

Data Storage Technologies

Module introduction

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1 Topics covered

1. **Basic storage devices:** magnetic disks, flash
2. **Direct attached storage:** RAID, Partitioning, LVM
3. **Storage Area Networks:** Principles, FC SAN, IP SAN
4. **Network-Attached Storage:** SMB, NFS
5. **Replication**
6. **Backup**

2 Assessment

Course work (60%): Weekly labs (20%): Moodle Quiz to be done each week (asynchronous)

Project (40%): end-of-module project assignment

Final exam (40%): scheduling and format to be confirmed

3 Operational matters

Materials all available from the Git repository (link on Moodle).

Notes will be in the git repository as PDF.

- There is no online HTML version for this module.

Recordings of each class (some exceptions):

- Recordings will be on HEANet media server after class.
- Link will be placed in the Git repository.
- Will notify by e-mail when up.

Remote access will be needed for some exercises via Ericom to lab.