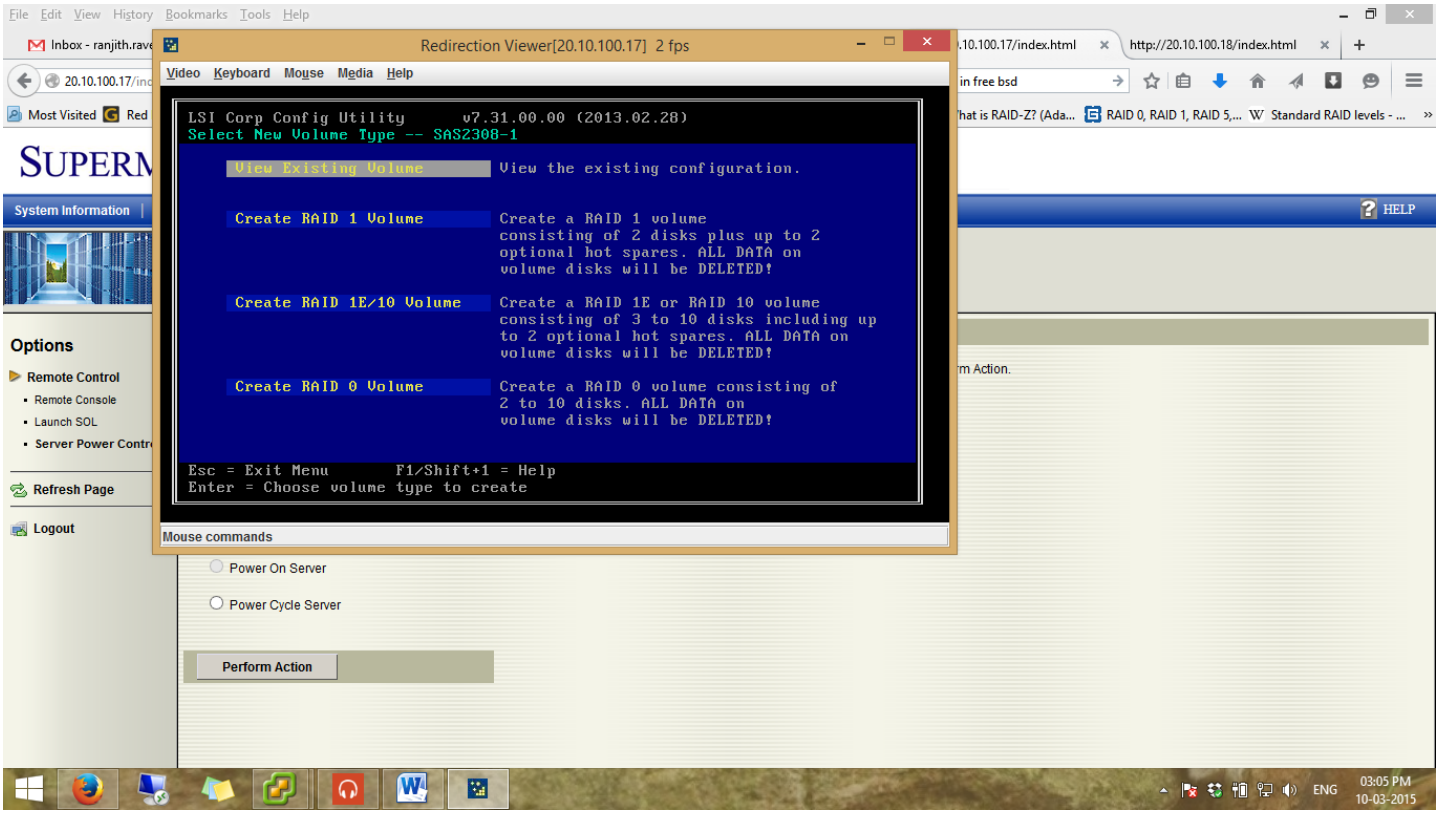
4. Select the adapter on which you install the OS and then press Enter.



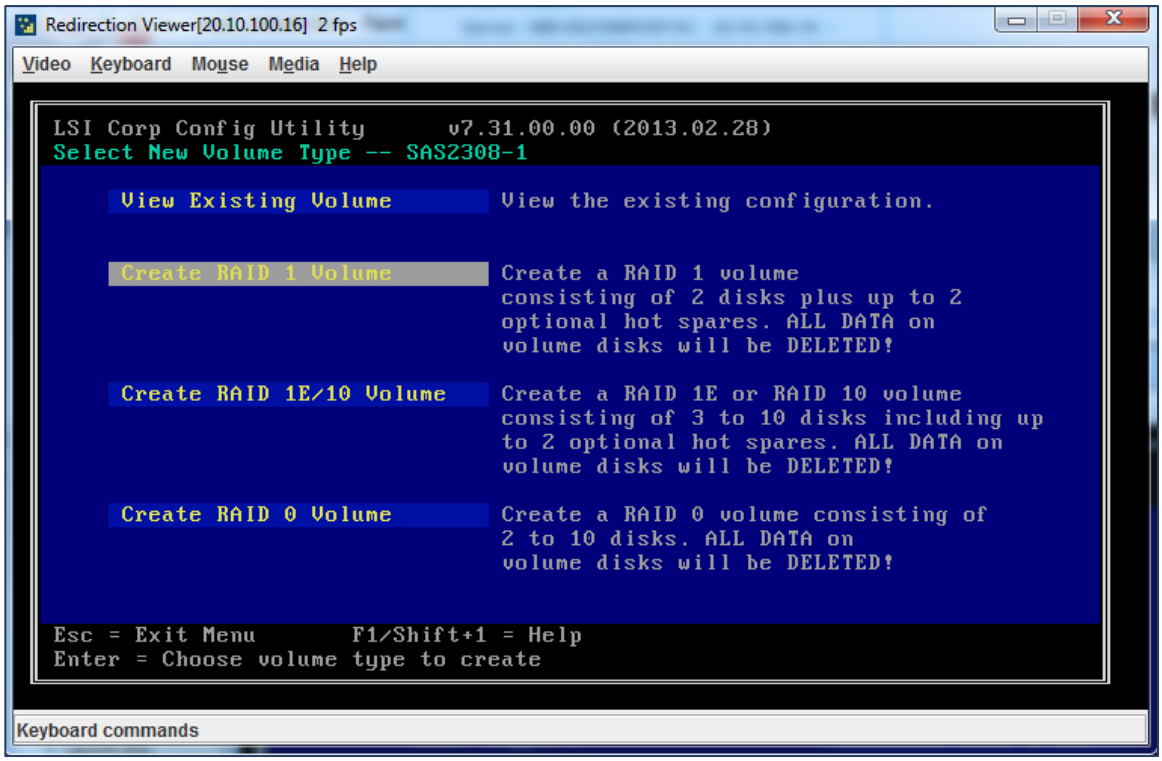
5. Use the up or down arrow key and navigate to RAID properties and then press Enter.



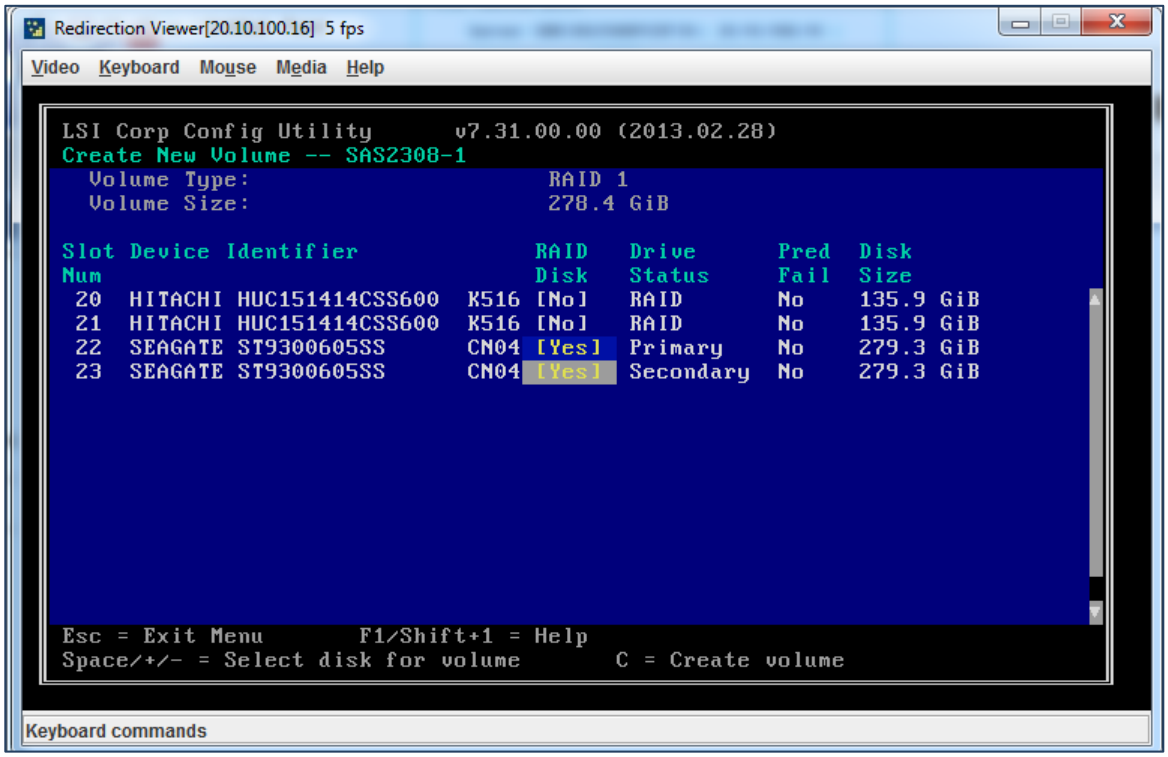
6. Use the up or down arrow key and navigate to View Existing Volume and then press Enter. This shows the existing RAID Volumes.



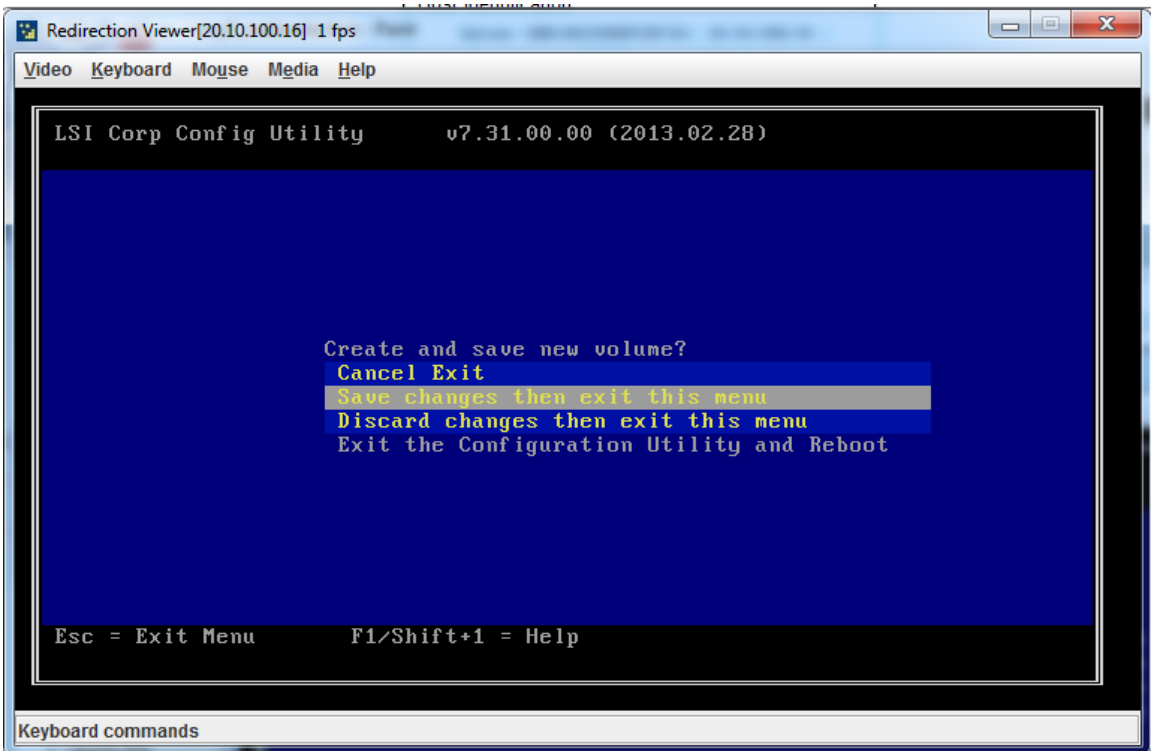
7. If there exists a RAID Volume, navigate to Manage Volume and then press Enter.
8. Navigate to Delete Volume and then press Enter.
9. Press the Escape key.
10. Select Save Changes then exit this menu and then press Enter.
11. Repeat step 4 and step 5.
12. Use the up or down arrow key and navigate to Create RAID 1 Volume and then press Enter.



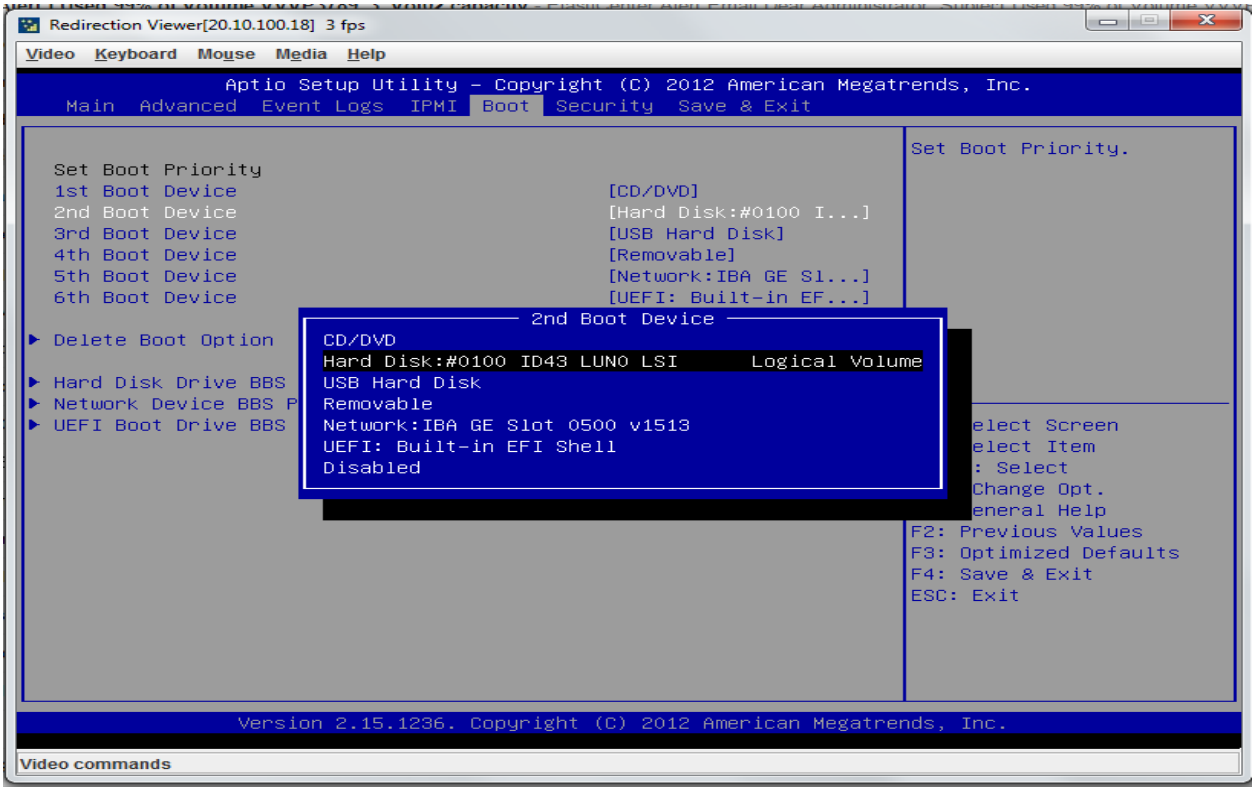
13. Select the disks for configuring RAID and set them to YES using the + and – keys.
    Note: The disk that you first set to YES is the primary drive on the RAID Volume. You cannot change the drive status once you set the values.
14. Press C to Create RAID Volume.



15. Select Save Changes then exit this menu.



16. Press the Delete key to enter BIOS.
17. Using the right arrow key and navigate to Boot tab.
18. Select the RAID volume (that you created in step 14) and then set the volume as Boot Priority using the + or - key.
19. Select RAID Volume and then press Enter. Ensure that the Volume is a Logical Volume.



20. Press the F4 key to save and exit the settings.

CloudByte Inc., 20863 Stevens Creek Blvd, Suite 530, Cupertino, CA 95014, USA
Call: 1-(408)-604-9401 | email: engage@cloudbye.com | www.cloudbyte.com