203.2 - Maintaining a Linux filesystem

Weight: 3

Description: Candidates should be able to properly maintain a Linux filesystem using system utilities. This objective includes manipulating standard filesystems and monitoring SMART devices.

Key Knowledge Areas:

- Tools and utilities to manipulate and ext2, ext3 and ext4
- Tools and utilities to perform basic Btrfs operations, including subvolumes and snapshots
- Tools and utilities to manipulate XFS
- Awareness of ZFS

Terms and Utilities:

- mkfs (mkfs.*)
- mkswap
- fsck (fsck.*)
- tune2fs, dumpe2fs and debugfs
- btrfs, btrfs-convert
- xfs_info, xfs_check, xfs_repair, xfsdump and xfsrestore
- smartd, smartctl

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