OGF35 Closing

Chaired by Cees de Laat

UR-WG session summary

- Working session
  - UR attribute
  - Use cases and requirements
  - Attribute Origin Matrix

- Contacts with GLUE WG to share some of their experience

DCI Federation WG (Alexander)

- - presentation of the results from the Cloud Plugfest

- - introduction into the ETSI testing framework-interoperability demo for the EGI Federated Cloud testbed

- - creation of an initial profile draft for the Federated Cloud use case

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DRMAA (Andre)

- version 2 C bindings are converging nicely

- reference implementation from HPI open for contributions / comments

- integration with OCCI is painful but progressing, will result in 'remote DRMAA' -

OCCI (Alexander)

- document walkthrough through the JSON rendering draft

- discussion on necessary changes in the core model-synchronization with the DRMAA-WG regarding the rendering of DRMAAv2 over OCCI

- presentation on the rOCCI implementation by GWDG, Germany- presentation on the related efforts in the ISOD-WG

- presentation on network-centric issues from the NSI-WG

OCCI (Andre)

- work on JSON rendering

- has some consequences on OCCI-CORE

- HTTP rendering is being cleaned up

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GLUE (Andre)

- GLUE: - very active now, XML rendering converging toward flat model after all   - ever increasing interest from other groups   - LDAP rendering evolution is being discussed, to sync with implementations -

BES (Andre)

- discussed profiles from UvA toward PGI requirements

- 3 short, focused documents, document will be further iterated, but seem on track

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Astro-CG (Andre)

- ASTRO-CG is (re) forming

- targets OGF-36 as first official group meeting

    - builds upon alliance between OGF and IVOA (International Virtual Observatory Alliance)

    - continues ASTRO-RG, feeds into OGF standards process

    - Mailing list set up

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Astro-CG (Jens)

- Andre set up a mailing list and the group will continue to work on the charter. The main presentations were from CANFAR (Canadian astro data federation http://canfar.phys.uvic.ca/) , and IVOA (Int'l Virtual Observatory Alliance), from EGI, and a project called FASE which was working on preservation of astro software (ie updating legacy code). Perhaps OGF should have an MoU with IVOA?

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Security Area (Jens)

- The security area had a very busy day Monday, with a lot of progress made in CAOPS; the group reviewed the updated version of GFD.125 which should now go to final review in the group. Lots of discussions of interoperation of security algorithms. Also protections of private key. Slides should be uploaded.

- Identity delegation (IDEL) made progress, at this point people were identified to work on a survey. There is talk about different profiles("delegate X via Y") as well as generic overview.

- VOMSPROC evaluated the targets as defined by the charter as well as the existing documentation which we can build on. There are two aspects: how things should work (doc'd), and how things _actually_ work, which is found only by testing or by reading the source code...Would be good to see a list of test cases, IMHO.* Note FEDSEC which needs to have the XACML doc published - after all the uncertainty about copyright.

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GIN I + I Session Summary

- Several speakers from different fields
  - NSF DataWay (D. Katz), XSEDE (A. Grimshaw), EUDAT (M. Riedel), QosCosGrid (M. Mamonski), CHAIN (G. Andronico), VENUS-C (D. Lezzi), …

- Some Conclusions
  - OGSA-BES/JSDL/UR usage getting broader
  - BES/JSDL extensions and lessons learned noted for PGI
  - Data itself can be considered as infrastructure (complexity!)
  - GIN expands to data-related infrastructures & activities
  - Combining compute/data analysis also to 'avoid big data'

- Next Steps
  - Journal Paper summarizing GIN activities in the last years
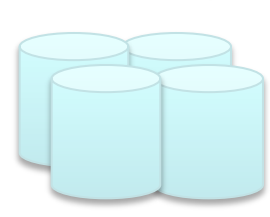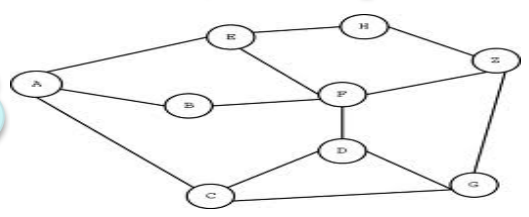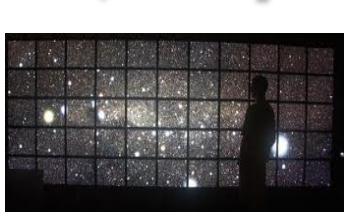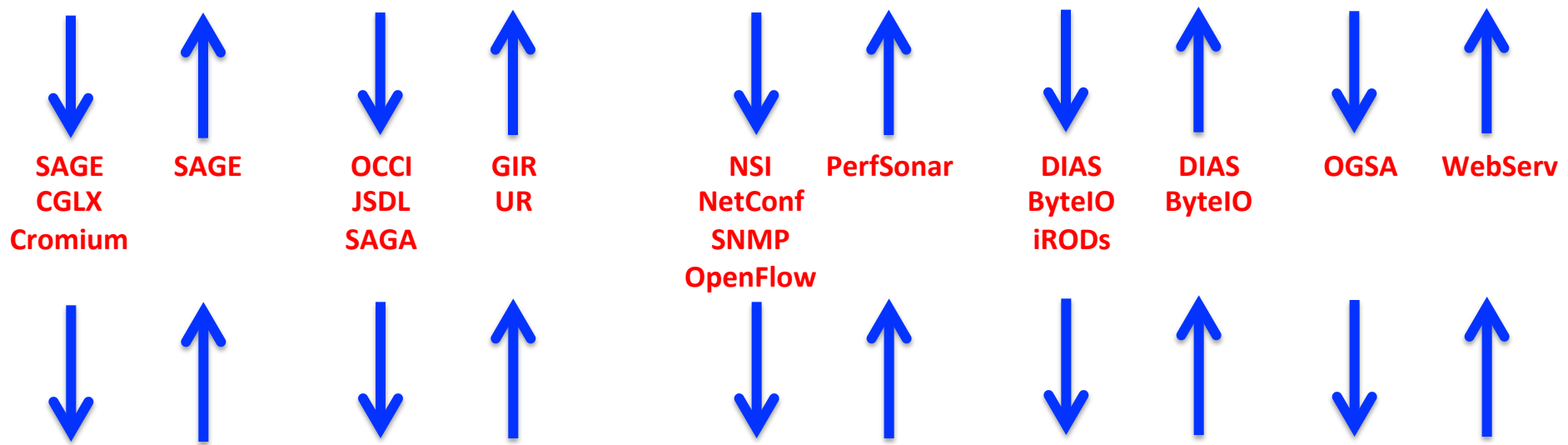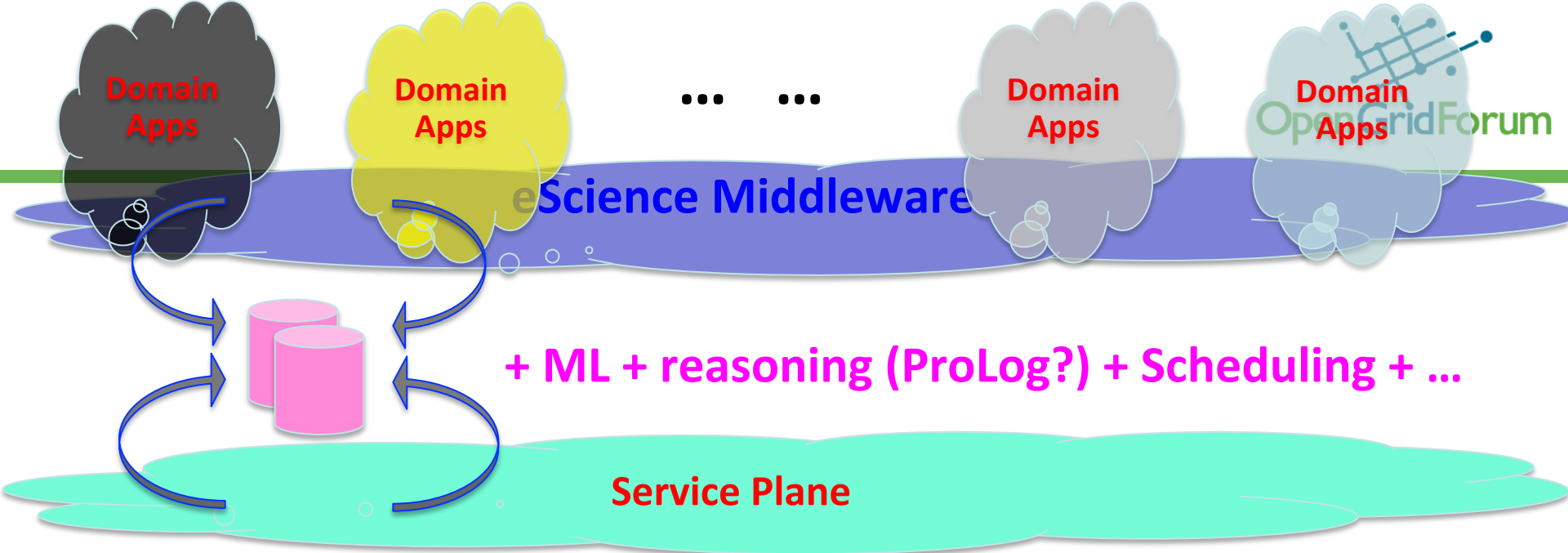 - Supercomputing 2012 demonstrations with BES/JSDL et al.

PGI Session Summary

- Activities are progressing in two major PGI contexts
- PGI relationship with re-using GLUE2 in BES/JSDL
  - GLUE2 group agreed on a XML rendering and solved issues
  - Work on specification starts, ready in the next weeks/months
  - PGI can take the work to progress on its own recommendations
  - PGI GLUE2 profile on top of BES and/or BES group profile
- Two emerging BES profiles covering PGI requirements
  - Several requirements are addressed in the new two BES profiles: access to job session directory, manual data-staging, etc.
- Next Steps
  - Create a referencable PGI requirements list for other groups
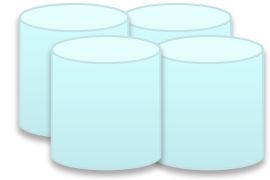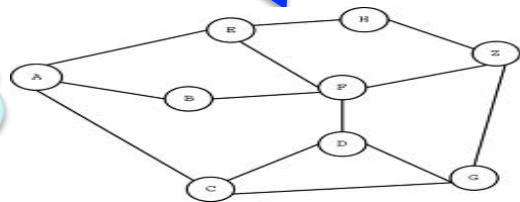 - EMI-ES as community practice document for public comment

ECO-Scheduling (Cees)

GreenSonar BOF (Cees)

- Sustainability requires Green-IT in all kinds of resources, compute, network, storage, sensor, …

- Measure to know; information needed for smart infrastructure.

- Basic idea: been there done that in Networking!

- Why not apply NM & PerfSonar methods and architecture to Green & Energy information?

- Need also application information.

- Big hurdle: energy metrics on heterogeneous resources

- BOF/Charter meeting at OGF36, Chicago.

Domain Apps · **Domain Apps** · ... ... · **Domain Apps** · **Domain Apps**

OpenGridForum

eScience Middleware

+ ML + reasoning (ProLog?) + Scheduling + ...

Service Plane

SAGE
CGLX
Cromium

SAGE

OCCI
JSDL
SAGA

GIR
UR

NSI
NetConf
SNMP
OpenFlow

PerfSonar

DIAS
ByteIO
iRODs

DIAS
ByteIO

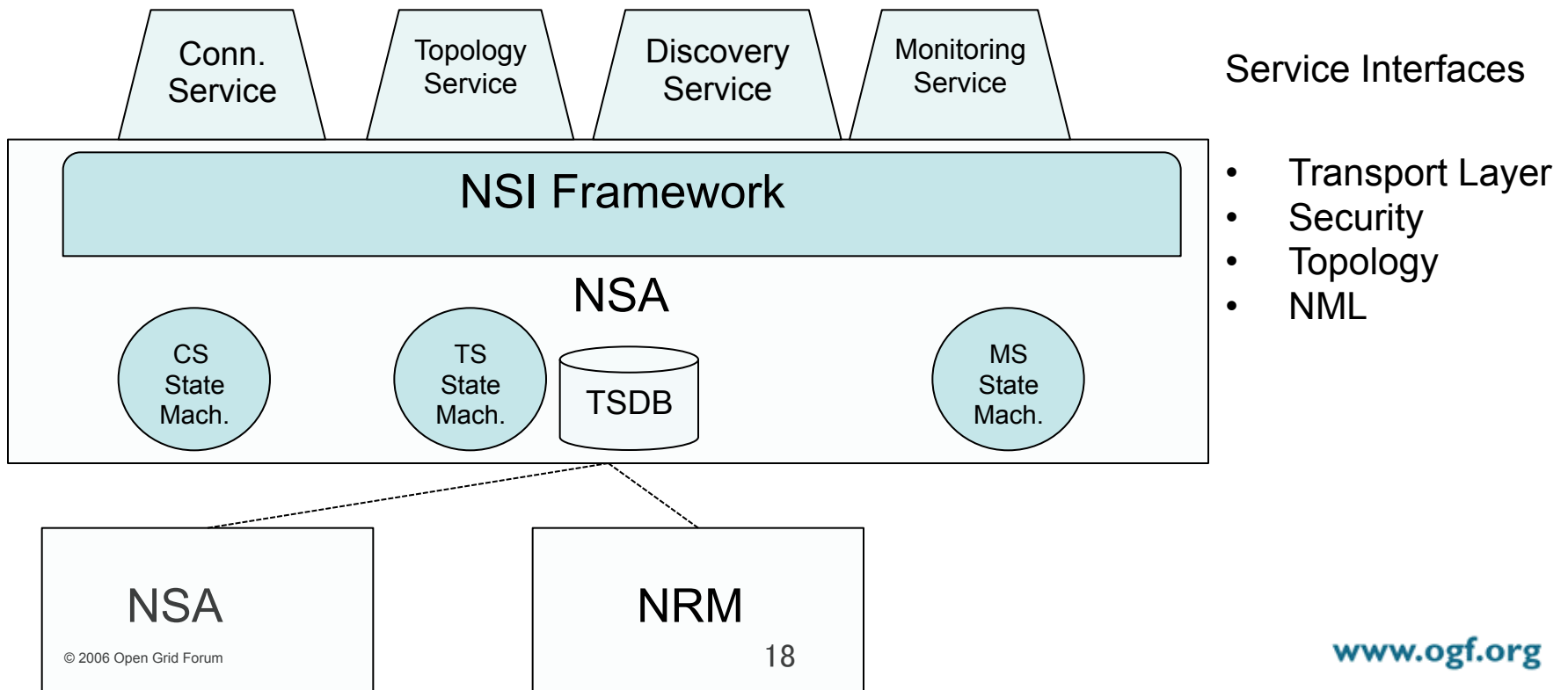**OGSA**

WebServ

Cloud
Computing
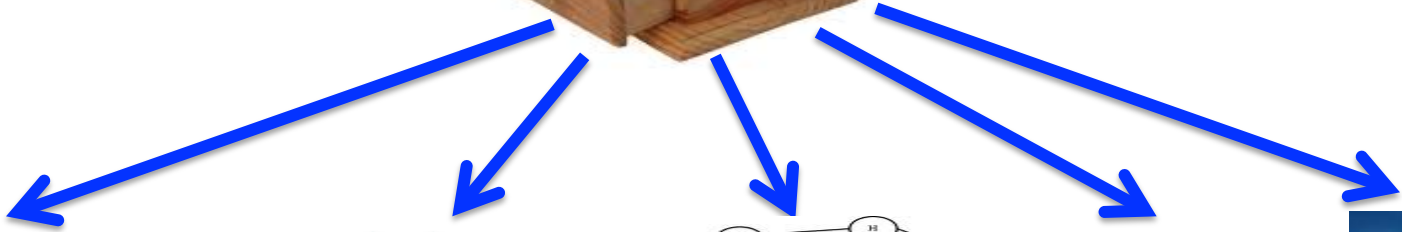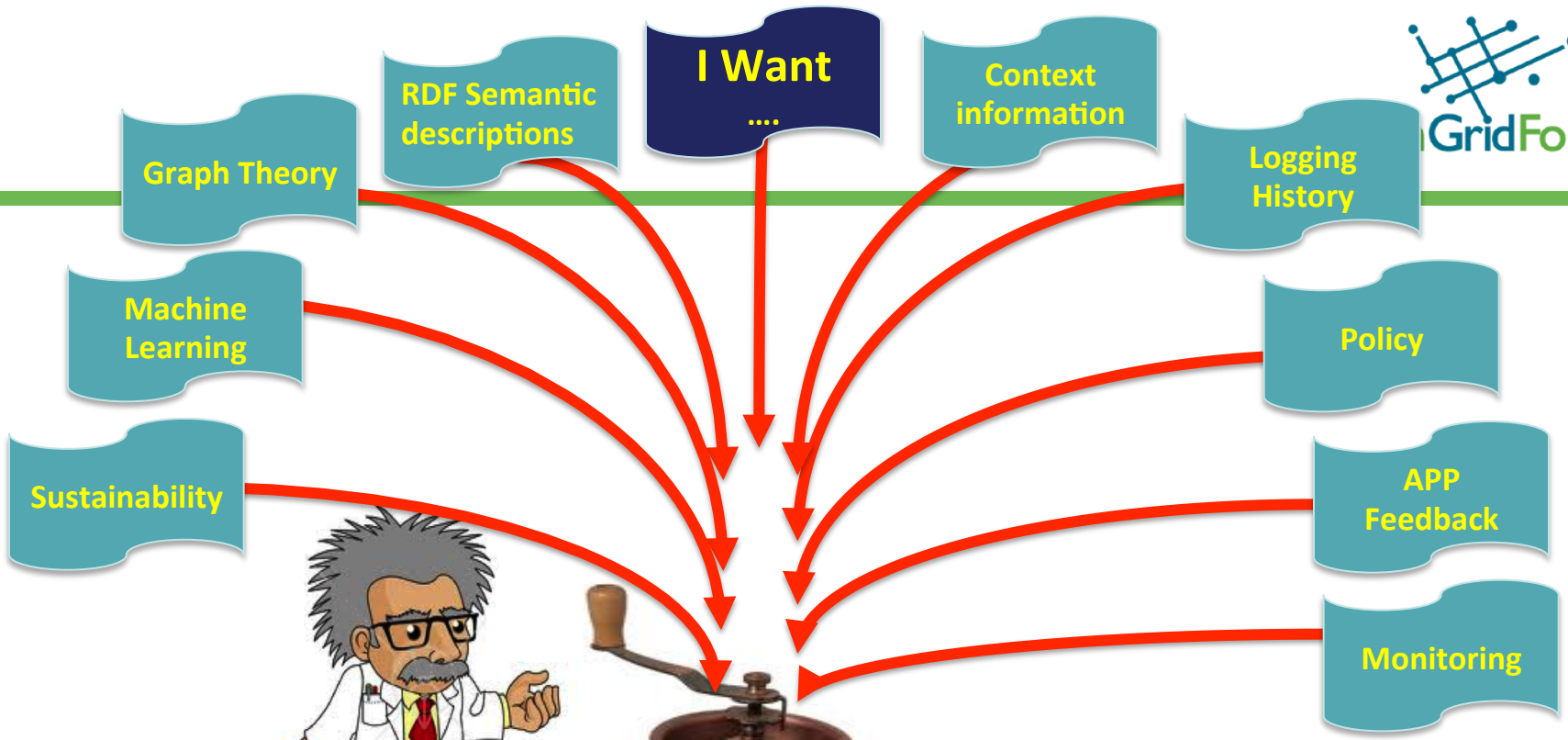
NSI-WG Update (Guy)

- 20 participants and 3 working group meetings at OGF35

- NSI connection service v2.0 on track for Autumn

- New services in preparation to be incorporated in NSI framework:

| Conn. Service | Topology Service | Discovery Service | Monitoring Service |

Service Interfaces

NSI Framework

NSA

- CS State Mach.
- TS State Mach.
- TSDB
- MS State Mach.

- Transport Layer
- Security
- Topology
- NML

NSA

NRM

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NML at OGF 35 (Freek)

Goal: Describe network topologies

(Technical) Progress:
- Added PortGroup, LinkGroup (*better scalability*)
- Use query parts in URIs to specify a Port in a PortGroup (*better scalability*)
- Removal of unused elements: Network, Domain (keep Topology) (*stay focused*)
- Defer definition to technology specific schemes later: capacity, latency, MTU, buffer (*stay focused*)
- Use full URI for relations (*better extensibility*)

GLUE2 - XML Rendering (JP/Shiraz)

I.   Adopted/Approved
   o   Flat rendering
   o   Root "glue:Entities" element required for GLUE2 documents
   o   Main elements are also global (can be Root) to enable inclusion by other schemas
   o   Substitution groups for main element classes to facilitate consistency and adoption by other schemas

II. Discussed
   o   ANY URI or STRING for explicit cross-references across glue documents

III. Action Items
   o   New XML rendering document in 4 weeks
   o   New XML schema in 4 weeks
   o   Follow OGF process to approve rendering and schema documents

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GLUE2 - Other Items (JP/Shiraz)

I. LDAP rendering

   o "DIT or not to DIT" that is the question, resolve debate on e-mail list/teleconferences

   o Need to finalize official rendering document

II. Plan to create a registry of names and types with descriptions

   o Process to maintain will be discussed and established

III. Two groups are working on JSON rendering

   o Start discussions on standardizing JSON rendering

ISOD-RG: On-demand Infrastructure Services Provisioning (Yuri)

◆ Two sessions

◆ 4 Presentations

◆ OCCI Activities [Alexander Papaspyrou (TU-Dortmund)]

◆ Cloud Computing: The Optical Perspective [ADVA]

◆ NaaS platform by Mantychore [Joan A. Garcia-Espin (I2CAT)]

◆ Intercloud Architecture Framework [Yuri Demchenko (UvA)]

◆ Discussion on ISOD BCP Infrastructure document

◆ Status update

◆ Restructuring of document

◆ Call for additional contributions

◆ Action before and for the next OGF36

◆ Draft, discuss on the list, update ISOD Taxonomy (as Deliverable 1/2)

◆ Draft and discuss Recommendations (as Deliverable 1/2)

Upcoming OGF Event

- OGF36
- Chicago, Illinois, USA
- October 8-10, 2012
- Co-located with
  - eScience 2012
  - GLIF
  - Microsoft eScience conferent
- Will NOT be in building 36!
- www.ogf.org/OGF36

www.ogf.org

OGF - 2013

- Aiming again at 3 main events

- Preferably University model

- Strategic co-locations (e.g. GLIF, HPDC, …)

- Open for bid's

  - Email Stephen Newhouse or me.

Joel Replogle

THANKS!

Questions

See you in Chicago!

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