

# Filesystems in NASes

Filesystem damage is mostly associated with operator errors:

- Formatting a wrong volume
- Deleting a bunch of files

Filesystems in NASes come from Linux:

- XFS
- EXT family

EXT filesystem	Uses log (journal)?	Uses extents?
EXT2	No	No
EXT3	Yes	No
EXT4	Yes	Yes

# Filesystems in NASes

## XFS filesystem

- usually recovered well
- original file names are *sometimes* not recovered

## EXT filesystem

- EXT2 is recovered well, but no longer used
- EXT3 requires special algorithms
- EXT4 – raw scan only

original file names are *almost never* recovered