

**Quality Criteria Verification
Executive Summary
For QCV, Stage Rollout, DMSU and EGI internal**

Name of the component	SAM		
Release	U15	RT Ticket	#3099
Software Provider	JRA1		
Release Contact	Name:	E-Mail	
	Daniele Cesini, daniele.cesini@cnaif.infn.it		
Validator	Name:	E-Mail	
	Esteban Freire, esfreire@cesga.es		
V. Hours Worked	12		
Component status	Verified	Date	
Verification start date	09/11/11	Verification end date	09/11/11

Summary:

The new SAM U15 was updated and configured in the verification machine (test23.egi.cesga.es) without any relevant issue. Although, it were open the following ggus tickets:

GGUS Tickets:

- Generating Java truststore for UNICORE probes fails in SAM-U15 in verification, https://ggus.eu/ws/ticket_info.php?ticket=76178
- Got a warning with "POEM_SYNC" after doing SAM-U15 in verification , https://ggus.eu/ws/ticket_info.php?ticket=76178

Despite these issues, Nagios tests are beeing passed OK for the Nagios machine, <https://test23.egi.cesga.es/nagios/cgi-bin/status.cgi?host=test23.egi.cesga.es> , it is only with a warning to "**ch.cern.sam.POEMSync**" probe.

Besides, probes for the rest of testbed services seem OK, <https://test23.egi.cesga.es/nagios/>. This will be also commented in "**Comments for SR**" section.

Summary of Quality Criteria verification:

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
TP				
VLD	17	0	0	17
	Specific Quality Criteria			
TP				
VLD	24	0	0	24

Quality Criteria verification cheatsheet:

<Insert filled excel cheatsheet>

Generic QC

GENERIC_DOC_1 (Functional Description)	Y	VLD	
GENERIC_DOC_2 (Release Notes)	Y	VLD	https://tomtools.cern.ch/confluence/display/SAMDOC/Update-15
GENERIC_DOC_3 (User Documentation)	Y	VLD	https://tomtools.cern.ch/confluence/display/SAMDOC/User%27s+Guide
GENERIC_DOC_4 (Online help (man pages))	Y	VLD	https://tomtools.cern.ch/confluence/display/SAMDOC/FAQs
GENERIC_DOC_5 (API Documentation)	Optional		
GENERIC_DOC_6 (Administrator Documentation)			https://tomtools.cern.ch/confluence/display/SAMDOC/Administrator%27s+Guide
GENERIC_DOC_7 (Service Reference Card)	Y	VLD	https://tomtools.cern.ch/confluence/display/SAMDOC/SAM-Nagios+Card
GENERIC_DOC_8 (Software License)	Y	VLD	https://wiki.egi.eu/wiki/EGI-InSPIRE_Software_Copyrights_and_Licenses
GENERIC_DOC_9 (Release changes testing)	Y	VLD	https://tomtools.cern.ch/confluence/display/SAMDOC/Update-15
GENERIC_DIST_1 (Source Code Availability)	Y	VLD	http://svnweb.cern.ch/guest/sam/
GENERIC_DIST_2 (Source Distribution)	Y	VLD	
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	
GENERIC_SERVICE_1 (Service control and status)	Y	VLD	
GENERIC_SERVICE_2 (Log Files)	Y	VLD	
GENERIC_SERVICE_3 (Service Reliability)	Y	VLD	
GENERIC_SERVICE_4 (Service Robustness)	Y	VLD	
GENERIC_SERVICE_4 (Automatic Configuration)	Y	VLD	
GENERIC_SEC_1 (World Writable Files)	Y	VLD	
GENERIC_SEC_2 (Directory Traversal Attacks testing)	Optional		
GENERIC_MISC_2 (Bug Tracking System)	Y	VLD	

Security Capabilities QC

AUTHN_IFACE_1 (X.509 Certificate support)	Y	VLD	
AUTHN_IFACE_2 (SAML authentication)	Optional		
AUTHN_DELEG_1 (Delegation Interface)	TBD		
AUTHZ_PCYDEF_3 (Ban UserFQAN)	Y	VLD	
AUTHZ_PCYDEF_4 (Allowed users definition)	Y	VLD	
AUTHZ_PEP_1 (Policy Enforcement)	Y	VLD	
AUTHZ_PEP_2 (User Mapping)	Y	VLD	

Information Capabilities QC

INFOMODEL_SCHEMA_1 (GlueSchema Support)	Y	VLD	<code>ldapsearch -p 2170 -x -LLL -h test23.egi.cesga.es -b O=grid</code>
INFODISC_IFACE_1 (Information Discovery Interface)	Y	VLD	<code>ldapsearch -p 2170 -x -LLL -h test23.egi.cesga.es -b O=grid</code>

Operations Capabilities QC

MON_NCG_1 (Generation of Nagios Configuration Files)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_NCG_2 (Generation of Failover Nagios Configurati	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_PORTAL_1 (Resource Summary View)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_PORTAL_2 (Resource Detail View)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_PORTAL_3 (Resource Historical View)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_PORTAL_4 (Resource Filters)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_PORTAL_5 (Responsiveness)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_PORTAL_6 (Linkable Views)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_DB_1 (Metric List Fetching)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_DB_2 (Resource List Fetching)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_PROBE_1 (Probe Template)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_PROBE_GENERIC_1 (Certificate Lifetime Probe)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_PROBE_GENERIC_2 (Service Probe)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_PROBE_JOBEXEC_1 (Job Execution Probe)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_PROBE_JOBEXEC_2 (CREAM Job Execution Pr	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_PROBE_JOBEXEC_3 (WN Probes)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_PROBE_JOBSCH_1 (WMS Probes)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_PROBE_STORAGE_1 (SRM Probes)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios
MON_PROBE_METADATA_1 (LFC Probes)	Y	VLD	Probes available at test machine https://test23.egi.cesga.es:443/nagios

Validator comments:

== Installation OK ==

=== Used repository ===

{{{

[root@test23 yum.repos.d]# cat sam.repo

```
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) -  
(3099,393,313)
```

```
[egi-sam]
```

```
name=EGI SAM repo
```

```
baseurl=http://admin-repo.egi.eu/sw/unverified/sam/1/15/0/$basearch
```

```
enabled=1
```

```
priority=10
```

```
gpgcheck=0
```

```
}}}
```

== Installed packages ==

{{{

Nov 08 18:10:49 Updated: grid-monitoring-config-gen-0.86.2-1.el5.noarch

Nov 08 18:10:50 Updated: grid-monitoring-org.nagiosexchange-probes-0.19-1.el5.x86_64

Nov 08 18:10:52 Updated: glite-yaim-nagios-1.5.30-1.el5.noarch

Nov 08 18:10:53 Updated: grid-monitoring-probes-hr.srce-0.34.1-1.el5.noarch

Nov 08 18:10:54 Updated: unicore-monitoring-probes-2.0.1-1.noarch

Nov 08 18:10:58 Updated: mywlcg-0.0.4-8.el5.noarch
Nov 08 18:11:00 Updated: atp-1.20.9-1.el5.noarch
Nov 08 18:11:02 Updated: atp-web-1.20.9-1.el5.noarch
Nov 08 18:11:02 Updated: sam-release-1.15.0-1.el5.noarch
Nov 08 18:11:03 Updated: grid-monitoring-probes-ch.cern.sam-1.5.0-1.el5.noarch
Nov 08 18:11:04 Installed: poem-sync-0.7.7-1.el5.noarch
Nov 08 18:11:08 Installed: mrs-1.3.10-1.el5.noarch
Nov 08 18:11:10 Installed: poem-0.7.7-1.el5.noarch
Nov 08 18:11:12 Updated: mddb-1.0.14-1.el5.noarch
Nov 08 18:11:12 Updated: mddb-synchronizer-1.0.14-1.el5.noarch
Nov 08 18:11:13 Installed: grid-monitoring-probes-eu.egi.sec-1.0.0-1.el5.noarch
Nov 08 18:11:14 Updated: voms2htpasswd-1.11.0-1.el5.noarch
Nov 08 18:11:14 Updated: sam-nagios-1.15.3-1.el5.noarch
Nov 08 18:11:18 Erased: grid-monitoring-probes-org.sam.sec
Nov 08 18:11:35 Erased: nagios2metricstore
}}}

== Configuration (OK, but with errors) ==

{{{

/opt/glite/yaim/bin/yaim -s /opt/glite/yaim/etc/site-info.def -c -n glite-UI -n glite-NAGIOS

[.....]

INFO: (Re-)starting msg-to-handler service

Stopping msg-to-handler: ESC[60G[ESC[0;32m OK ESC[0;39m]

Starting msg-to-handler: ESC[60G[ESC[0;32m OK ESC[0;39m]

INFO: Executing function: config_ncg_setenv

INFO: Detecting environment

DEBUG: Detect platform: OS flavour detected is: redhat

DEBUG: Detected architecture is 64BIT

DEBUG: Detect platform: OS type detected: sl5

DEBUG: Detect platform: The gLite version detected is: 32

DEBUG: Detect platform: VDT version detected is: 1.10

INFO: The Glite version detected is 32

INFO: Executing function: config_ncg

INFO: Generating Java truststore for UNICORE probes, may take a few minutes...

Usage: keytool [COMMAND] [-- COMMAND]...

Manage private keys and public certificates.

Available commands:

-genkey Generate a Key Entry, eventually creating a key store.

[-alias ALIAS] [-keyalg ALGORITHM] [-keysize KEY_SIZE]

[-sigalg ALGORITHM] [-dname NAME] [-keypass PASSWORD]

[-validity DAY_COUNT] [-storetype STORE_TYPE]

[-keystore URL] [-storepass PASSWORD]

[-provider PROVIDER_CLASS_NAME] [-v].

-import Add Key Entries and Trusted Certificates.

[-alias ALIAS] [-file FILE] [-keypass PASSWORD]

[-noprompt] [-trustcacerts] [-storetype STORE_TYPE]

[-keystore URL] [-storepass PASSWORD]

[-provider PROVIDER_CLASS_NAME] [-v].

-selfcert Generate a self-signed Trusted Certificate.

[-alias ALIAS] [-sigalg ALGORITHM] [-dname NAME]

[-validity DAY_COUNT] [-keypass PASSWORD]

[-storetype STORE_TYPE] [-keystore URL]

[-storepass PASSWORD] [-provider PROVIDER_CLASS_NAME] [-v].

-identitydb NOT IMPLEMENTED YET. Import JDK1.1 Identity Database.

[-file FILE] [-storetype STORE_TYPE] [-keystore URL]

[-storepass PASSWORD] [-provider PROVIDER_CLASS_NAME] [-v].

-certreq Issue a Certificate Signing Request (CSR).

[-alias ALIAS] [-sigalg ALGORITHM] [-file FILE]

[-keypass PASSWORD] [-storetype STORE_TYPE] [-keystore URL]

[-storepass PASSWORD] [-provider PROVIDER_CLASS_NAME] [-v]

[-attributes].

-export Export a Certificate from a key store.

[-alias ALIAS] [-file FILE] [-storetype STORE_TYPE]

[-keystore URL] [-storepass PASSWORD]

[-provider PROVIDER_CLASS_NAME] [-rfc] [-v].

-list Print one or all Certificates in a key store to STDOUT.

[-alias ALIAS] [-storetype STORE_TYPE] [-keystore URL]

[-storepass PASSWORD] [-provider PROVIDER_CLASS_NAME]

[-rfc] [-v].

-printcert Print a human-readable form of a Certificate in a FILE.

[-file FILE] [-v].

-keyclone Clone a Key Entry in a key store.

[-alias ALIAS] [-dest ALIAS] [-keypass PASSWORD]
[-new PASSWORD] [-storetype STORE_TYPE] [-keystore URL]
[-storepass PASSWORD] [-provider PROVIDER_CLASS_NAME] [-v].

-storepasswd Change the password protecting a key store.

[-new PASSWORD] [-storetype STORE_TYPE] [-keystore URL]
[-storepass PASSWORD] [-provider PROVIDER_CLASS_NAME] [-v].

-keypasswd Change the password protecting a Key Entry in a key store.

[-alias ALIAS] [-keypass PASSWORD] [-new PASSWORD]
[-storetype STORE_TYPE] [-keystore URL]
[-storepass PASSWORD] [-provider PROVIDER_CLASS_NAME] [-v].

-delete Delete a Key Entry or a Trusted Certificate from a key store.

[-alias ALIAS] [-storetype STORE_TYPE] [-keystore URL]
[-storepass PASSWORD] [-provider PROVIDER_CLASS_NAME] [-v].

-cacert Import a CA's Trusted Certificate.

[-file FILE] [-storetype STORE_TYPE] [-keystore URL]
[-storepass PASSWORD] [-provider PROVIDER_CLASS_NAME] [-v].

Standard options:

- help** print this help, then exit
- version** print version number, then exit
- JOPTION** pass argument to the Java runtime

Please report bugs at <http://www.gnu.org/software/classpath/bugs.html>

Usage: keytool [COMMAND] [-- COMMAND]...

Manage private keys and public certificates.

[...]

Running configuration check...done.

Stopping nagios: .done.

Starting nagios: done.

DEBUG: Skipping function: config_bdii_only_setenv because it is not defined

INFO: Executing function: config_bdii_only

Stopping update process: [OK]

Stopping SLAPD: [OK]

Starting SLAPD: [OK]

Starting update process: [OK]

INFO: Configuration Complete. [OK]

INFO: YAIM terminated succesfully.

}}}}

* I opened a ggus ticket because the issue "Generating Java truststore for UNICORE probes" when configuring with yaim, https://ggus.eu/ws/ticket_info.php?ticket=76178

* I also opened another ggus ticket because I get a warning with "POEM_SYNC", https://ggus.eu/ws/ticket_info.php?ticket=76179

== Checking nagios functionality (OK, but with errors) ==

* Nagios tests are being passed ok for the Nagios machine,
<https://test23.egi.cesga.es/nagios/cgi-bin/status.cgi?host=test23.egi.cesga.es> , it is only failing the "ch.cern.sam.POEMSync" probe.

* Probes for the testbed services seem ok, <https://test23.egi.cesga.es/nagios/>

* Checking ldap, OK.

```
{{{
```

```
[root@ce2 ~]# ldapsearch -x -LLL -h test23.egi.cesga.es -p 2170 -b Mds-Vo-  
Name=resource,O=grid "(GlueServiceType=*-NAGIOS)" GlueServiceEndpoint
```

```
dn: GlueServiceUniqueID=test23.egi.cesga.es_Site-NAGIOS_2088864378,Mds-Vo-  
name
```

```
=resource,o=grid
```

```
GlueServiceEndpoint: https://test23.egi.cesga.es:443/nagios
```

```
}}}
```

```
{{{
```

```
ldapsearch -p 2170 -x -LLL -h test23.egi.cesga.es -b O=grid
```

```
}}}
```

Not applicable Quality Criteria

Specific Functional Tests to be repeated in SR:

Test number	Description	Motivation

Specific Non-functional tests (Scalability, etc...) to be repeated in SR:

Test number	Description	Motivation

Comments for UMD QC definition (TSA2.2):

- Review criteria xxxx
- Add criteria xxxx

Comments for SR (TSA1.3):

It were open the following ggus tickets:

- Generating Java truststore for UNICORE probes fails in SAM-U15 in verification, https://ggus.eu/ws/ticket_info.php?ticket=76178
- Got a warning with "POEM_SYNC" after doing SAM-U15 in verification , https://ggus.eu/ws/ticket_info.php?ticket=76178

Despite these issues, Nagios tests are beeing passed OK for the Nagios machine, <https://test23.egi.cesga.es/nagios/cgi-bin/status.cgi?host=test23.egi.cesga.es> , it is only with a warning to "ch.cern.sam.POEMSync" probe.

Besides, probes for the rest of testbed services seem OK, <https://test23.egi.cesga.es/nagios/>.

Comments for DMSU (TSA2.5):

Comments for TP: