EuroStore
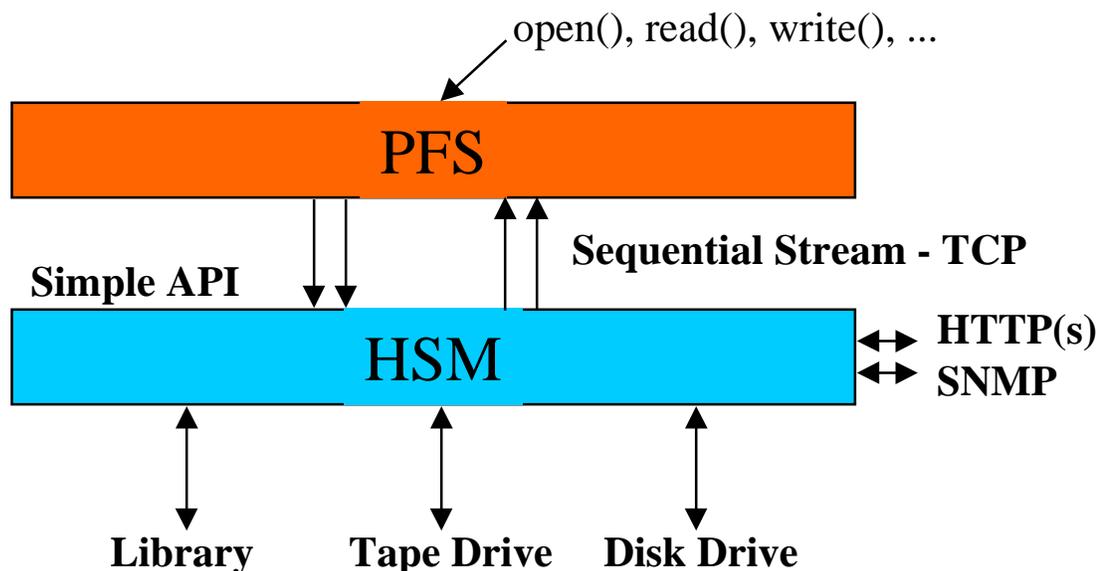
- ESPRIT Project (EU - DG III)
  - High performance Storage Environment
  - started March 1st for 2 years

- 4 Full & 3 Associate Partners
  - QSW(Dev.), DESY(Dev.), CERN, HCSA
  - STAR, HNMS, AMC

- Components
  - Parallel Filesystem (PFS)
    - Migration, RAID-5
  - HSM
    - Hierarchy, Seq./Net Access

open(), read(), write(), ...

PFS

Sequential Stream - TCP

Simple API

HSM

HTTP(s)

SNMP

Library   **Tape Drive**   **Disk Drive**

Highlights

- PFS
  - RAID-5 - Fault Tolerant
  - Parallel Transfers
  - UNIX/VFS interface
  - Simple User Access - std. UNIX - I/O
- HSM
  - JAVA based
  - Secure/Fault Tolerant Message Passing
    - asynchronous
  - Network centric - Scalable
  - HTTP(S)/ssh for administration
  - SNMP for management
  - prioritized PVL
  - virtual library partitioning
  - no parallel tape access