

## EGI SAM-NAGIOS Server integrating EMI probes TESTBED 002 2012 :

### Testbed Case Applicant Details:

Testbed Applicant	Product Teams involved or potentially interested	Testing period and estimated duration
Danilo Dongiovanni / Marian Babik (EGI JRA1)	EMI-SA2,6 / EGI JRA1EMIR	6-8 weeks

### Testbed Case Detailed description:

#### 1. Testing Use Case:

- ◆ Before the EGI SAM NAGIOS integrating new EMI probes can be deployed in a real production environment, we need to test the integration with a new version of SAM-NAGIOS.
- ◆ Some past reference: EGI-EMI Agreement meeting [☞](#)

#### 2. Testbed Required Resources:

- ◆ CERN will provide an instance within EMI-Testbed, for EGI JRA1 people to work on. 1 Activity:
- ◆ Once the CERN Instance is ready EGI-JRA1 team will be granted access to it
- ◆ EGI-JRA1 team will install the provided metapackage and work on the SAM-NAGIOS server upgrade
- ◆ Bugs found in EMI metapackage / probes will be notified by GGUS tickets
- ◆ Expected final result: a SAM-NAGIOS server instance working with new EMI nagios probes and configured to get topology from EMI Testbed bdii.

### Testbed Case Required Resources :

List of EMI components to be deployed in the testbed infrastructure	Expected number of instances per component per site	Versions/Platform to be deployed per product/component	Platform
SAM-Nagios Server	emi2rc-sl5-ui	LogBook	SL5 X86_64 with EPEL
SAM-Nagios Server	emi2rc-sl6-ui	LogBook	SL6 X86_64 with EPEL

### Testbed Case Resources Configuration:

Network requirements	Accessibility requirements	Component configuration	Needed Grid User accounts	Supported Virtual Organization	fake CA or certificates
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### Setup /Participant Sites :

CERN: EGI + EMI INFN-CNAF: EMI

## Related Tasks / Tickers

1. EMI-NAGIOS:
  - ◆ [https://ggus.eu/tech/ticket\\_show.php?ticket=91905](https://ggus.eu/tech/ticket_show.php?ticket=91905) - emi-nagios should include package nordugrid-arc-nagios-plugins-doc
2. CREAMCE:
  - ◆ [https://ggus.eu/tech/ticket\\_show.php?ticket=93251](https://ggus.eu/tech/ticket_show.php?ticket=93251) - Unable to submit CREAM direct jobs (invalid name "ops.Role=lcgadmin" in path) - Open
  - ◆ [https://ggus.eu/ws/ticket\\_info.php?ticket=91627](https://ggus.eu/ws/ticket_info.php?ticket=91627) - emi.wn.WN-SoftVer unable to recognize EMI versions - Open
  - ◆ [https://ggus.eu/ws/ticket\\_info.php?ticket=93068](https://ggus.eu/ws/ticket_info.php?ticket=93068) - 'CREAMTYPES:JobStatusRequest' not implemented - Open
  - ◆ [https://ggus.eu/ws/ticket\\_info.php?ticket=91683](https://ggus.eu/ws/ticket_info.php?ticket=91683) - CREAMCE probe command line arguments - Open
  - ◆ [https://ggus.eu/ws/ticket\\_info.php?ticket=88879](https://ggus.eu/ws/ticket_info.php?ticket=88879) - emi-creamce probe fails to submit jobs - Resolved (released in EMI2 UP8)
  - ◆ [https://ggus.eu/ws/ticket\\_info.php?ticket=89287](https://ggus.eu/ws/ticket_info.php?ticket=89287) - emi-cream-nagios-1.0.0-5 service type change - Resolved (released in EMI3)
  - ◆ [https://ggus.eu/ws/ticket\\_info.php?ticket=88820](https://ggus.eu/ws/ticket_info.php?ticket=88820) - Missing dependencies of emi-cream-nagios package - Resolved (released in EMI3)
3. DPM (Rep):
  - ◆ [https://ggus.eu/ws/ticket\\_info.php?ticket=88835](https://ggus.eu/ws/ticket_info.php?ticket=88835) - WN replication tests in emi-nagios - accepted by DPM PT provided that 91683 is fixed
4. DCache (SRM):
  - ◆ [https://ggus.eu/ws/ticket\\_info.php?ticket=88753](https://ggus.eu/ws/ticket_info.php?ticket=88753) - emi.dcache.srm-probes missing dependencies on gfal and lcg-util - Resolved (released in EMI3)
5. LFC, FTS:
  - ◆ [https://ggus.eu/ws/ticket\\_info.php?ticket=89056](https://ggus.eu/ws/ticket_info.php?ticket=89056) - Missing dependencies of nagios-plugins-fts package - Resolved (released in EMI2 UP8)
  - ◆ [https://ggus.eu/ws/ticket\\_info.php?ticket=91628](https://ggus.eu/ws/ticket_info.php?ticket=91628) - Missing LFC tests - Resolved in EPEL
6. ARC:
  - ◆ [https://ggus.eu/tech/ticket\\_show.php?ticket=92869](https://ggus.eu/tech/ticket_show.php?ticket=92869) - ARC probes should not use positional arguments - Open
  - ◆ [https://ggus.eu/tech/ticket\\_show.php?ticket=92870](https://ggus.eu/tech/ticket_show.php?ticket=92870) - Provide arcnagios.ini configuration - Open
  - ◆ [https://ggus.eu/ws/ticket\\_info.php?ticket=91900](https://ggus.eu/ws/ticket_info.php?ticket=91900) - nordugrid-arc-nagios-plugins should depend on package glue-schema fixed in svn
  - ◆ [https://ggus.eu/tech/ticket\\_show.php?ticket=91904](https://ggus.eu/tech/ticket_show.php?ticket=91904) - Bug in check\_arcinfosys when using -t argument fixed in svn
  - ◆ [https://ggus.eu/ws/ticket\\_info.php?ticket=88829](https://ggus.eu/ws/ticket_info.php?ticket=88829) - ARC probes migration - Closed
7. LB:
  - ◆ [https://ggus.eu/tech/ticket\\_show.php?ticket=91901](https://ggus.eu/tech/ticket_show.php?ticket=91901) - emi-lb-nagios-plugins should include dependency glite-lb-client-progs
  - ◆ [https://ggus.eu/tech/ticket\\_show.php?ticket=91902](https://ggus.eu/tech/ticket_show.php?ticket=91902) - LB-probe to receive proxy as argument
  - ◆ [https://ggus.eu/tech/ticket\\_show.php?ticket=91903](https://ggus.eu/tech/ticket_show.php?ticket=91903) - LB-probe TMPDIR ownership should be nagios:nagios
8. GLEXEC:
  - ◆ [https://ggus.eu/ws/ticket\\_info.php?ticket=89319](https://ggus.eu/ws/ticket_info.php?ticket=89319) - nagios-plugins-emi.glexec missing nagios services.cfg and commands.cfg - Closed
9. Argus:
  - ◆ [https://ggus.eu/ws/ticket\\_info.php?ticket=93252](https://ggus.eu/ws/ticket_info.php?ticket=93252) - Argus-probes TMPDIR ownership should be nagios:nagios Resolved
10. [https://ggus.eu/ws/ticket\\_info.php?ticket=88833](https://ggus.eu/ws/ticket_info.php?ticket=88833) - SL6 build of emi-nagios - Resolved
11. EMI-SA2-6 Savannah Tracker Task

## HOWTO install EMI metapackage

INSTALLATION DETAILS:

OS SL5

TESTING repo:

<https://twiki.cern.ch/twiki/pub/EMI/EMI2Updates/emi-2-testing-sl5.repo>

```
yum install emi-nagios
yum install fetch-crl
/opt/glite/yaim/bin/yaim -d 6 -c -s site-info.def -n NAGIOS
```

with a very basic UI style site-info.def

```
# cat site-info.def
PX_HOST=emitb2.ics.muni.cz
BDII_HOST=certtb-bdii.cern.ch
USERS_CONF=/root/siteinfo/users.conf
GROUPS_CONF=/root/siteinfo/groups.conf
BDII_DELETE_DELAY=0
# Site-wide settings
SITE_NAME="emi-testbed-cnaf"
SITE_DESC="EMI Integration Testbed site INFN-CNAF"
SITE_SUPPORT_EMAIL="root@localhost"
SITE_SECURITY_EMAIL="root@localhost"
SITE_LOC="Bologna, Italy"
SITE_WEB="http://www.italiangrid.it/"
SITE_LAT=42.0
SITE_LONG=11.0
VOS="testers.eu-emi.eu testers2.eu-emi.eu cms dteam infngrid"
```

Find more here [EMI Nagios Documentation](#) and here

## Tests Logbook / Feedbacks :

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This topic: [EMI > NagiosServerEMITestbed0022012](#)

Topic revision: r29 - 2013-04-18 - PalomaFuente



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