

Quality Criteria Verification Report

| | | | |
|--------------------------|--|------------------|----------|
| Product | CA update, version 1.62-1 | Release | 1.62-1 |
| Software Provider | EGI-IGTF | RT Ticket | #8235 |
| Provider contact | David Groep (egi-igt-liaison@nikhef.nl) | | |
| Verifier | Esteban Freire (esfreire@cesga.es) | | |
| Hours worked | 8h | Date | 20/02/15 |
| Status | Accepted | | |

Summary

The new CA update was upgraded without any problem in all the machines for our verification testbed, Nagios CA probes are running

OK, <https://test23.egi.cesga.es/nagios/cgi-bin/status.cgi?host=test23.egi.cesga.es>

<https://test23.egi.cesga.es/nagios/>

However, I have to comment about the issue found for Spanish sites:

Go to Tools->Options->Advanced->Certificates, click View Certificates, and in the "Authorities" tab look up IRISGridCA and remove it. Then re-connect to the web server and I re-install the new pkIRISGrid certificate from file in http://admin-repo.egi.eu/sw/unverified/cas/1/62/1/current/tgz/ca_pkIRISGrid-1.62.tar.gz, I can access to the Nagios in verification which has been updated to CA 1.62 but I cannot access to the Ibergrid Regional Nagios on production because I get this issue:

```
{}{}{}
```

Secure Connection Failed

An error occurred during a connection to magnos.ibergrid.cesga.es. You have received an invalid certificate. Please contact the server administrator or email correspondent and give them the following information: Your certificate contains the same serial number as another certificate issued by the certificate authority. Please get a new certificate containing a unique serial number. (Error code: `sec_error_reused_issuer_and_serial`)

The page you are trying to view cannot be shown because the authenticity of the received data could not be verified.

Please contact the website owners to inform them of this problem.

```
{}{}{}
```

And if I go to Tools->Options->Advanced->Certificates, click View Certificates, and in the "Authorities" tab look up IRISGridCA and remove it. Then I reconnect to the web server and I just accept the certificate again, I get:

magnos.ibergrid.cesga.es uses an invalid security certificate. The certificate is not trusted because the issuer certificate is unknown. (Error code: `sec_error_unknown_issuer`).

Related tickets

None

Documentation Criteria

| Document | |
|---------------------|---|
| Release notes | https://wiki.egi.eu/wiki/EGI_IGTF_Release |
| User Documentation | |
| API Documentation | |
| Admin Documentation | https://wiki.egi.eu/wiki/EGI_IGTF_Release_Process |
| Software License | |

Generic Criteria

| Criteria | Status ¹ | Additional Comments |
|-----------------------------------|---------------------|---------------------|
| Binary Distribution | OK | |
| Upgrade | OK | |
| X.509 Certificate support | OK | |
| SHA-2 Certificates Support | OK | |
| RFC Proxy support | OK | |
| ARGUS Integration | NA | |
| World Writable Files | NT | Minor release |
| Passwords in world readable files | NT | Minor release |
| GlueSchema 1.3 Support | OK | |
| GlueSchema 2.0 Support | OK | |
| Middleware Version Information | NT | Minor release |
| Service Probes | OK | |
| Accounting Records | NA | |
| Bug Tracking System | OK | |

Specific QC

Basic Functionality Test

= Verification of CA update, version 1.62-1 =

* RT ticket, <https://rt.egi.eu/rt/Ticket/Display.html?id=8235>

== Configuring the repositories ==

1 **OK**, **WARN**, **FAIL**, NA (Not Applicable) or NT (Not Tested)

```
{}  
cat EGI-trustanchors.repo
```

```
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) -  
(8217,-,1765)
```

```
[EGI-trustanchors]  
name=EGI-trustanchors  
baseurl=http://admin-repo.egi.eu/sw/unverified/cas/1/62/1/current/  
enabled=1  
gpgcheck=1  
gpgkey=http://repository.egi.eu/sw/production/cas/1/GPG-KEY-EUGridPMA-RPM-3
```

```
}}
```

```
== Installing the CAs (OK) ==  
yum clean all;yum install lcg-CA
```

```
{}  
Feb 17 09:45:40 Updated: ca_DigiCertAssuredIDRootCA-Root-1.62-1.noarch  
Feb 17 09:45:40 Updated: ca_AddTrust-External-CA-Root-1.62-1.noarch  
Feb 17 09:45:40 Updated: ca_UTN-USERTrust-RSA-CA-1.62-1.noarch  
Feb 17 09:45:41 Updated: ca_UKeScienceRoot-2007-1.62-1.noarch  
Feb 17 09:45:41 Updated: ca_DigiCertGridRootCA-Root-1.62-1.noarch  
Feb 17 09:45:41 Updated: ca_UTN-USERFirst-Hardware-1.62-1.noarch  
Feb 17 09:45:42 Updated: ca_COMODO-RSA-CA-1.62-1.noarch  
Feb 17 09:45:42 Updated: ca_CNRS2-1.62-1.noarch  
Feb 17 09:45:42 Updated: ca_CNRS2-Projets-1.62-1.noarch  
Feb 17 09:45:43 Updated: ca_HellasGrid-Root-1.62-1.noarch  
Feb 17 09:45:43 Updated: ca_QuoVadis-Root-CA1-1.62-1.noarch  
Feb 17 09:45:43 Updated: ca_CERN-Root-1.62-1.noarch  
Feb 17 09:45:44 Updated: ca_AAACertificateServices-1.62-1.noarch  
Feb 17 09:45:44 Updated: ca_UTNAAAClient-1.62-1.noarch  
Feb 17 09:45:44 Updated: ca_CESNET-CA-Root-1.62-1.noarch  
Feb 17 09:45:45 Updated: ca_CESNET-CA-3-1.62-1.noarch  
Feb 17 09:45:45 Updated: ca_TERENAeSciencePersonalCA-1.62-1.noarch  
Feb 17 09:45:45 Updated: ca_CERN-TCA-1.62-1.noarch  
Feb 17 09:45:46 Updated: ca_QuoVadis-Grid-ICA-1.62-1.noarch  
Feb 17 09:45:46 Updated: ca_HellasGrid-CA-2006-1.62-1.noarch  
Feb 17 09:45:46 Updated: ca_CNRS2-Grid-FR-1.62-1.noarch  
Feb 17 09:45:47 Updated: ca_InCommon-IGTF-Server-CA-1.62-1.noarch  
Feb 17 09:45:47 Updated: ca_TERENA-eScience-SSL-CA-1.62-1.noarch  
Feb 17 09:45:47 Updated: ca_DigiCertGridCA-1G2-Classic-1.62-1.noarch  
Feb 17 09:45:48 Updated: ca_DigiCertGridCA-1-Classic-1.62-1.noarch  
Feb 17 09:45:48 Updated: ca_UKeScienceCA-2A-1.62-1.noarch  
Feb 17 09:45:49 Updated: ca_UKeScienceCA-2B-1.62-1.noarch  
Feb 17 09:45:50 Updated: ca_TERENA-eScience-SSL-CA-2-1.62-1.noarch  
Feb 17 09:45:50 Updated: ca_TERENAeSciencePersonalCA2-1.62-1.noarch
```

Feb 17 09:45:51 Installed: ca_TERENA-eScience-SSL-CA-3-1.62-1.noarch
Feb 17 09:45:51 Updated: ca_DigiCertGridTrustCAG2-Classic-1.62-1.noarch
Feb 17 09:45:51 Installed: ca_TERENAESciencePersonalCA3-1.62-1.noarch
Feb 17 09:45:52 Updated: ca_DigiCertGridTrustCA-Classic-1.62-1.noarch
Feb 17 09:45:52 Updated: ca_BYGCA-1.62-1.noarch
Feb 17 09:45:52 Updated: ca_ArmeSFo-1.62-1.noarch
Feb 17 09:45:53 Updated: ca_AEGIS-1.62-1.noarch
Feb 17 09:45:53 Updated: ca_TSU-GE-1.62-1.noarch
Feb 17 09:45:53 Updated: ca_GermanGrid-1.62-1.noarch
Feb 17 09:45:54 Updated: ca_PolishGrid-1.62-1.noarch
Feb 17 09:45:54 Updated: ca_RDIG-1.62-1.noarch
Feb 17 09:45:54 Updated: ca_BrGrid-1.62-1.noarch
Feb 17 09:45:55 Updated: ca_CNIC-1.62-1.noarch
Feb 17 09:45:55 Installed: ca_NIIF-Root-CA-2-1.62-1.noarch
Feb 17 09:45:55 Updated: ca_SiGNET-CA-1.62-1.noarch
Feb 17 09:45:56 Updated: ca_GridCanada-1.62-1.noarch
Feb 17 09:45:56 Updated: ca_IRAN-GRID-1.62-1.noarch
Feb 17 09:45:56 Updated: ca_DFN-SLCS-1.62-1.noarch
Feb 17 09:45:57 Updated: ca_RomanianGRID-1.62-1.noarch
Feb 17 09:45:57 Updated: ca_IGCA-1.62-1.noarch
Feb 17 09:45:57 Updated: ca_MaGrid-1.62-1.noarch
Feb 17 09:45:58 Updated: ca_seegrid-ca-2013-1.62-1.noarch
Feb 17 09:45:58 Updated: ca_UniandesCA-1.62-1.noarch
Feb 17 09:45:59 Updated: ca_CALG-1.62-1.noarch
Feb 17 09:45:59 Updated: ca_ASGCCA-2007-1.62-1.noarch
Feb 17 09:45:59 Updated: ca_LIPCA-1.62-1.noarch
Feb 17 09:46:00 Updated: ca_SlovakGrid-1.62-1.noarch
Feb 17 09:46:00 Updated: ca_LACGridCA-1.62-1.noarch
Feb 17 09:46:00 Updated: ca_SRCE-1.62-1.noarch
Feb 17 09:46:01 Updated: ca_EG-GRID-1.62-1.noarch
Feb 17 09:46:01 Updated: ca_NERSC-SLCS-1.62-1.noarch
Feb 17 09:46:02 Updated: ca_UNAMgrid-ca-1.62-1.noarch
Feb 17 09:46:02 Updated: ca_TRGrid-1.62-1.noarch
Feb 17 09:46:02 Updated: ca_pkIRISGrid-1.62-1.noarch
Feb 17 09:46:02 Updated: ca_PSC-Myproxy-CA-1.62-1.noarch
Feb 17 09:46:03 Updated: ca_NCSA-slcs-2013-1.62-1.noarch
Feb 17 09:46:03 Updated: ca_PK-Grid-2007-1.62-1.noarch
Feb 17 09:46:03 Updated: ca_NorduGrid-1.62-1.noarch
Feb 17 09:46:04 Updated: ca_DFN-GridGermany-Root-1.62-1.noarch
Feb 17 09:46:04 Updated: ca_CERN-Root-2-1.62-1.noarch
Feb 17 09:46:05 Updated: ca_NAREGI-1.62-1.noarch
Feb 17 09:46:05 Updated: ca_MARGI-1.62-1.noarch
Feb 17 09:46:05 Updated: ca_UGRID-1.62-1.noarchCAs
Feb 17 09:46:06 Updated: ca_NIKHEF-1.62-1.noarch
Feb 17 09:46:06 Updated: ca_BEGrid2008-1.62-1.noarch
Feb 17 09:46:06 Updated: ca_INFN-CA-2006-1.62-1.noarch
Feb 17 09:46:07 Updated: ca_NIIF-1.62-1.noarch
Feb 17 09:46:07 Updated: ca_UNLPGrid-1.62-1.noarch
Feb 17 09:46:07 Updated: ca_KISTI-2007-1.62-1.noarch
Feb 17 09:46:08 Updated: ca_NECTEC-1.62-1.noarch

```
Feb 17 09:46:08 Updated: ca_IHEP-2013-1.62-1.noarch
Feb 17 09:46:09 Updated: ca_BG-ACAD-CA-1.62-1.noarch
Feb 17 09:46:09 Updated: ca_FNAL-SLCS-1.62-1.noarch
Feb 17 09:46:10 Updated: ca_ANSPGrid-1.62-1.noarch
Feb 17 09:46:10 Updated: ca_BalticGrid-1.62-1.noarch
Feb 17 09:46:10 Updated: ca_DZeScience-1.62-1.noarch
Feb 17 09:46:10 Updated: ca_cilogon-silver-1.62-1.noarch
Feb 17 09:46:11 Updated: ca_NCSA-mics-1.62-1.noarch
Feb 17 09:46:11 Updated: ca_NCSA-slcs-1.62-1.noarch
Feb 17 09:46:11 Updated: ca_MYIFAM-1.62-1.noarch
Feb 17 09:46:12 Updated: ca_KEK-1.62-1.noarch
Feb 17 09:46:12 Updated: ca_CERN-GridCA-1.62-1.noarch
Feb 17 09:46:12 Updated: ca_SDG-1.62-1.noarch
Feb 17 09:46:13 Updated: ca_AustrianGrid-1.62-1.noarch
Feb 17 09:46:13 Updated: ca_REUNA-ca-1.62-1.noarch
Feb 17 09:46:13 Updated: ca_MD-Grid-1.62-1.noarch
Feb 17 09:46:14 Updated: ca_MREN-CA-1.62-1.noarch
Feb 17 09:46:14 Updated: ca_CyGrid-1.62-1.noarch
Feb 17 09:46:15 Updated: ca_NICS-MyProxy-1.62-1.noarch
Feb 17 09:46:15 Updated: ca_HPCI-1.62-1.noarch
Feb 17 09:46:15 Updated: ca_NCSA-tfca-2013-1.62-1.noarch
Feb 17 09:46:16 Updated: ca_HKU-1.62-1.noarch
Feb 17 09:46:16 Installed: ca-policy-egi-core-1.62-1.noarch
Feb 17 09:46:16 Installed: ca_policy_igtf-classic-1.62-1.noarch
Feb 17 09:46:17 Updated: ca_policy_igtf-slcs-1.62-1.noarch
Feb 17 09:46:17 Updated: ca_policy_igtf-mics-1.62-1.noarch
Feb 17 09:46:17 Updated: ca-policy-lcg-1.62-1.noarch
Feb 17 09:46:17 Updated: lcg-CA-1.62-1.noarch
Feb 17 09:46:24 Erased: ca_ULAGrid-CA-2008
Feb 17 09:46:25 Erased: ca_HIAST
Feb 17 09:46:25 Erased: ca_NCHC
}}}
```

* Updating the CRLs (OK):

```
{
{
{
[root@test30 yum.repos.d]# /usr/sbin/fetch-crl -a 1 -v
[ .... ]
```

```
fetch-crl[6221]: 20150217T095229+0100 There were 0 errors and 1 warnings
}}
```

* Several updates to this trust anchor distribution incorporate changes to the name of the issuing authority, but the name of the end-entities and the users remains exactly the same. To make the change transparent, all operators of VOMS and VOMS-Admin services are requested to enable the subject-only name resolution mechanisms in VOMS and VOMS Admin:

- on the VOMS core Attribute Authority service, configure the "-skipcachecheck"

flag on start-up. In YAIM this is done by setting "VOMS_SKIP_CA_CHECK" to true. See <https://wiki.italiangrid.it/twiki/bin/view/VOMS/VOMSYAIMGuide> - update VOMS-Admin to version >= 3.3.2, and set "voms.skip_ca_check=True" in the service properties. For more info, read the release notes at <http://italiangrid.github.io/voms/release-notes/voms-admin-server/3.3.2/>

Try it on test10.egi.cesga.es but voms-admin-server 3.3.2-1 is only available from EMI-3-updates repo.

<http://italiangrid.github.io/voms/release-notes/voms-admin-server/3.3.2/>

<https://test10.egi.cesga.es:8443/voms/ops.vo.ibergrid.eu/user/home.action>

--

Nagios CA probes are running OK, <https://test23.egi.cesga.es/nagios/cgi-bin/status.cgi?host=test23.egi.cesga.es>

However, I have to comment about the issue found for Spanish sites:

Go to Tools->Options->Advanced->Certificates, click View Certificates, and in the "Authorities" tab look up IRISGridCA and remove it. Then re-connect to the web server and I re-install the new pkIRISGrid certificate from file in http://admin-repo.egi.eu/sw/unverified/cas/1/62/1/current/tgz/ca_pkIRISGrid-1.62.tar.gz, I can access to the Nagios in verification which has been updated to CA 1.62 but I cannot access to the Ibergrid Regional Nagios on production because I get this issue:

```
{{{
```

```
Secure Connection Failed
```

An error occurred during a connection to magnos.ibergrid.cesga.es. You have received an invalid certificate. Please contact the server administrator or email correspondent and give them the following information: Your certificate contains the same serial number as another certificate issued by the certificate authority. Please get a new certificate containing a unique serial number. (Error code: sec_error_reused_issuer_and_serial)

The page you are trying to view cannot be shown because the authenticity of the received data could not be verified.

Please contact the website owners to inform them of this problem.

```
}}}
```

And if I go to Tools->Options->Advanced->Certificates, click View Certificates, and in the "Authorities" tab look up IRISGridCA and remove it. Then I reconnect to the web server and I just accept the certificate again, I get:

magnos.ibergrid.cesga.es uses an invalid security certificate. The certificate is not trusted because the issuer certificate is unknown. (Error code: sec_error_unknown_issuer).

Additional Info
