204.2 - Adjusting Storage Device Access

Weight: 2

Description: Candidates should be able to configure kernel options to support various drives. This objective includes software tools to view & modify hard disk settings including iSCSI devices.

Key Knowledge Areas:

- Tools and utilities to configure DMA for IDE devices including ATAPI and SATA
- Tools and utilities to configure Solid State Drives including AHCI and NVMe
- Tools and utilities to manipulate or analyse system resources (e.g. interrupts)
- Awareness of sdparm command and its uses
- Tools and utilities for iSCSI
- Awareness of SAN, including relevant protocols (AoE, FCoE)

Terms and Utilities:

- hdparm, sdparm
- nvme
- tune2fs
- fstrim
- sysctl
- /dev/hd*, /dev/sd*, /dev/nvme*
- iscsiadm, scsi_id, iscsid and iscsid.conf
- WWID, WWN, LUN numbers