

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 - emi-nagios should include package nordugrid-arc-nagios-plugins-doc
2. CREAMCE:
 - ◆ 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 - emi.wn.WN-SoftVer unable to recognize EMI versions - Open
 - ◆ https://ggus.eu/ws/ticket_info.php?ticket=93068 - 'CREAMTYPES:JobStatusRequest' not implemented - Open
 - ◆ https://ggus.eu/ws/ticket_info.php?ticket=91683 - CREAMCE probe command line arguments - Open
 - ◆ 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 - emi-cream-nagios-1.0.0-5 service type change - Resolved (released in EMI3)
 - ◆ 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 - 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 - 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 - Missing dependencies of nagios-plugins-fts package - Resolved (released in EMI2 UP8)
 - ◆ 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 - ARC probes should not use positional arguments - Open
 - ◆ https://ggus.eu/tech/ticket_show.php?ticket=92870 - Provide arcnagios.ini configuration - Open
 - ◆ 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 - Bug in check_arcinfosys when using -t argument fixed in svn
 - ◆ https://ggus.eu/ws/ticket_info.php?ticket=88829 - ARC probes migration - Closed
7. LB:
 - ◆ 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 - LB-probe to receive proxy as argument
 - ◆ 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 - nagios-plugins-emi.glexec missing nagios services.cfg and commands.cfg - Closed
9. Argus:
 - ◆ 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 - 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 :

This topic: [EMI > NagiosServerEMITestbed0022012](#)

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