

CSS – GDM

- Farm Management
- Software Deployment
- Database Administration
- Operations Support
- License & Contract Issues

Farm Management

- Today applications are managed by one of three groups. Customer, CSS or CCF.
- Everything else is managed by CCS Farmers.
- In a Grid context, CSS would provision a chunk of resource and give the User access to the resource.
- Testing this functionality on GP Farms.

Operations

- Currently Farms Team manages 750 systems.
- Approximately 4 FTE's effort.
- Three different buildings.
- 2.5 FTE's to address H/W and S/W.
- 1.5 FTE's for projects.

Operations - 2

- Currently CMS Team manages 250 workers and server nodes.
- Approximately 2 FTE's.
- Includes projects, H/W and S/W.

Operations - 3

- For the proposed Grid CSS would....
- Staff a Grid Site Manager and designer.
- Create a WBS structure.
- Grid Site manager would manage some number of administrators to execute provision changes of Grid resource elements.
- Staff to answer Users requests – Helpdesk.

Operations - 4

- Helpdesk would have approving authorization for Grid access.
- First triage of operational and security issues would handled by the helpdesk.
- Overall staffing by CSS would probably require 5-6 FTE's across the department.

Software

- Systems can be provisioned with Rocks as a deployment tool.
- Study needs to be undertaken to best deploy Grid tools and authorization certificates.
- A Network accessible storage for User applications and data has to be deployed. We imagine this to be single namespace file system like AFS but better.

Database

- Currently private databases managed by Users.
- Oracle databases managed by DSG.
- In the Grid our DSG group would manage the databases, Oracle and Postgres.

Licenses

- None in use currently.
- Warranty expired on proposed nodes.
- CSS has bundled 3 year maintenance into purchases and have certified vendors.
- Maintenance and future contracts would be managed by our CSG group.