

**E-Infrastructure commons
EGI Conference - April 2016**

Operations Portal / Vapor

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ROD Dashboard

- Non-production alarms management: if an alarm is raised on a service which is not production in GOCDDB it will not be visible in the main page
- Improvements of the ticket templates.
- Ergonomic improvements

Security Dashboard

- Creation/ Update of ticket into EGI RTIR;
- Metrics report with timeline
- Improvement of the overview of the security dashboard
- Capture of the worker node information

Metrics

New metric module :

- used for EGI reports
- based on 6 months period
- about users distribution over disciplines, CA , VO, and incoming VOs
- possibility to export data in different formats
- the details by month are available if needed

VO ID cards

- A section dedicated to VO acknowledgment statement has been added in the VO ID Card
- New section in the VO ID Card for Portal/Web Service robot certificates including support for Per-User Sub-Proxies
- Add filter input in the VO update page

VAPOR : Vo Administration and operations PORTal

V2.0 in production since March 15th

- ✓ Job Monitoring
- ✓ Data Management
- ✓ Integrate cloud resources
- ✓ Integrate a resource browser
- ✓ Propose some features of Gstat



Features inherited from the previous version - only ergonomic / look and feel changes

- ✓ Use of scripts to check CE / SE , evaluate SE usages
- ✓ Use of the JobMonitor tool **
- ✓ The different scripts stored results into local files
- ✓ Results are exposed via the Web Service (Lavoisier)
- ✓ Results are available through reports , charts , metrics

- Limited to some VOs : biomed, compchem, enmr.eu , shiwa-workflow.eu, vlemmed, vo.france-grilles.fr, see
- Could be activated for other VO on demand

** configured currently only for biomed, vlemmed, enmr.eu , shiwa-workflow.eu, vo.france-grilles.fr

Job Monitoring Pages provides detailed information about :

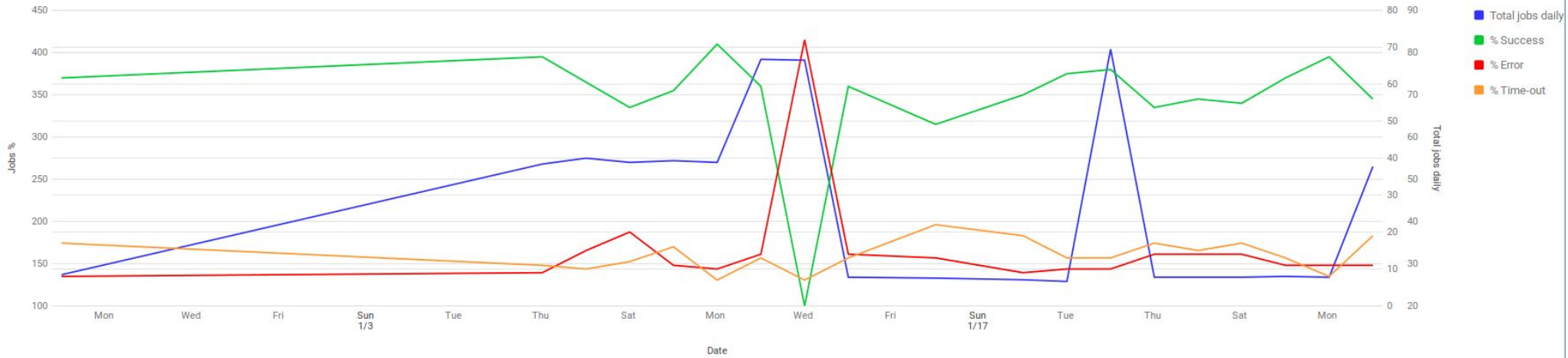
- **Monitoring jobs (by [Tab](#) and [Graph](#))**
 - retrieve results of the monitoring jobs submitted by VAPOR to each CREAM CE queue 4 time(s) a day, during the period selected.
- **[Running and Waiting Job Ratio](#)**
 - Reports the evolution of the number of running jobs (R) and waiting jobs (W), over the selected period of time, for the VO
- **[List of CEs « working fine » at the moment](#)**

Research by period

from 2015-12-27 to 2016-01-27

Percentage of jobs by status Success, Error, Time-out

Percentage of jobs by status Success, Error, Time-out



Average completion time of successful jobs (sec)



- **SE Scan operations and reports** :
 - identify heavily loaded Storage Elements
 - identify heavily users on those SE
- **Dark data and lost files history** :
 - Track **dark data**, i.e. files stored on SEs but no longer registered in the file catalog. Optionally, the dark data files can be automatically deleted from the SE.
 - Track **lost files**, i.e. files registered in the file catalog but with no more physical replicate.

- Information extracted from BDII - GLUE2
- Replacement of Gstat features (partially done)
- 2 versions : full version and light version (“Resources” page on VO MANAGEMENT of the Operations Portal)
- ✓ Distribution of the resources over NGI , Sites and VO.
- ✓ Information about Computing, Storage and other services (VOMS , LFC , BDII)
- ✓ Information about Access/Mapping Policy
- ✓ Information about statuses of the services and the potential downtimes
- ✓ Different format to export information : CSV, XML, Json
- ✓ Information about cloud services
- ✓ Information about bad publications (negative numbers, default values ...)

Browser tabs: git-flow cheatsheet, VAPOR, VAPOR, https://...=biomed, Operations portal, Overview - opera..., Components · B..., git-flow cheatsheet, http://por.../tail.php, http://cco...estricte

Address bar: https://operations-portal.in2p3.fr/vapor_dev/resources/GL2Browser

Navigation: Most Visited, git-flow cheatsheet, Getting Started, Tuto Jobeet Symfony..., Writing a PHPUnit tes..., CSS Colors

Global Resources Browser | Glue2 Browser | Data Management | Job Monitoring | Information | Home

Help

Search filters: NGI, AfricaArabia, Search

AfricaArabia [XML](#) [JSON](#) [CSV](#)

DZ-01-ARN [XML](#) [JSON](#) [CSV](#)

HostName	Service Type	VO or Roles supported
bdii01.grid.arn.dz	bdii_site	VO : N/A Roles : N/A
ce04.grid.arn.dz	org.giite.ce.CREAM	dzgrid /dteam/Role=lcgadmin
lfc.grid.arn.dz-local-lfc	lfc-local-file-catalog	dzgrid Roles : N/A
se01.grid.arn.dz	DPM	eumed Roles : N/A

Showing 1 to 4 of 4 entries

EG-ZC-T3 [XML](#) [JSON](#) [CSV](#)

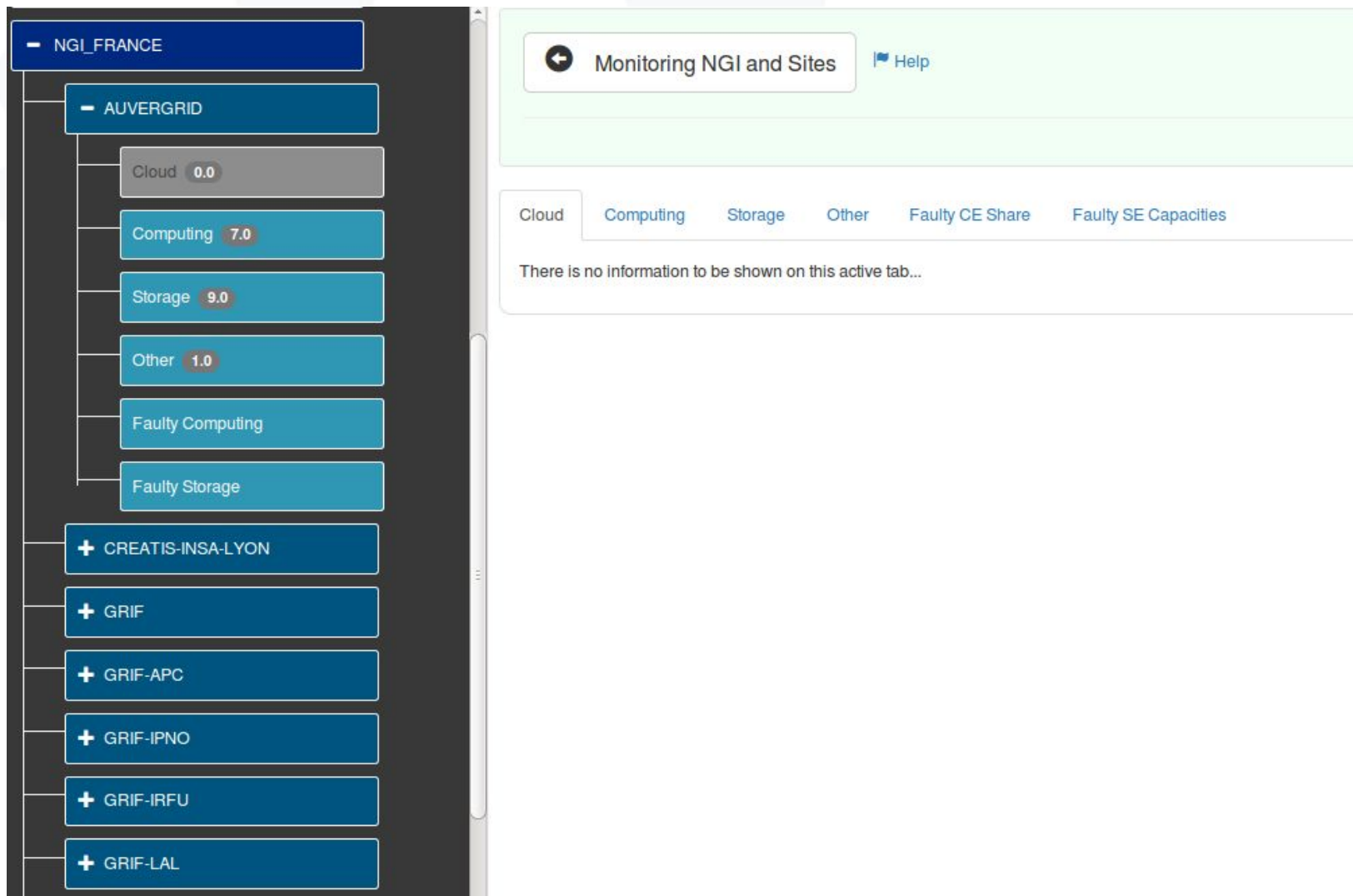
Resources distribution

Show entries

Search:

List of VO	AfricaArabia	AsiaPacific	CERN	IDGF	NGI_AEGIS	NGI_ARMGRID	NGI_BG	NGI_CH	NGI_CHINA	NGI_CZ	NGI_DE	NGI_FI	NGI_FRANCE	NGI_GE	NGI_GRNET	NGI_HR	NGI_HU	NGI_IBERGRID	NGI_IL	NGI_IT	NGI_MARGI	NGI_NDGF	NGI_NL	NGI_PL	NGI_RO	NGI_SI
ops	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
dteam	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
atlas	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✗	✓	✓	✓	✗	✓	✓	✓	✓	✓
cms	✓	✓	✓	✗	✓	✗	✓	✓	✓	✗	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✗	✗
alice	✓	✓	✓	✗	✗	✓	✗	✗	✗	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✗
lhcb	✗	✓	✓	✗	✗	✗	✓	✓	✗	✗	✓	✗	✓	✓	✓	✓	✗	✓	✓	✓	✗	✗	✓	✓	✓	✗
biomed	✓	✗	✗	✗	✗	✗	✓	✗	✓	✗	✓	✗	✓	✓	✓	✓	✗	✓	✗	✓	✓	✗	✓	✓	✗	✗
enmr.eu	✓	✓	✗	✗	✗	✗	✗	✗	✓	✗	✓	✗	✓	✗	✗	✗	✗	✓	✗	✓	✗	✗	✓	✓	✗	✗
auger	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✗	✓	✗	✗	✗	✗	✓	✗	✓	✗	✗	✓	✓	✓	✓
geant4	✗	✓	✓	✗	✗	✗	✗	✗	✗	✗	✓	✗	✓	✗	✓	✗	✗	✗	✓	✓	✗	✗	✓	✓	✗	✗
hone	✗	✗	✗	✗	✗	✗	✗	✓	✗	✓	✓	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✗

GLUE2 Browser : Tree structure



The screenshot displays the GLUE2 Browser interface. On the left is a dark sidebar with a tree structure of nodes. The top node is 'NGI_FRANCE', which is expanded to show 'AUVERGRID'. Under 'AUVERGRID', there are several sub-nodes: 'Cloud' (0.0), 'Computing' (7.0), 'Storage' (9.0), 'Other' (1.0), 'Faulty Computing', and 'Faulty Storage'. Below these are several collapsed nodes: 'CREATIS-INSA-LYON', 'GRIF', 'GRIF-APC', 'GRIF-IPNO', 'GRIF-IRFU', and 'GRIF-LAL'. On the right, a light green header bar contains a back arrow, the text 'Monitoring NGI and Sites', and a 'Help' icon. Below this is a horizontal tab bar with tabs for 'Cloud', 'Computing', 'Storage', 'Other', 'Faulty CE Share', and 'Faulty SE Capacities'. The 'Cloud' tab is active, and the main content area below it displays the message: 'There is no information to be shown on this active tab...'

NGI : NGI_FRANCE || Site : AUVERGRID

- Possibility to hide/show columns
- Possibility to copy and export in data
- Possibility to search on any item

Column visibility Copy Excel

Search:

Site	Share			Endpoint						Jobs							
Site Name	Share Name	Description	Health State	Endpoint Name	URL	Status	Implementation	Entity Creation Time	Middleware	Argus	Running	Max Running	Waiting	Max Waiting	Total	Max Total	Max Tim
AUVERGRID	ops_ops_cirigrice01.univ-bpclermont.fr_ComputingElement	Share of ops for ops	ok	cirigrice01.univ-bpclermont.fr_org.glite.ce.CREAM	https://cirigrice01.univ-bpclermont.fr:8443 /ce-cream/services	production	CREAM 1.16.4	2016-01-27T14:42:38Z	EMI 3.15.0-1.el6	disabled	0	4294967295	0	4294967295	0	4294967295	
AUVERGRID	lhcb_lhcb_cirigrice01.univ-bpclermont.fr_ComputingElement	Share of lhcb for lhcb	ok	cirigrice01.univ-bpclermont.fr_org.glite.ce.CREAM	https://cirigrice01.univ-bpclermont.fr:8443 /ce-cream/services	production	CREAM 1.16.4	2016-01-27T14:42:38Z	EMI 3.15.0-1.el6	disabled	73	4294967295	0	4294967295	73	4294967295	1
AUVERGRID	dteam_dteam_cirigrice01.univ-bpclermont.fr_ComputingElement	Share of dteam for dteam	ok	cirigrice01.univ-bpclermont.fr_org.glite.ce.CREAM	https://cirigrice01.univ-bpclermont.fr:8443 /ce-cream/services	production	CREAM 1.16.4	2016-01-27T14:42:38Z	EMI 3.15.0-1.el6	disabled	0	4294967295	0	4294967295	0	4294967295	1
AUVERGRID	dzero_dzero_cirigrice01.univ-bpclermont.fr_ComputingElement	Share of dzero for dzero	ok	cirigrice01.univ-bpclermont.fr_org.glite.ce.CREAM	https://cirigrice01.univ-bpclermont.fr:8443 /ce-cream/services	production	CREAM 1.16.4	2016-01-27T14:42:38Z	EMI 3.15.0-1.el6	disabled	0	4294967295	0	4294967295	0	4294967295	1
AUVERGRID	biomed_biomed_cirigrice01.univ-bpclermont.fr_ComputingElement	Share of biomed for biomed	ok	cirigrice01.univ-bpclermont.fr_org.glite.ce.CREAM	https://cirigrice01.univ-bpclermont.fr:8443 /ce-cream/services	production	CREAM 1.16.4	2016-01-27T14:42:38Z	EMI 3.15.0-1.el6	disabled	17	4294967295	0	4294967295	17	4294967295	1
AUVERGRID	auvergrid_auvergrid_cirigrice01.univ-bpclermont.fr_ComputingElement	Share of auvergrid for auvergrid	ok	cirigrice01.univ-bpclermont.fr_org.glite.ce.CREAM	https://cirigrice01.univ-bpclermont.fr:8443 /ce-cream/services	production	CREAM 1.16.4	2016-01-27T14:42:38Z	EMI 3.15.0-1.el6	disabled	0	4294967295	0	4294967295	0	4294967295	1
AUVERGRID	france_vo.france-grilles.fr_cirigrice01.univ-bpclermont.fr_ComputingElement	Share of france for vo.france-grilles.fr	ok	cirigrice01.univ-bpclermont.fr_org.glite.ce.CREAM	https://cirigrice01.univ-bpclermont.fr:8443 /ce-cream/services	production	CREAM 1.16.4	2016-01-27T14:42:38Z	EMI 3.15.0-1.el6	disabled	63	4294967295	0	4294967295	63	4294967295	1

Showing 1 to 8 of 8 entries

Previous 1 Next

Next steps

- ✓ Improvements / feedback
- ✓ Automation of deployment with docker / test infrastructure
- ✓ Analysis of Glue2 results vs Glue1.3 (CPU , Storage ...)
- ✓ Complete Replacement of Gstat Features

Links

- URL : <http://operations-portal.egi.eu/vapor>
- Global Help : <http://operations-portal.egi.eu/vapor/globalHelp>
- Contextual help in the different pages

Current and future developments

- ✓ Migration (when possible) from symfony 1.5 to symfony 3 :
 - with a refactorisation of the code
 - Automation of tests
 - Automation of deployment
 - Modules home, vo, downtimes, broadcast - achieved
 - Merge of VO / EGI Management tool - achieved
 - Module Metrics - on-going

- ✓ Use of the **SonarQube** software quality to improve the quality of code and the continuous integration => analysis / actions

- ✓ Integration of Perun User DB

- ✓ AAI integration

How to contact us ?

<https://operations-portal.egi.eu/home/contact>

or

cic-information@cc.in2p3.fr