

OSG Area Coordinators

Campus Infrastructures Update

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OSG Campus Program

- Focus on the Researcher (...or Artist)
 - What can we do to increase the throughput of your computing?
- Bosco (<http://bosco.opensciencegrid.org>)
 - Help ease the motivated researcher into a distributed environment
 - Make Bosco bullet proof
 - Broadening the user base
 - <http://display.opensciencegrid.org>
- Campus Infrastructure Community
 - Community building focal point
 - Rob Gardner

Proposed Change for AC Meetings

- Campus Infrastructure Community Report

- Rob Gardner

- Bosco Report

- Dan Fraser

Bosco Plan (release ~quarterly)

● Work on 1.2 (April -> May, 2013)

- Focus on reliability, reducing annoyances
 - Quickstart update recommendations from Miha
 - Simplification for one installed cluster
- Scaling to 1000 submissions

● Start on v1.3 (August)

- Gratia Accounting (integrated probe)
- SLURM support
- Native RPG package for Mac
- Additional features TBD

Bosco Developments

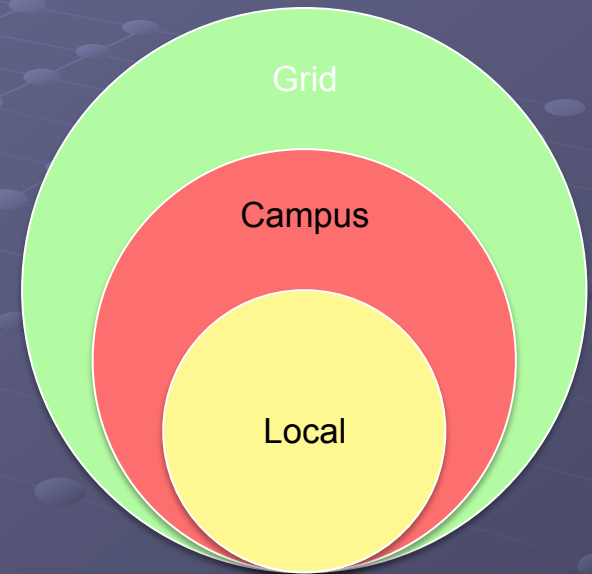
- Market Interviews (Miha) showing that attracting “Joe the researcher” requires a new approach:
 - Integrate with their research environments
 - Little interest in learning anything else
- Current use cases are more like Sam the System Expert:
 - CMS submission without a gatekeeper.
 - Pegasus HTPC workflow to XSEDE resources
- Bosco invite sent to Condor list
 - Results consistent with Market Analysis

Charting a new direction

- Explore Bosco integration with “R”
 - R is open source, seems straightforward to work with
 - Claim ~2,000,000 users
 - Multi-disciplinary capabilities (bio, analytics, ..)
- Added value:
 - Easily add resources to existing R user environments.
 - Package would add a cluster And set up an R environment for distributed jobs.

Campus HTC Infrastructure Direction

- Help the researcher use local HTC resources
 - Run on a local campus cluster
 - Run on several local clusters
 - Use local authentication credentials
- Use/share resources with a collaborator on another campus
- Access to the national cyberinfrastructure
 - OSG (and also XSEDE) resources



Submit Locally, Run Globally