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Data management and job monitoring

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, vlemed, vo. france-grilles.fr, see
- ■ Could be activated for other VO on demand

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

Job Monitoring

Job Monitoring Pages provides detailed information about :

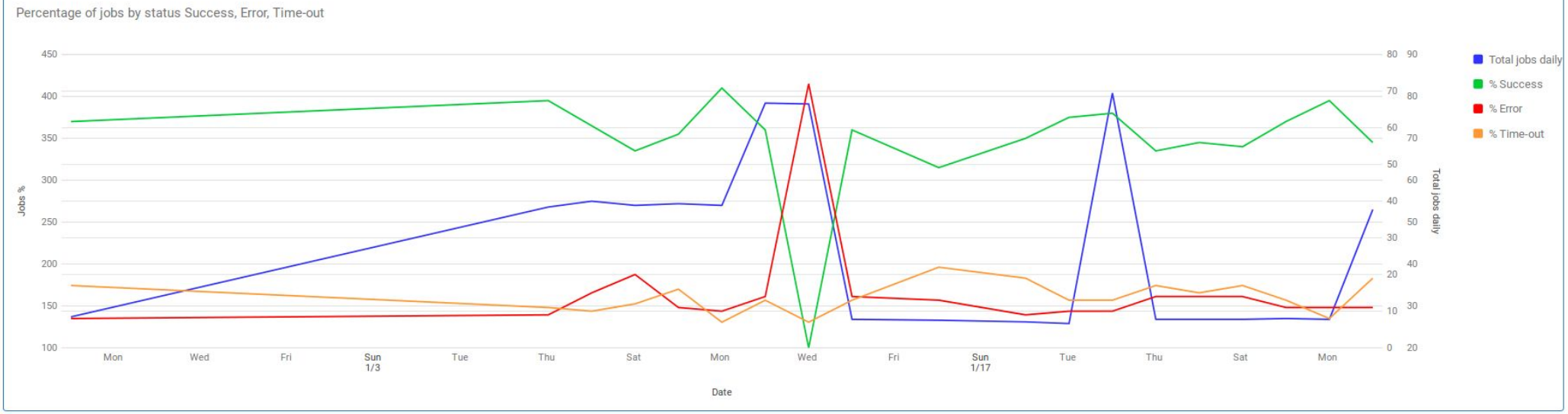
- **Monitoring jobs (by Tab and Graph)**
  - retrieve results of the monitoring jobs submitted by VAPOR to each CREAM CE queue 4 time(s) a day, during the period selected.
- **Running and Waiting Job Ratio**
  - Reports the evolution of the number of running jobs (R) and waiting jobs (W), over the selected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

Job Monitoring

Research by period

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

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



Average completion time of successful jobs (sec)

Data management

- **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.

GLUE2 Resource browser

- New developments
- Information extracted from BDII - GLUE2
- Replacement of Gstat features (partially done)

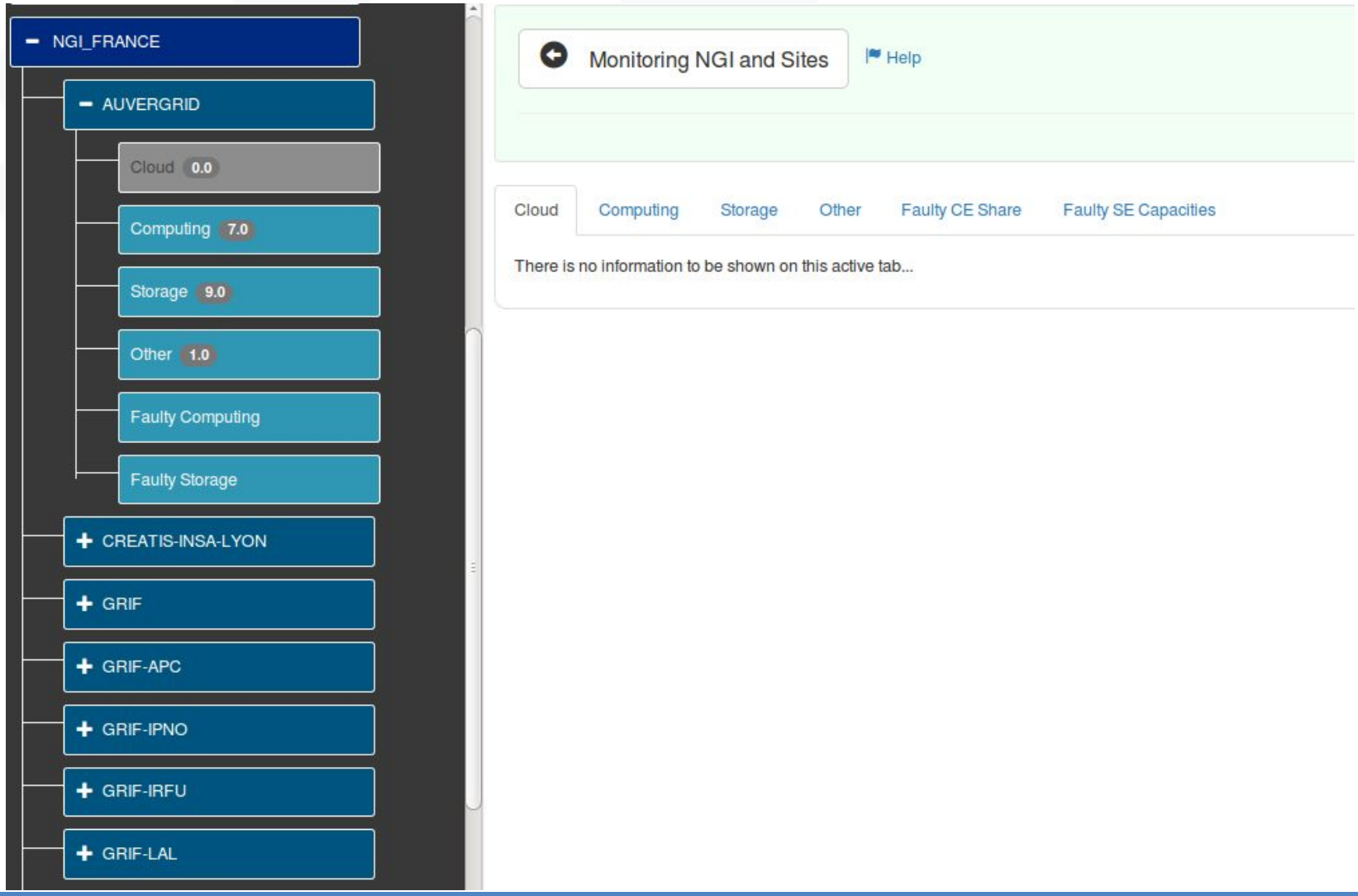
✓ Distribution of the resources over NGI , Sites and VO.
✓ Information about Computing, Storage and other services (VOMS , LFC , BDII)
✓ Information about Access/Mapping Policy
✓ Information about statuses of the services and the potential downtimes
✓ Different format to export information : CSV, XML, Json
✓ Information about cloud services
✓ Information about bad publications (negative numbers, default values …)

Resources distribution

Show 25 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	✓	✓	✓	x	✓	✓	✓	✓	✓	✓	✓	x	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
atlas	✓	✓	✓	x	✓	✓	✓	✓	✓	✓	✓	x	✓	x	✓	✓	x	✓	✓	✓	x	✓	✓	✓	✓	✓
cms	✓	✓	✓	x	✓	x	✓	✓	✓	x	✓	x	✓	✓	✓	✓	✓	✓	✓	✓	x	✓	✓	✓	x	x
alice	✓	✓	✓	x	x	✓	x	x	x	✓	✓	x	✓	✓	✓	✓	✓	✓	✓	✓	x	✓	✓	✓	✓	x
lhcb	x	✓	✓	x	x	x	✓	✓	x	x	✓	x	✓	✓	✓	✓	x	✓	✓	✓	x	x	✓	✓	✓	x
biomed	✓	x	x	x	x	x	✓	x	✓	x	✓	x	✓	✓	✓	✓	x	✓	x	✓	✓	x	✓	✓	x	x
enmr.eu	✓	✓	x	x	x	x	x	x	✓	x	✓	x	✓	x	x	x	x	✓	x	✓	x	x	✓	✓	x	x
auger	x	x	x	x	x	x	x	x	x	✓	✓	x	✓	x	x	x	x	✓	x	✓	x	x	✓	✓	✓	✓
geant4	x	✓	✓	x	x	x	x	x	x	x	✓	x	✓	x	✓	x	x	x	✓	✓	x	x	✓	✓	x	x
hone	x	x	x	x	x	x	x	✓	x	✓	✓	x	✓	x	x	x	x	x	x	x	x	x	✓	✓	✓	x

GLUE2 Browser : Tree structure



GLUE Browser : Table presentation

Cloud | Computing | Storage | Other | Faulty CE Share | Faulty SE Capacities

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	Ma: Tim
AUVERGRID	ops_ops_cirigridce01.univ-bpclermont.fr_ComputingElement Supported VO	Share of ops for ops	ok	cirigridce01.univ-bpclermont.fr_org.glite.ce.CREAM	https://cirigridce01.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	lhcb_lhcb_cirigridce01.univ-bpclermont.fr_ComputingElement Supported VO	Share of lhcb for lhcb	ok	cirigridce01.univ-bpclermont.fr_org.glite.ce.CREAM	https://cirigridce01.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_cirigridce01.univ-bpclermont.fr_ComputingElement Supported VO	Share of dteam for dteam	ok	cirigridce01.univ-bpclermont.fr_org.glite.ce.CREAM	https://cirigridce01.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_cirigridce01.univ-bpclermont.fr_ComputingElement Supported VO	Share of dzero for dzero	ok	cirigridce01.univ-bpclermont.fr_org.glite.ce.CREAM	https://cirigridce01.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_cirigridce01.univ-bpclermont.fr_ComputingElement Supported VO	Share of biomed for biomed	ok	cirigridce01.univ-bpclermont.fr_org.glite.ce.CREAM	https://cirigridce01.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_cirigridce01.univ-bpclermont.fr_ComputingElement Supported VO	Share of auvergrid for auvergrid	ok	cirigridce01.univ-bpclermont.fr_org.glite.ce.CREAM	https://cirigridce01.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_cirigridce01.univ-bpclermont.fr_ComputingElement	Share of france for vo.france-grilles.fr	ok	cirigridce01.univ-bpclermont.fr_org.glite.ce.CREAM	https://cirigridce01.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

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EGI-ENGAGE

Links

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