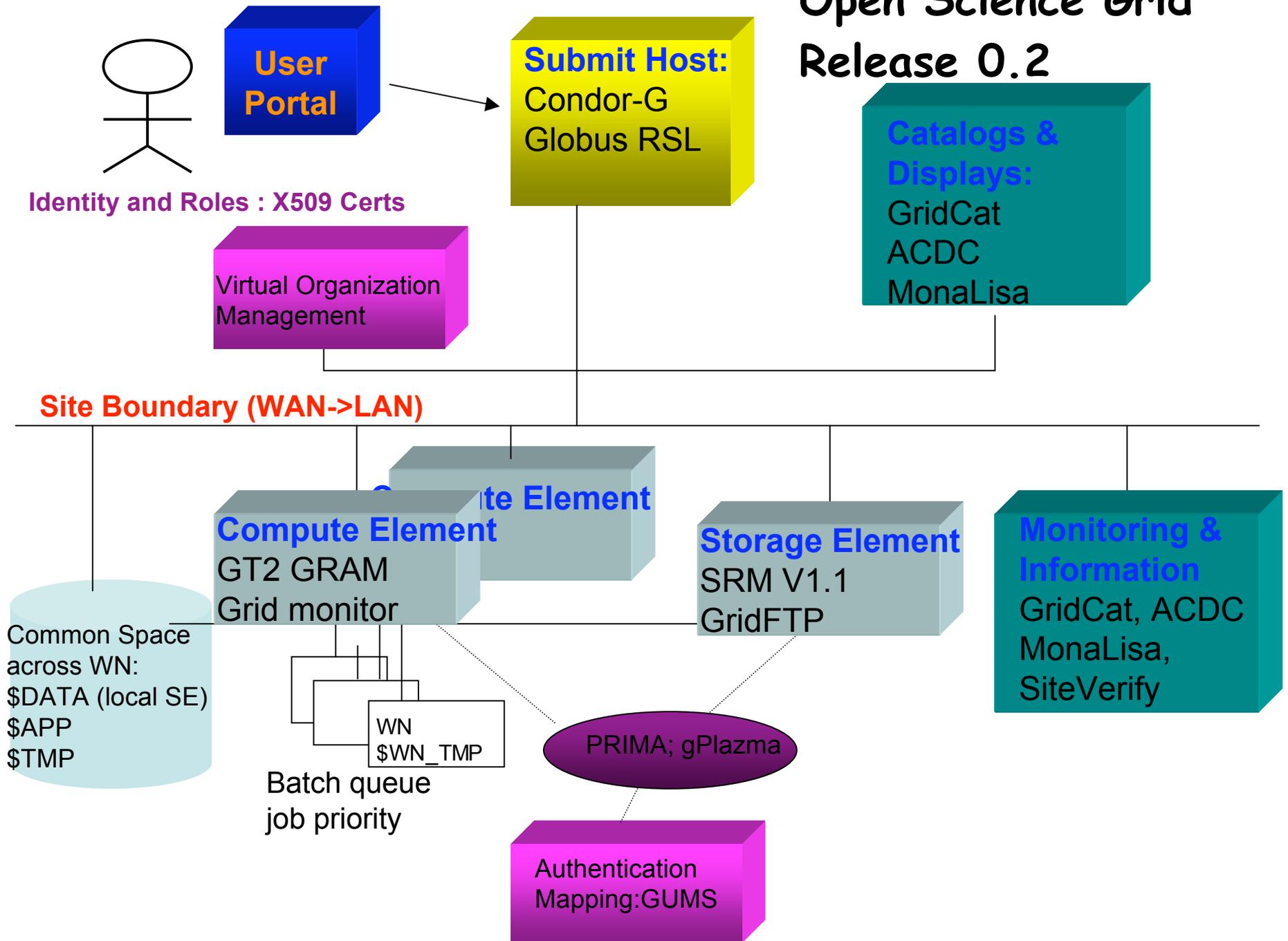


Open Science Grid@Fermilab status

Ruth Pordes,
GDM Nov 29th 2005

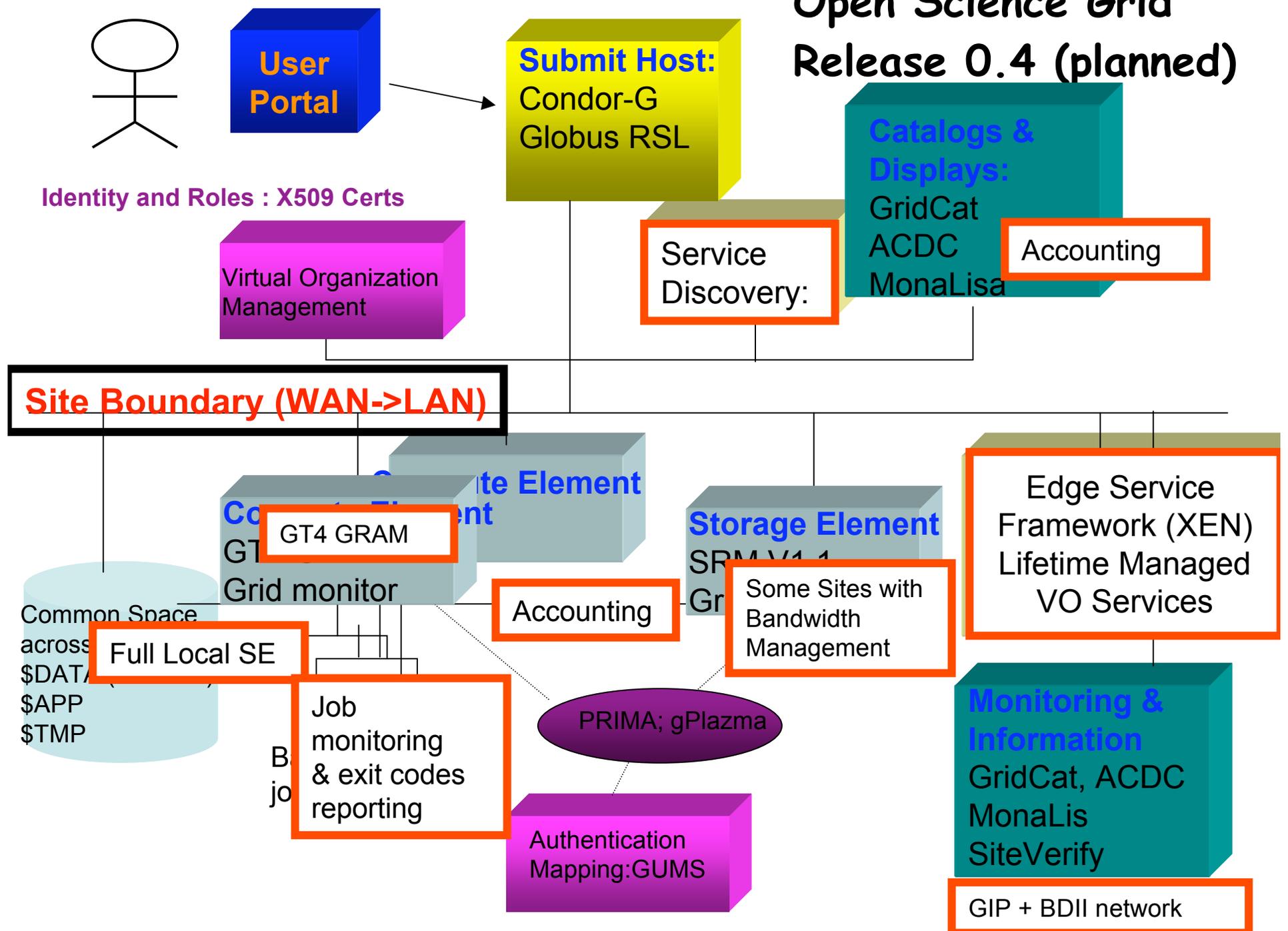
Open Science Grid Release 0.2



Milestones and Deliverables

- US CMS:
 - OSG Release Fall 2005 (OSG 0.4) delivered for US CMS datagrid use.
 - VO Privilege Phase 2 (Storage callout) Readiness plan delivered to OSG Integration
 - Support for Privilege components.
 - Grid Accounting integrated into OSG release. Interoperability demonstration with OSG and LCG for SC2005
 - Integration and support for CMS resources on and application use of OSG.
- + OSG@Fermilab:
 - Grid Accounting integrated into OSG release
 - Policy requirements - contribution to OSG Security.
 - Access to shared CPU and Storage through FermiGrid.
 - Support for the web portal and documentation.
 - Contributions to managed storage on OSG.

Open Science Grid Release 0.4 (planned)



Identity and Roles : X509 Certs

Virtual Organization Management

Submit Host:
Condor-G
Globus RSL

Catalogs & Displays:
GridCat
ACDC
MonaLisa

Service Discovery:

Accounting

Site Boundary (WAN->LAN)

Compute Element
GT4 GRAM
Grid monitor
Accounting

Storage Element
SRM V1.1
Some Sites with Bandwidth Management

Edge Service Framework (XEN)
Lifetime Managed VO Services

Common Space
across sites
\$DATA
\$APP
\$TMP

Full Local SE

Job monitoring & exit codes reporting

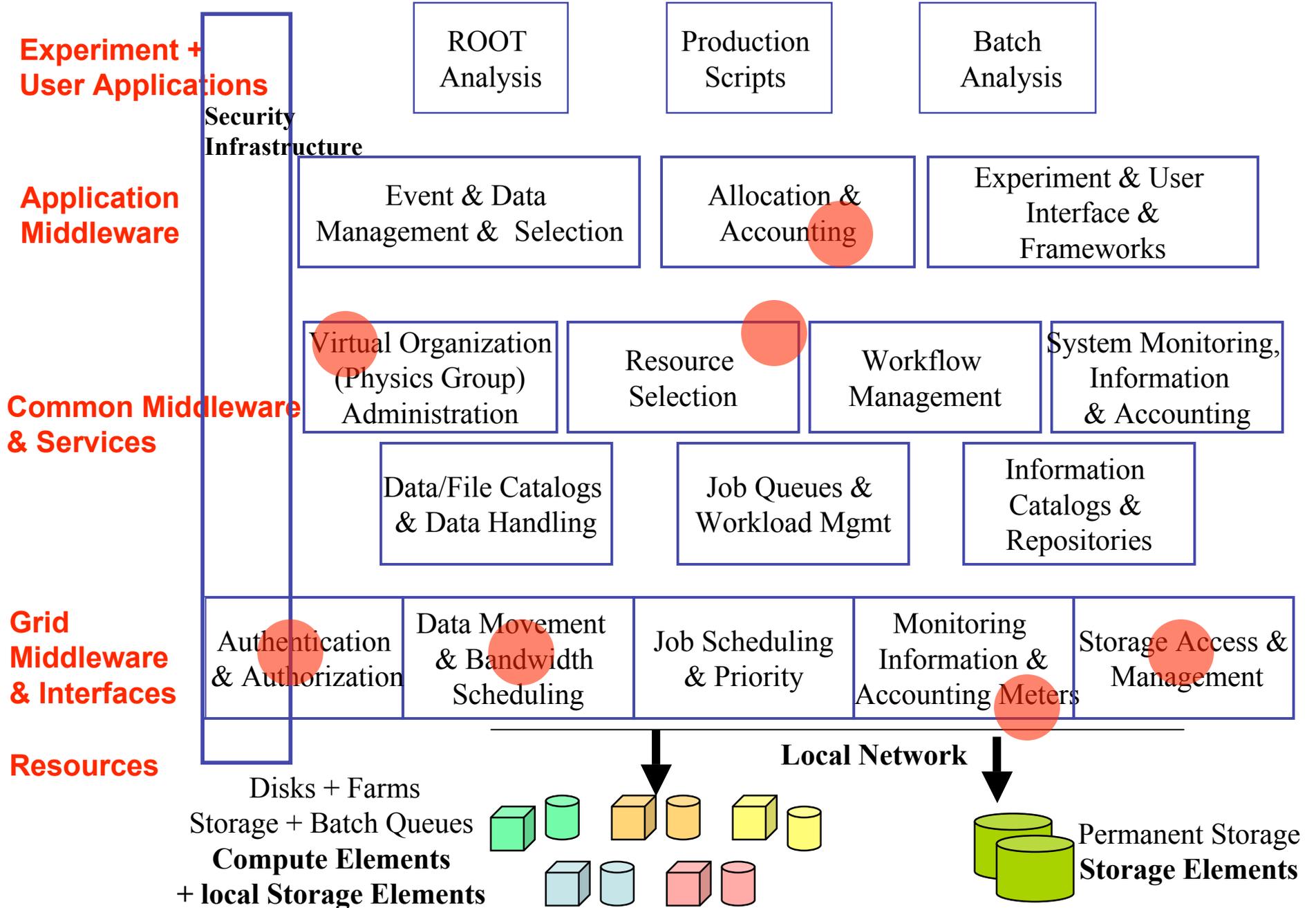
PRIMA; gPlazma

Authentication Mapping: GUMS

Monitoring & Information
GridCat, ACDC
MonaLis
SiteVerify

GIP + BDII network

Grid Services: OSG@Fermilab



Plans and risks

The priorities and needs of the Fermilab program cannot and should not be dependent on any success of soft-funding.

- OSG Program of Work and Management plan in progress.
 - OSG Facility 23FTEs+ 3 funded coordinators
 - Extensions to the Capacity and Capability: ~7x3 FTEs for targetted common projects.
 - Training/Education 2 FTEs.
- Expectation for continuation of “Trillium support” is through a single proposal submitted to both DOE and NSF aligned with the SciDAC-2 solicitation and call:
 - Solicitation ~Dec 19th.
 - Pre-proposals ~Jan 15th.
 - Proposals ~End of March.
- Will there be “joint with NSF” in this solicitation or will the NSF submission be unsolicited or..??
- Will the OSG Council be able to get to consensus on a management and program of work?
- Will we write a well-reviewable proposal?