

GIP, Storage Elements, and you

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GIP's Role

Storage Element Information

GLUE 1.3 Schema



What's it for?

“Laws, like sausages, cease to inspire respect in proportion as we know how they are made.” – John Saxe

Storage Element Information



LHC Installed Capacity

What's it for?



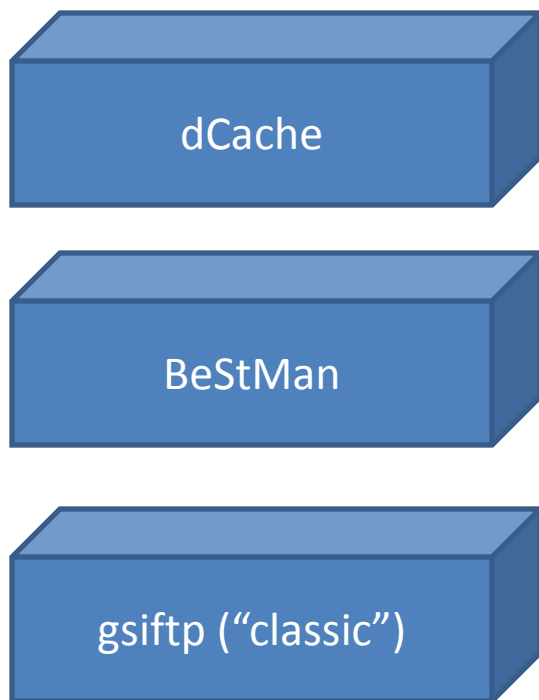
- Storage Discovery with current tools
 - lcg-infosites, lcg-info, glite-sd-query
 - VO-specific tools (e.g. CMS CRAB / ProdAgent)
- Storage Discovery with new tools
 - See Ted's talk in a few minutes



What do we support?



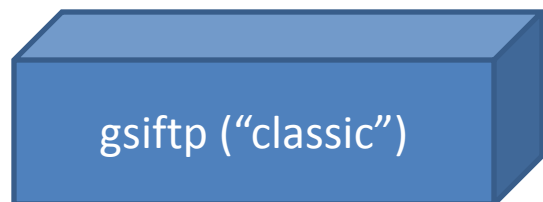
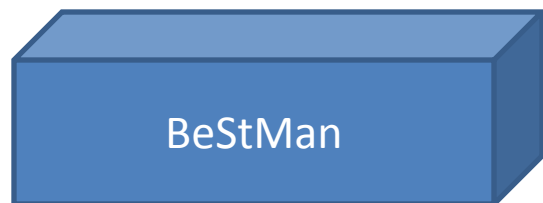
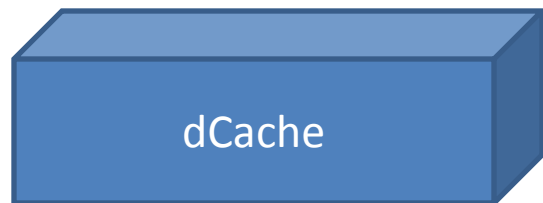
Now: OSG 1.0 – 1.2



What do we support?

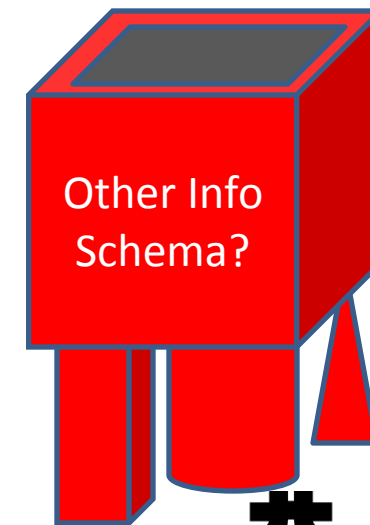
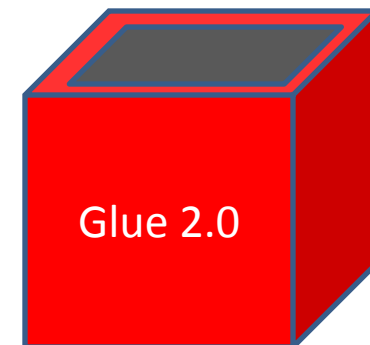


Now



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Future



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Validating your own site



- We do some minimal schema-level validation – GIP validation is built into MyOSG
- Large amount of effort (measured in Bockelmans) has gone into translating dCache link groups, pool groups, space reservations into “Storage Areas”, as well as BeSTMan tokens and equivalent information, and generate capacity information
- We need help to validate the information – you know your sites best
- User-friendly tools still need work – here’s how I would query my site’s installed capacity:

```
ldapsearch -xLLL -h is.grid.iu.edu:2170 -b o=grid \  
'(&(objectClass=GlueSA) (GlueChunkKey=*cmsrm.fnal.gov))' \  
GlueSACapability
```

- Storage group’s discovery page:
https://gw014k0.fnal.gov:8443/test/osg_storage.jsp
- See Ted’s talk ...



What's next?



- Support & maintenance (bugfixes)
- Waiting for input from Software Tools Group (and guidance from this group) on what stakeholders/VOs feel is missing





Open Science Grid

Q&A?



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