

# OSG Technology - Year 2 Planning

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# Year I

## Accomplishments

- Release of **OASIS service**. Done by GOC with close coordination / management by Technology team.
- **HTCondor-CE** - implemented, tested, and initial packaging done. Mostly waiting on HTCondor 8.0 release
- Strong **design-level** collaboration with HTCondor team: condor\_tail, audit log, python bindings, transfer throttling.
- SDSC integration with **BOSCO**.

# Year 1 Failings

- Failed to leverage OpenStack work at BNL into something useful for OSG.
  - Year 2 OSG goal?
- glxexec work for Cross-OSG-CE has not been finished.
  - It's not clear how necessary this is compared to the "OSG Connect" type ideas.
  - We do have a working prototype of a "certificate-less glxexec", but it's unclear how this migrates to production.
  - Alternate is to use HTCondor PrivSep, although we'd have to develop additional features for that too.
- End-to-end work in job-level monitoring.
- Migration away from SRM to GridFTP not progressing.
  - OSG will have the cost of maintaining bestman2/jglobus2 for awhile.
    - It's a big nasty codebase.

# Blueprints

- Some open-ended questions:
- We've been averaging about 3 Blueprints a year.
  - Do we have the right set of people present?
  - Are they effective?
- How can we better integrate the blueprint ideas back into the blueprint document?

# Year 2 Staffing

- Purposely decreased the “standing set” of Technology team staff.
- Found there was often a mismatch between available and required skills; I think this led to underutilizing staff.
- Most staff are now on the software or release teams; will be “borrowed” and used for specific projects.
- Negotiating with other areas as needed; not just within Technology.

# Staffing

- Brian B: .5 FTE (coordination, planning, investigations).
- UNL-new-hire: .3 FTE (investigations; tends to be [.5 - (metrics time)] FTE)
- Miron: .3 FTE (Technical Director)
- John H: .25 FTE (Blueprints and Blueprint document)

# Year 2 Plans

- Year 2 ideas in usability:
  - End-users:
    - Work with HTCondor team to better handle shared data on OSG.
    - Work with glideinWMS team to make sure users can analyze why their jobs haven't started.
  - VO admins:
    - Improve OSG's ability to ship improvements on glideinWMS (such as file transfer plugins or parrot integration).
    - Turn RSV into a useful VO testing framework. Allow VOs to automatically test all sites that claim to support them (both CE and storage).

# Year 2 - Other

- **OASIS:** Work with GOC to improve infrastructure surrounding OASIS (monitoring, VO management). Upgrade to CVMFS 2.1 and investigate an automated interface to OASIS.
- **Accounting:** General cleanup of web pages. Quarantine unknown records. Help do accounting for BOSCO / campus-oriented displays.
- **Information services:** Last year, we worked to unravel / simplify our information services. We need to continue along this path to make these include static information-only.
  - There's a chance we may be asked to have a GLUE2 view of the OIM information.
- Work to integrate **BOSCO with glideinWMS** factory (make SDSC setup "production-quality").
  - Part of liaison activities with the glideinWMS team.