From EGEE Operations Portal towards EGI Operations Portal

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EGEE Operations portal

- customers: EGEE actors (site, federation, operators)
  and main features of the Operations Portal
- EGEE Operations Model
- Situation at the end of EGEE-III

EGI Operations portal

- Backend Reorganization: Symfony
- Enhancement of standardized access mechanism: Lavoisier
- Current and future work
EGEE Operations Portal features

USER: end-user or community

RESSOURCE PROVIDER

VO info

Site info

Integration Tools
CIC Portal

Communication tools

Monitoring tools

User Support

OPERATOR

OPERATIONS CENTER
EGEE Operations portal services

Enabling Grids for E-sciencE

Gstat
Service Availability Monitoring

Production Ressource provider

Workflows & Operations Tools
Communication

VO ops info
VO ID Card
VO life cycle

Overview Operator Management

Enabling Grids for E-sciencE

EGEE-III INFSO-RI-222667

4/12
EGEE Daily Operations Model

Overview of the resource providers activity:
SAM based Operations Dashboard created December 2004

- EGEE-I: Implementation centrally driven by 4 federations
  ➔ Procedures build-up
- EGEE-II: Operations driven by 11 federations
  ➔ Procedures upgrade/ training material
  ➔ Build-up of QoS: metrics/failover
- EGEE-III: Decentralization of operations
  ➔ New model definition

Continuous improvement through quarterly meetings
- De facto tight interaction with Sam, Samap, gstat, gocdb, dashboard
- Training sessions and workshops on procedures and tools

Decentralized operations dashboard based on Nagios relying on standard-based Web technology
Incidental
– Multi developers environment
– Optimisation of development
– Streamlining of code for future customisation of workflows

Structural Needs
– Optimize maintenance time
– Integrate my sql for future customisation
– Anticipate multi-linguistic feature
– Provide packaging for EGI operational entities/ NGI or group of NGIs

Advantages: Optimisation of conception, uniform structure for developments, maintenance, pattern automation, multi-OS platform and multi DB compatible.

Drawbacks: Heavy initial reorganization workload
Advantages: Standardisation of data access, Uniformisation of information management, Reliability, Ease of maintenance

Drawbacks: Heavy-weight for single info source
Dashboard status at EGI start

Customized views hosted centrally
Beta-package for local hosting available
Available in production: end of March 2010

REGIONAL SCENARIOS

(1) Full distributed model: regional helpdesk, dashboard + DB

(2) Partially distributed model: dashboard + DB

(3) Helpdesk distributed
Current work

- Data access standardization via common re-engineering of front-end and back-end of the site and operational info databases together with GOCDB team
  ➔ Ergonomic global info management
  ➔ All kind of decentralization scenarios

- Re-design of existing key features of the portal to provide information via standard XML format
  ➔ VO operational information, life-cycle; EGEE Broadcast

- Customization with Operations portal v2.0: https://operations-portal.in2p3.fr/
  Dashboard, Broadcast, Downtimes subscription, VO life-cycle, resource provider tools
  ➔ Integration of other DCI (GISELA)
Future work

- Operations Portal within JRA1 activity in EGI-Inspire

OTAG – Operations Tools Advisory Group
otaq@mailman.egi.eu
3rd meeting in Upsalla at the UF 5
https://www.egi.eu/indico/categoryDisplay.py?categId=4
Try the dashboard beta-package: 
https://forge.in2p3.fr/documents/show/76

Open a GGUS ticket: dedicated CIC Portal SU / OTAG SU
Contact us: cic-information@in2p3.fr / feedback form
- **POLE1 : CE, NE**
  - Nagios acceptance criteria/time
  - Model/metrics
- **POLE2 : NE**
  - Ops Manuels, Best practices
  - Training guides, How-to
  - Feedback on NGI readiness
- **POLE3 : FR**
  - Failover Procedure for recommendations
  - Procedure on NGI operations set-up
  - Forge Forum/Wiki/Documents

OE5 (PL, NL) - OE13 (FI)
project-eu-egee-sa1-c-cod-followup@cern.ch
Oversight of daily operations
Best practices/training

OTAG:
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GOCDB, Operations Portal, Dashboard, …
A regionalized tool requires
- interoperation between the national and the central instance
  (interoperation with non-EGI grids needs to be addressed in any case)
- a scalable and reliable transport mechanism, which becomes a critical component
- has a software development/maintenance cost
- commitment/resources to test and then run it nationally in a reliable manner

A regionalized tool allows for
- better scalability of the overall model
- easier customization
- use of native language (where relevant e.g. Helpdesk)
- persistent storage of national data (e.g. accounting URs)
- directly responsible of the service availability
- one technical reference solution for all, instead of independent development efforts

[courtesyTF: https://www.egi.eu/indico/contributionDisplay.py?contribId=12&sessionId=3&confId=1]