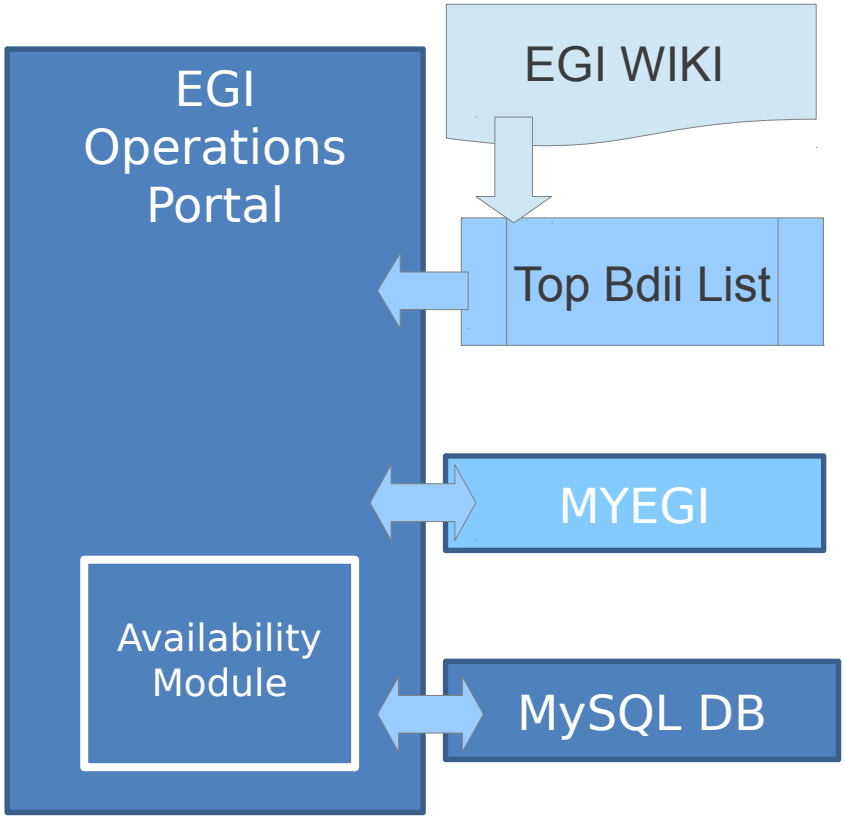
“Availabilities/Reliabilites into the Operations Portal”

- Availabilities / Reliabilities Module
  - Top BDII : method and web interface
  - Sites : method and web interface
- Availability probe
  - Current work
  - Next step

Method : Top Bdii Availability



1. Parse the wiki [R1]
2. Build Bdii List per NGI
3. Query MyEGI PI foreach Top-BDII [R2]
4. Compute the summary with algorithm described in [R1]
5. Store summary + details in the DB
6. Expose the summary and the details in the Availability module

Interface : Top Bdii Availability

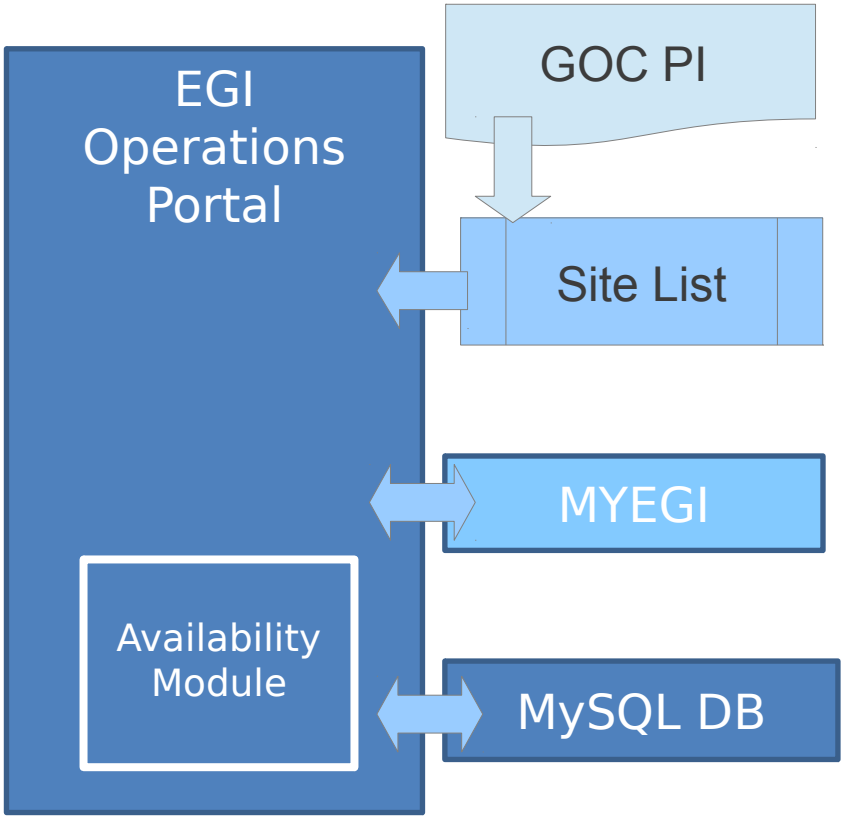
- https://operations-portal.egi.eu/availability/topbdiiList

- Availability / Reliability per month (1)
- Gantt or Zoomline chart of all Ngi (2) or a selected NGI
- Access to the hourly detail via a gantt chart (3)

Availabilities and Reliabilities per Month (2)

NGI	LINE CHART	GANTT CHART	TOP-BDII(S)	2012-01 (1)		2012-02 (1)	
				AVAILABILITY	RELIABILITY	AVAILABILITY	RELIABILITY
Armenia			bdii.grid.am	Unknown	Unknown	Unknown	Unknown
AsiaPacific			bdii.grid.sinica.edu.tw	(3) 96.51	97.55	96.73	97.15
Austria			egee-bdii.cnaf.infn.it	100.00	100.00	100.00	100.00

Method : Site Availability



1. Parse the get_site method [R3]
2. Build Site List per NGI
3. Query MyEGI PI foreach site [R4]
4. Compute the availabilities [R5]
5. Store summary + details in the DB
6. Expose the summary and the details in the Availability module

Interface : Site Availability

- https://operations-portal.egi.eu/availability/siteAvailabilities

- Availability / Reliabilities of the site on the last 30 days
- Access to the daily details via a line chart (1) , a gantt chart (2) or a table (3)

SITE	NGI	LINE CHART	GANTT CHART	AVAILABILITY	RELIABILITY	UPDATED AT
AEGIS01-IPB-SCL	NGI_AEGIS	(1)	(2)	100.00 (3)	100.00	2012-07-06 10:47:20
AEGIS02-RCUB	NGI_AEGIS			93.96	93.96	2012-07-06 10:47:19
AEGIS03-ELEF-LEDA	NGI_AEGIS			93.07	93.07	2012-07-06 10:47:19

Availability probe

Current work

- The availabilites / reliabilities numbers are available :
  - in the availability module : https://operations-portal.egi.eu/availability/siteAvailabilities
  - in the dashboard in the site header with a link to the availability module with a warning level at 75 % (yellow color) and a critical level at 70 % (red color) .

Remaining work

- The probe is not generating alarms
- This work will be integrated in September
- Generate A/R numbers for any date .

References

[R1] TOP BDII wiki - https://wiki.egi.eu/wiki/Top-BDII_list_for_NGI

- List of top BDII per NGI
- Algorithm of the TOP BDII availability / reliability

[R2] Example of query to MyEGI PI for the Top-Bdii A/R

- http://grid-monitoring.cern.ch/myegi/sam-pi/service_availability_in_profile?vo_name=ops&profile_name=ROC&type=HOURLY&service_flavour=Top-BDII&start_time=$start_time&end_time=$end_time&service_hostname=$host

[R3] get_site method from GOC DB

- https://next.gocdb.eu/gocdbpi/private/?method=get_site

[R4] – Example of query to MyEGI PI for the Site A/R

- http://grid-monitoring.cern.ch/myegi/sam-pi/group_availability_in_profile?vo_name=ops&profile_name=ROC&type=DAILY&start_time=$time1&end_time=$time&group_type=Site&group_name=$site

[R5] – Site Availability Algorithm

- Site Availability [Last 30 days] = Sum (Daily Availability) / 30