

# 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