OSG Area Coordinators

Network Monitoring Update

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Key Initiatives in Network Area

- OSG modular dashboard service
  - Coordinating development efforts (OSG/WLCG)
  - Deploying and hosting the service (OSG)
- Documentation updates: network tools & troubleshooting
- Improving perfSONAR-PS toolkit for OSG
  - Hardening deployed instances (tuning/bugfix)
  - (Re)Packaging toolkit for OSG users/others?
  - Advocating/supporting deployment at OSG sites

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Top Concerns

- The modular dashboard effort needs more "coders" and eyes on the API
  - This is a bottleneck for many other items
  - Good news: finally getting things into GitHub (this week?)
  - Depends upon getting interim OSG repo access
- We have setup sub-groups but only two have met/made-progress (emails "prompts" have been sent ☺)
  - https://www.opensciencegrid.org/bin/view/Documentation/NetworkingModularDashboard#Planning_and_Subgroups
- Documentation work is slow. Wiki pages updated based upon feedback to-date
  - Intend to push this more once modular dashboard is moving
- Getting operational support for hosting modular dashboard development and eventual production service is underway but need to get something real in place soon.
  - Operations sub-group needs to convene
  - Dashboard code needs to be accessible and "runnable"

Recent Accomplishments

- New worldwide effort in WLCG to deploy perfSONAR(-PS) at all Tier-1 and Tier-2 sites
  - ◦ Simone Campana and I are leading this.
  - ◦ OIM and GOCDB changes requested and almost in place
- perfSONAR-PS "Mesh" configuration tested and deployed in USATLAS and in Italy.
  - ◦ Important to allow scaling and management of PS
  - ◦ Can be used by OSG to manage network testing configs
  - ◦ http://www.usatlas.bnl.gov/twiki/bin/view/Projects/PerfSONAR_PS_Mesh
- Progress in User API and User Authentication/Authorization sub-groups (two meetings each) that will inform (and expedite?) modular dashboard development work
- New perfSONAR-PS version due mid January
  - ◦ December should have "beta" for testing
  - ◦ Has many fixes for issues we have identified; see http://code.google.com/p/perfsonar-ps/issues/list?can=2&q=Milestone%3DRelease3.3

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Near term items

- Getting a new GitHub project deployed for the Modular Dashboard

- Deploying and testing perfSONAR-PS beta 3.3 release

- Updates to "Mesh" configuration to support "include" directives

- Registration of existing OSG/WLCG perfSONAR-PS instances

- Documentation updates and additions

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URLs of Relevance

- Modular Dashboard
  https://www.opensciencegrid.org/bin/view/Documentation/NetworkingModularDashboard

- Network Documentation
  https://www.opensciencegrid.org/bin/view/Documentation/NetworkingInOSG

- Initial OSG networking meeting notes
  https://twiki.grid.iu.edu/bin/view/Networking/WebHome

- perfSONAR-PS Mesh Configuration
  http://www.usatlas.bnl.gov/twiki/bin/view/Projects/PerfSONAR_PS_Mesh

- perfSONAR-PS Tips, Tuning and Best Practices
  http://www.usatlas.bnl.gov/twiki/bin/view/Projects/LHCperfSONAR (will migrate to OSG documentation pages eventually)

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Questions or Suggestions?

Thanks

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