

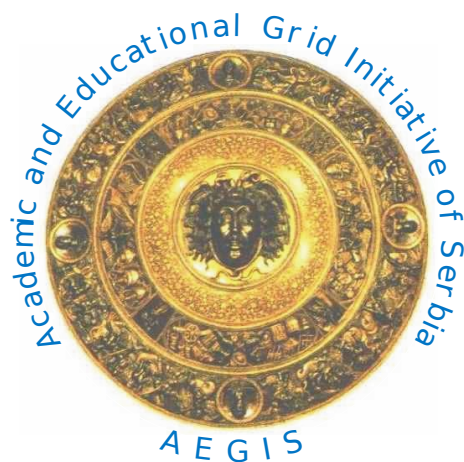


Enabling Grids for E-science

Capabilities of the gLite Services

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SEE-GRID-SCI
SEE-GRID eInfrastructure for regional eScience



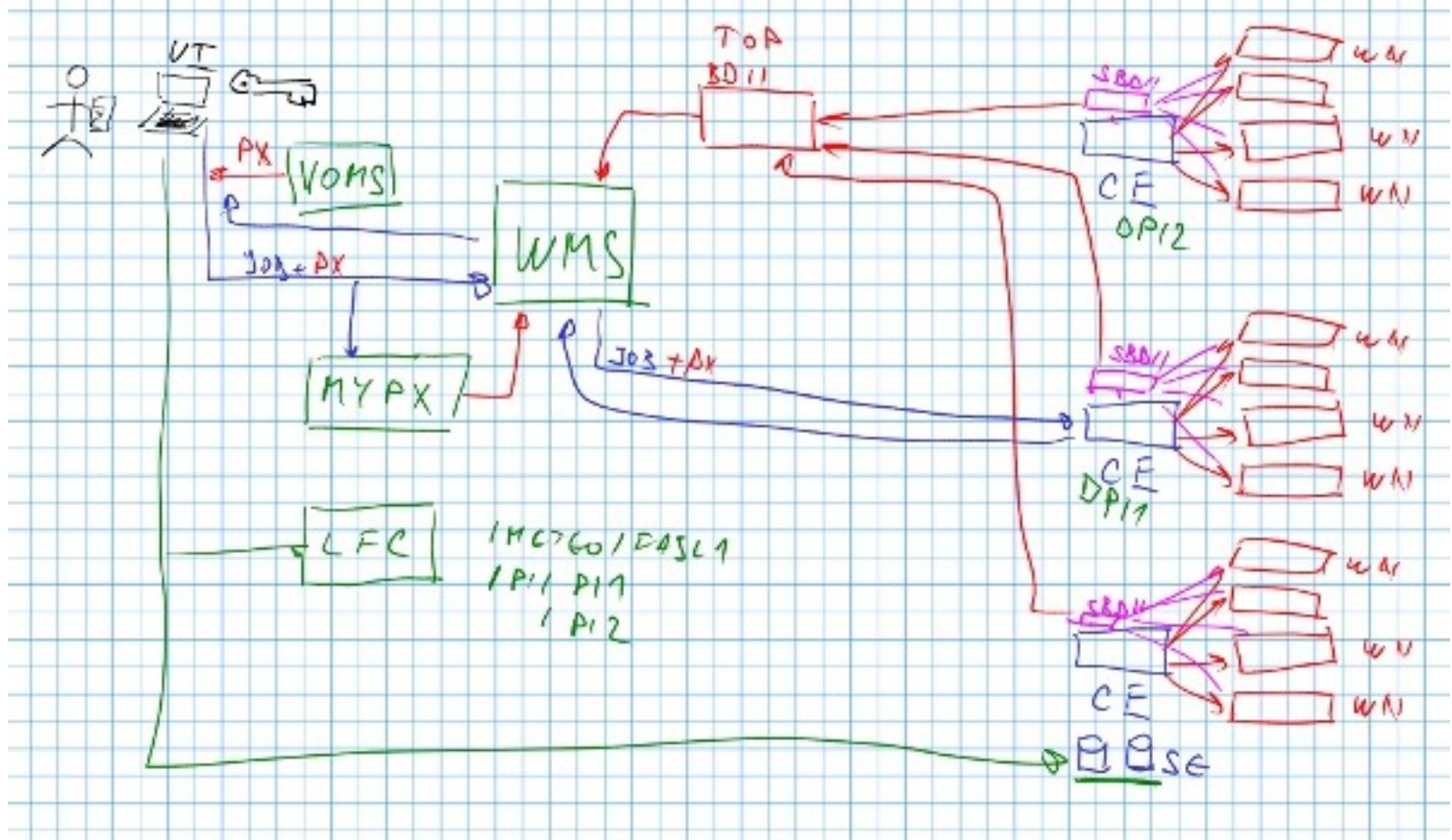
Information Society



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- User Interface (UI)
- Worker Nodes (WN)
- Computing Element (CE)
- Storage Element
- Site Berkely Database Information Index (sBDII)
- Berkely Database Information Index (BDII)
- Workload Management System (WMS)
- Logging and Bookkeeping Service
- Virtual Organization Membership Service (VOMS)
- MyProxy service (PX)
- Logical File Catalog (LFC)



- Any Linux desktop/laptop
- Best suite for RedHat based distributions
- Small CPU load

- CPU performance
- RAM
- Interconnection for Parallel computing
- Best suite for RedHat based distributions

- Head node for WN-s (BATCH server)
- Huge CPU load

- SE server node
mysql (or oracle) database
small CPU load

- SE client (disk server)
huge disk space
small CPU load

- Local Information system
- Idap based
- Small CPU load

- Top level BDII
- Idap based
- Huge CPU load
- Huge network load

- Workload Management System
- Logging and Bookkeeping Service

- Manage jobs
 - Huge CPU load
 - Huge disk load
 - Huge network load

- Virtual Organization Membership Service
- Mysql based

- Small CPU load
- Small disk load

- Extended proxy
- Small CPU load
- Small Disk load

- Logical File Catalog
- Mysql based

- Small CPU load
- Small disk load
- Small network load