User Directories

Directories:

- **AFS-home**

  (failed to increase quota)

- **lustre**

  (performance for many small files?, reliability?)

- **AFS-scratch**

  (not used by CMS NAF users, dirs have to be created manually)

Use case:

typical work dirs used for:

- **software development O(100s MB)**

  CMSSW_2_2_13 with PATv2 (207 MB):

  ```
  AFS home    : scram b -j 4  2123.00s user 230.94s system 382% cpu 10:15.41 total
  lustre      : scram b -j 4  2124.53s user 233.01s system 305% cpu 12:52.88 total
  AFS scratch: scram b -j 4  2133.48s user 229.66s system 387% cpu 10:09.06 total
  ```

- **job submission (many log files, maybe ROOT output files)**