Regionalisation summary

OTAG-13@TF12 Prague
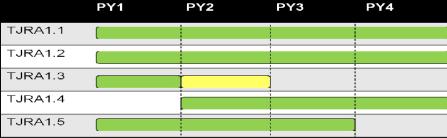
1) Complete achievements of WP7 objectives

❑ The objectives of WP7 for the current period have been partially achieved.

❑ Regionalisation effort continued because of the decision to extend the TJRA1.3 task; however, it remains unclear whether any progress has actually been made here.

❑ Accounting repository not available yet

❑ There is little point to the EGI existing if it does not present a unified (but regionalised) interface to users

	PY1	PY2	PY3	PY4
TJRA1.1				
TJRA1.2				
TJRA1.3				
TJRA1.4				
TJRA1.5				

2) Better control of effort reporting

❑ Resource consumption has also been rather erratic but is also being brought under control

Regional tools deployment plan

https://wiki.egi.eu/wiki/Operations_tools_deployment_plans

Tool/feedback	NGI	Central	Not decided	Custom NGI	N/A	Deployed
Accounting portal	11	18	3	2	1	0
GGUS(xGUS)	4	17	1	12	1	5
GOCDB	9 (sync should be 5)	25	0	0	1	1-2
Operations portal	10 (should be 9)	24	0	0	1	4

GOCDB regionalisation requirements

DoW reqs	RT /TF reqs	Comment
Porting to mysql (TJRA1.2)		Can be done maybe postponing other developments if strongly required
"TJRA1.3 will provide an instance of the GOCDB service that could be deployed nationally and information federated into a central instance"		
	Allow NGIs DB customization	
	1) Scoped sites & regional views in central instance	Available – allows custom SE types
	2) Stand alone regional gocdb	Available on Oracle Allow NGI db customization
	3) Regional synchronizing gocdb	No effort for implementation (NGI DB customization cannot be synchronized)

GOCDB

Regional instance requested by:

NGI_AEGIS   NGI_FRANCE
NGI_CZ   NGI_PL
NGI_DE   NGI_UK,
NGI_IT   Spain?

❑ NGI_IT: Satisfied with NGI view on the central instance

❑ NGI_GR: no need. the central one is more than enough

❑ Portugal:GOCDB provides a regional view which seems to be enough for now

❑ NGI_NL: no need of regionalisation

❑ NGI_PL: we do not see a need for deploying regional GOCDB instance (maybe

in the future an interface to sync the regional one)

❑ NGI_CZ: yes if working properly

❑ NGI_FR: Central with use of customization features (flagging, property bag)

GOCDB

Working on:

❑ glue2 rendering

❑ multiple endpoints per service (3347, 3331)

❑ property bag (3764)

❑ many smaller reqs

Other reqs:

❑ OIM integration

❑ VO integration and querying DT per VO (973)

More info: https://indico.egi.eu/indico/getFile.py/access?contribId=72&sessionId=39&resId=0&materialId=slides&confId=1019

TJRA1.3 DoW reqs	RT /TF reqs	comment
A standalone portal tool will be deployed using standard interfaces to the NGI operational tools.		Done – with complete synchronization with the central portal
The central operation portal will be a catch-all instance providing NGI-customised views at a central level.		
	The possibility to switch on and off new alarms: as required by an NGI within the ROD scope only. Regional alarms added to the dashboard (2794)	Done
	The integration of local non-EGI sites and services into the dashboard - Manage alarms for non EGI sites in the dashboard (2796)	Can be done using the "scope" mechanism in GOC DB
	The use of a different helpdesk for local sites -	Can be done interfacing xGUS?

Ops Portal

Regional instance requested by:

NGI_AEGIS,
NGI_BG(low priority)
NGI_BY
NGI_CZ

NGI_DE
NGI_GR
NGI_IE

NGI_UK
NGI_Portugal

❑NGI_IT: Satisfied with NGI view on the central instance

❑**NGI_GR**: we already have one regional instance, not sure if it worth the extra effort though, regional views can be used, depending on the ease of use

❑**NGI_CZ** - we are running regional operations portal, but added value is not so big

❑**Portugal**: We are using a regional instance but the added value with respect to central instance is, I would say, not enough to compensate the effort to operate it

❑NGI_NL: No need

❑NGI_FR: Central with regional view

Ops Portal

Other requirements:

❑ 2298 - Prepare a probe for underperforming sites - on-going

❑ 4128 - XML Schema (XSD) for VOID card XML feed - on-going

❑ 3372 - historical view of VO and user trends - improvements

❑ 2190 - VO Information: counting real users within a VO - To be evaluated

❑ 2317 - VO Information: browse resources/information by a specific VO -

❑ Improvements (GLUE2)

❑ 3643- Copying data into CSV from Users metrics tab - open

❑ 4185- new tab to access the Availability Dashboard from the main Operations Portal – open

❑ Possible new requirements for the a/r module

❑ Homogenization of the visualization

❑ Bootstrap as css framework

More info:
https://indico.egi.eu/indico/getFile.py/access?contribId=195&sessionId=39&resId=0&materialId=slides&confId=1019

TJRA1.3 DoW reqs	RT /TF reqs	comment
The central accounting portal will be extended to support regional national deployments that allow NGIs to operate a full and standalone national accounting infrastructure using a national deployment of the accounting repository.		
	the possibility for a regional portal to publish centrally only data for international VOs keeping private those about national VOs	No effort to address this

Accounting repository

- Regionalisation is important (also for scalability problems)
- The accounting system is migrating to the new system
- Once migration to new system complete, a regional version of the repository will be provided.
    - New system implies new EMI3.0 clients
        - Local jobs, mpi jobs, summaries from client
- Regional accounting repo can be deployed after Feb/Apr2013
    - We have it at PQ11 in the development roadmap – we can move to PQ12
- NGI can then collect data from APEL clients, create summaries and publish – to local portal and central APEL repository.

More info:
https://indico.egi.eu/indico/getFile.py/access?contribId=83&sessionId=39&resId=0&materialId=slides
&confId=1019

Other ongoing developments

❑ New Summaries:

- By CE, to enable nagios monitoring by CE as well as by site
- Accounting of parallel and multicore jobs

❑ CAR support (XML)

❑ Additional types of accounting records (cloud, storage, parallel, etc...)

❑ Publishing to Portal plus additional consumers

❑ Integration of new mw

Accounting Portal

❑The Accounting Portal does not need specific development for a local installation

❑The code for the regionalized instance is <u>almost</u> the same as the global instance

Regionalised instance requested by:

NGI_AEGIS
NGI_BG
NGI_BY
NGI_CZ
NGI_GRNET

NGI_HR
NGI_IE
NGI_MARGI
NGI_NDGF
NGI_SI
NGI_UK

Other Accounting Portal main requirements

❑Foreign usage (1603, 3425, 3596)

❑Support to mpi jobs (4071)

❑Addition views (3596)

❑New summary view in home page (3497)

❑User level accounting (3070, 2723)

❑Active/inactive VOs (3067)

❑3245 – not for accounting portal

Regionalisation roadmap proposal

1) **GOCDB**
   - scoped sites + oracle stand alone **by the end of PY3**
     - address the NGIs needs
   - mysql/pgres porting **by the end of PY4**
     - address the DoW (tjra1.2)

2) **Ops Portal**
   - maintain the regional package + start developing regional views connected to the scoped gocdb **by the end of the year**
     - evaluation by the NGIs that are currently deploying it or are interested in regional instance
   - Drop the regional package if evaluation is ok

3) **Accounting repository**
   - start developing a prototype that should be ready **by the end of PY3**
     - Postponing, if necessary cloud, storage and data accounting
   - start deployment **after EMI3 APEL client Feb/Apr2013**

4) **Accounting Portal**: prepare the packaging **by the end of PY3**

SAM regionalisation requirements

DoW reqs	RT /TF reqs	Comment
The visualization portal MyEGI will provide EGI-specific NGI views.		Done
MyEGI will be the place to see availability, reliability, service status of NGI resources		Done
'GridMap style' TreeMap views will be added, showing both regional and global views of the stored data.		Done
	monitoring local sites and services **not** recorded into the GOCDB (2791)	Won't be met probably (effort reasons)
	adding custom probes to the regional instance (2793)	Done with POEM in U17.1 (released)
	using different VOs for different services (2792)	?Done with POEM in U17.1 (released)?

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Main ongoing developments:

❑Major changes in the MyEGI web interface
- ▪addressing feedback received from EGI

❑Operational tools monitoring

❑Preparation for SAM UMD integration
- ▪Planned for SAM Update 20
- ▪Moving from gLite-UI to EMI-Nagios

❑Integration of QCG/MAPPER probes

❑Integration of UNICORE Job and unicore6.StorageFactory

❑POEM bug fixing

Other main RT requirements (probably not met by the end of the project)**:**

❑RT-988: Handling virtual sites for SAM

Other Requirements:

❑Glue2.0 and multiple endpoints in GOCDB (under evaluation)

❑New types of availability reports (NGI, EGI.eu, etc) – was moved to ops portal