

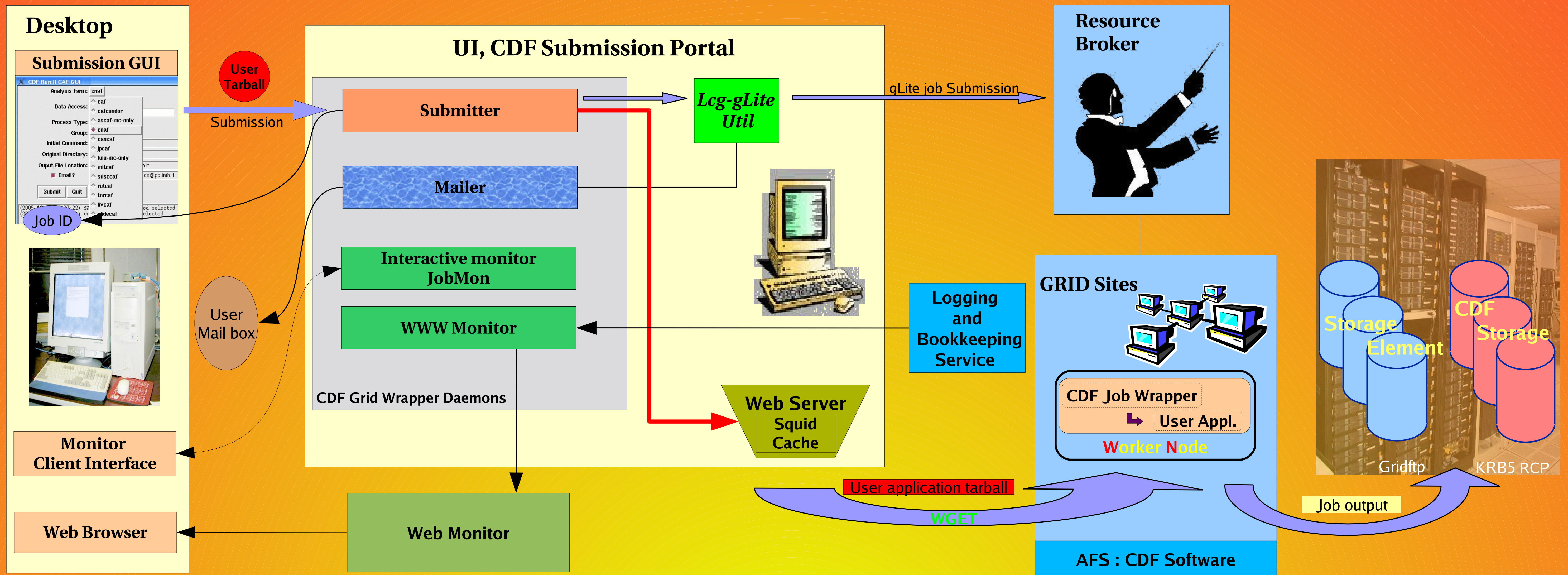


LCGCAF - THE CDF PORTAL TO THE GLITE MIDDLEWARE

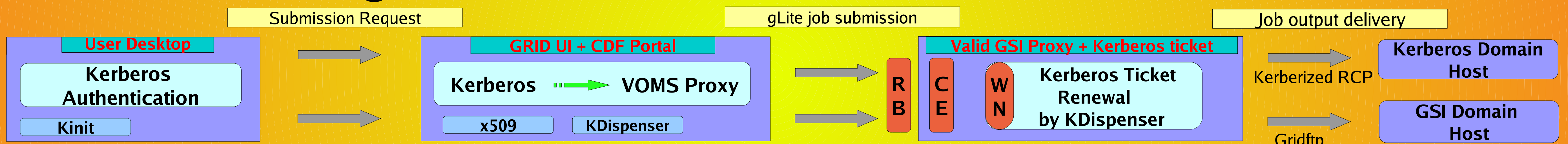
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LcgCAF

LcgCaf is a complete rewrite of the CDF Analysis Farm (CAF) software based on a LCG/gLite GRID middleware



Authentication Management



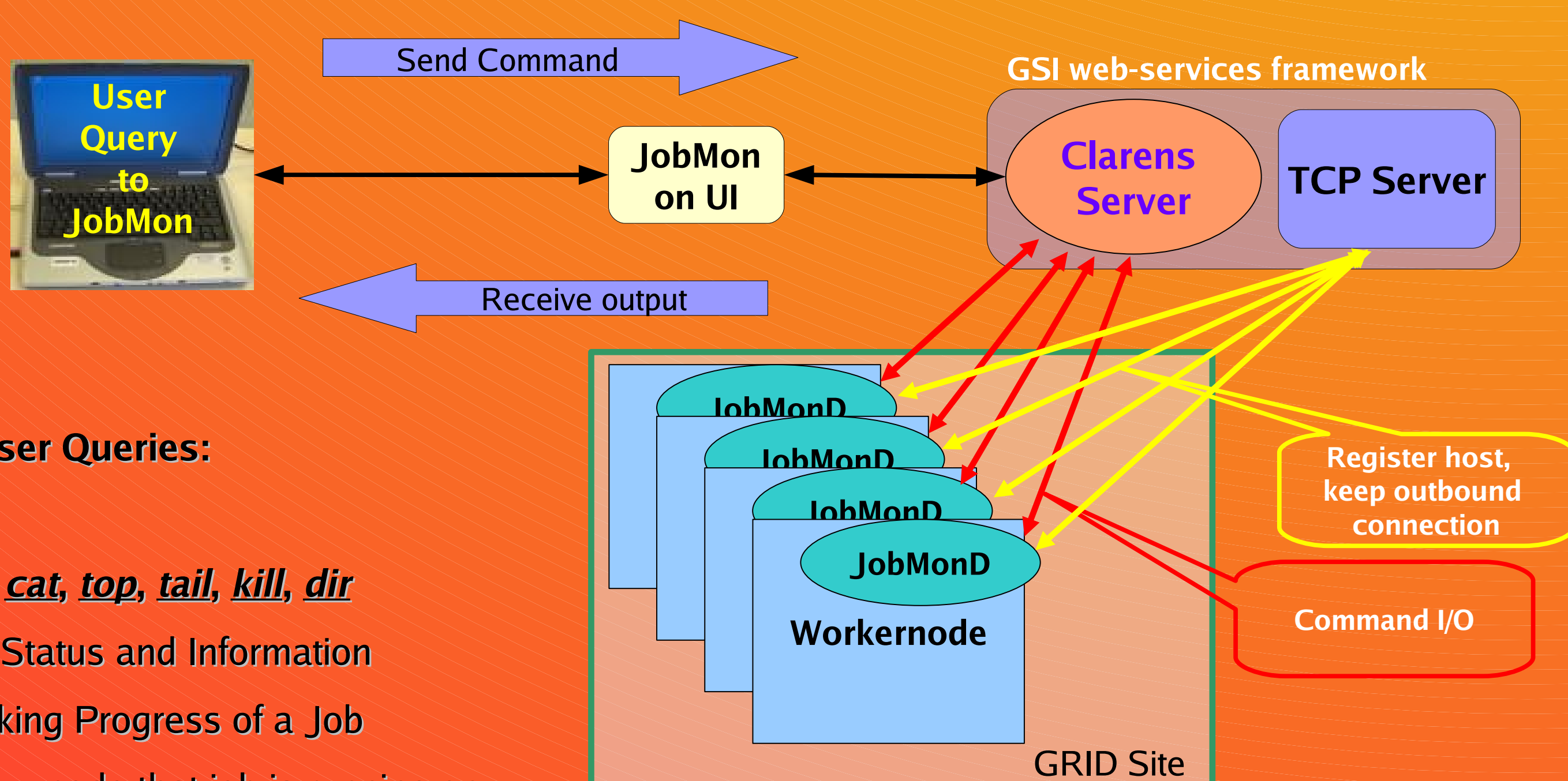
The CDF Authentication and Security system is managed by Kerberos. Available until the end of 2006

Monitoring: Web and Interactive

The information are retrieved from the Logging and Bookkeeping Server



JobMon distributed system. Officially supported by OSG, based on the Clarens server framework



CafMon User Queries:

- ps, head, cat, top, tail, kill, dir jobs:** Job Status and Information
- log:** Checking Progress of a Job
- node:** Show node that job is running on

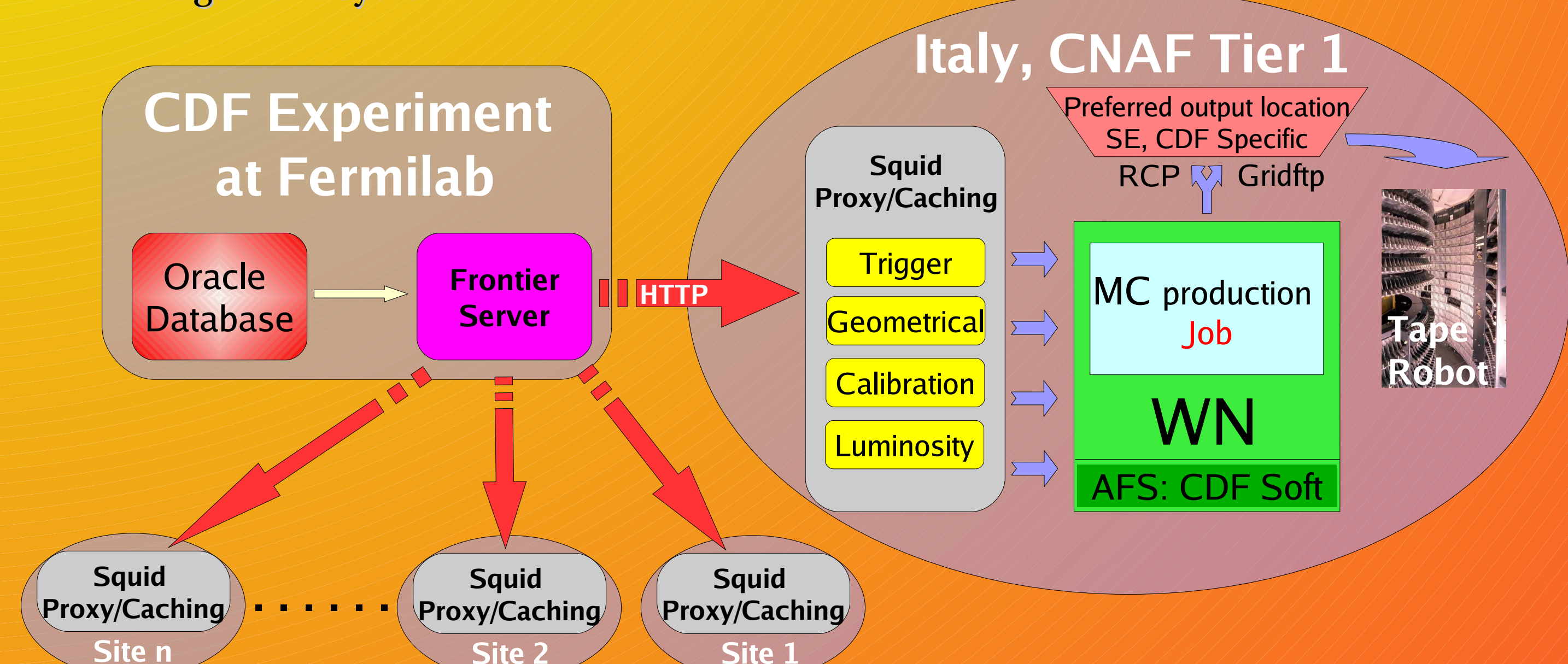
MC Production

Event Generation:

- Herwig MC, a total of 2M events requiring 240GB storage
- CNAF Tier1 and Padova Tier2 sites used
- Output copied to CDF Storage Element (SE)
- Job type: DAG, using Padova Workload Management System

Requirements:

- gLite 1.4.1 with CDF specific patches
- CDF Software is distributed on AFS
- JDL Requirement: presence of AFS TAG



LcgCAF current status:

- MC Production well underway in Italy
- Work in progress
- Accessing other European Sites for MC Production
- Data Analysis at INFN Sites

References

- LcgCaf Official Site: <http://www.pi.infn.it/cdf-italia/public/offline/lcgcaf.html>
- LcgCaf Web Monitor: <http://wn-04-04-26-a.cr.cnaif.infn.it:8081/lcgcaf/>
- CDF Official Site: <http://www-cdf.fnal.gov/>
- CNAF CAF Official Site: <http://cdfmon.cr.cnaif.infn.it:8081/>
- INFN GRID Official Site: <http://grid-it.cnaif.infn.it/>