

Status of OSG Information Services / Workshop Objectives

Shaowen Wang

The University of Iowa

Gabriele Garzoglio

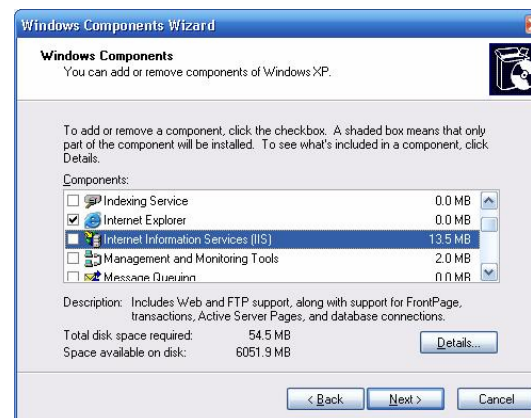
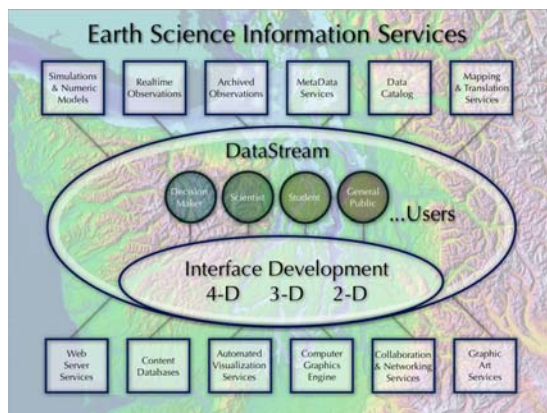
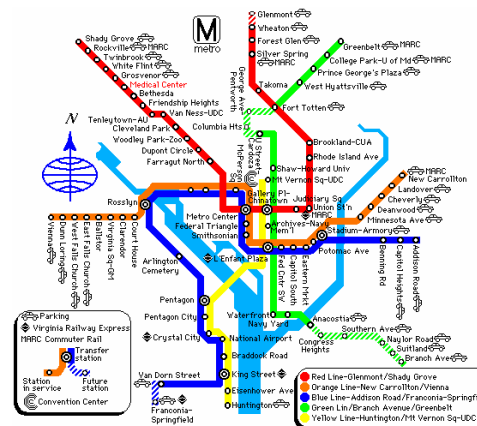
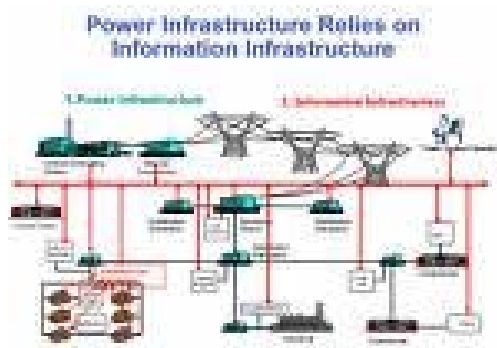
Fermi National Accelerator Laboratory

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OSG Consortium Meeting, Seattle, WA, USA



Information Services Background



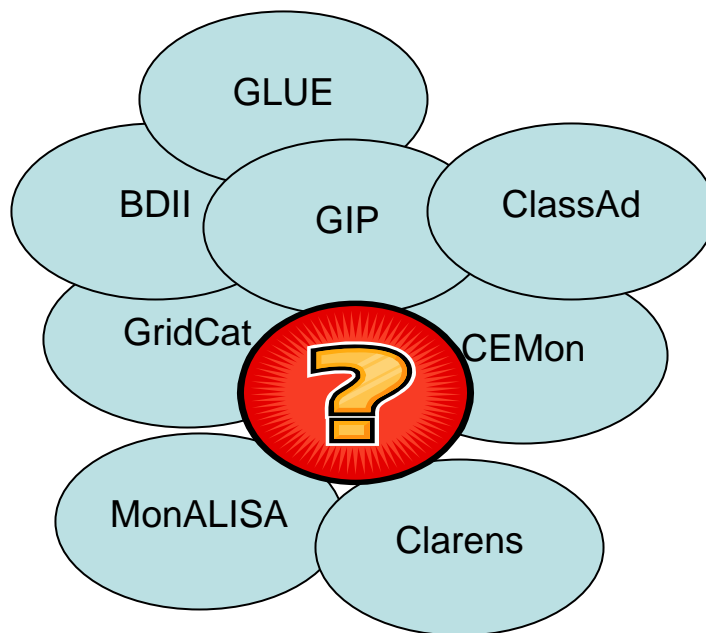
- Grids would NOT know what/how to share without information services



OSG Information Services – What OSG Has?



User



System Administrator



The State of the Art

- Diversity of Grid Information Services
- Overlapping
 - Functions and purposes
 - Access and presentation methods
- Service Oriented Architecture
- Information model and schema
 - CIM
 - GLUE
 - Relational



Open Science Grid OSG Information Services – Taxonomy

- Functions and purposes
 - Accounting/auditing
 - Cataloging
 - Interoperability
 - Monitoring
 - Operation
 - Resource selection
 - Troubleshooting
- Access and presentation methods
 - Visual display
 - LDAP query
 - Database query
 - Pull
 - Push



Workshop Objectives

- Discover/identify/specify what things
 - Are wrong
 - Could be better
 - You need
- Help develop a plan to
 - Guide information services work
 - OSG 0.6.0 production release
 - OSG 0.8.0 production release
 - Sustain for long term needs
 - Adapt to future technology trends



Axes and Topics

- Ramping up 0.6.0 production release
 - BDII
 - CEMon
- Moving toward 0.8.0 production release
 - GLUE Schema 1.3
 - Information provider solutions
 - MDS4
 - Service discovery and definition interfaces
- More details are in a document
 - [http://osg.ivdgl.org/pub/InformationServices/InfoServicesSessionAgenda/OSG-IS-Plan_\(0.9.2\).pdf](http://osg.ivdgl.org/pub/InformationServices/InfoServicesSessionAgenda/OSG-IS-Plan_(0.9.2).pdf)
 - But the document is only a start



The Planning Document

- Service-Oriented Architecture (SOA) information services
 - Evolution of existing OSG information services
 - Emerging technologies
 - MDS4
- Service discovery interfaces and definition
 - Service discovery on OSG
 - Interoperability with EGEE
- Definition of the GLUE Schema v1.3
 - Extensions to GLUE Schema 1.2 (OSG draft by Aug 2006)
- Implementation for Information provider technologies to support the GLUE Schema V1.3
- Information services interoperability
 - to achieve interoperation of OSG with the EGEE, NorduGrid, and TeraGrid



Agenda

Start	Duration	Description	Who	Location
9:00	10min	Overview of session objectives, status of services	Shaowen Wang, Gabriele Garzoglio	TBD
9:10	10min	GLUE Schema	Sergio Andreatozzi	TBD
9:20	40min	Requirements for OSG 0.6.0 - 0.8.0	Laura Perlman	TBD
10:00	10min	BREAK		
10:10	60min	Requirements for OSG 0.6.0 - 0.8.0	Laura Perlman	TBD
11:10	30min	Panel: Future trends on information services	Gabriele Garzoglio	TBD
11:40	20min	Wrap-up	Laura Perlman	TBD



Glossary / Jargon

- BDII (Berkeley Database Information Index)
- CIM (Common Information Model)
- GIP (Generic Information Provider)
- GLUE (Grid Laboratory Uniform Environment) Schema
- MDS (Monitoring and Discovery Services)
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Thanks!

- Questions and comments?