

Quality Criteria Verification Report

Product	CA update, version 1.59-1	Release	1.59-1
Software Provider	EGI-IGTF	RT Ticket	#7467
Provider contact	David Groep (egi-igt-liaison@nikhef.nl)		
Verifier	Esteban Freire (esfreire@cesga.es)		
Hours worked	4h	Date	25/09/14
Status	Accepted		

Summary

CAs were updated on all the services from the SA2 verification testbed. Everything was correct during the installation including the renaming of ca_SWITCH-QuoVadis-Grid-ICA.noarch 0:1.58-1 by ca_QuoVadis-Grid-ICA-1.59-1.noarch. However, I have to comment that after updating the CAs on the Nagios from verification, <https://test23.egi.cesga.es/nagios/cgi-bin/status.cgi?host=test23.egi.cesga.es>, I can see the Nagios service is failing the following test :

<https://test23.egi.cesga.es/nagios/cgi-bin/extinfo.cgi?type=2&host=test23.egi.cesga.es&service=eu.egi.sec.CRL>

```
{{{
```

```
ERROR: Some errors found. Please check details.
```

```
Using certificates dir : /etc/grid-security/certificates
```

```
/C=SY/O=HIAST/CN=HIAST GRID CA (HIAST.pem) CRL expired 122 hours
```

```
ago
```

```
}}}
```

I guess it is because HIAST CA has not renewed their CRLs yet but I prefer to comment it in any case.

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 1.59-1 =

The new CA update was upgraded without any problem in all the machines for our verification testbed, Nagios CA probes are running but we are failing eu.egi.sec.CRL test after CAs updating:

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

<https://test23.egi.cesga.es/nagios/cgi-bin/extinfo.cgi?type=2&host=test23.egi.cesga.es&service=eu.egi.sec.CRL>

```
{{{  
ERROR: Some errors found. Please check details.  
Using certificates dir : /etc/grid-security/certificates  
/C=SY/O=HIAST/CN=HIAST GRID CA (HIAST.pem) CRL expired 122 hours  
ago  
}}}
```

== Configuring the repositories ==

```
{{{
```

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

```
cat EGI-trustanchors.repo
# EGI Software Repository - REPO META
(releaseId,repositoryId,repofileId) - (7467,-,1594)
```

```
[EGI-trustanchors]
name=EGI-trustanchors
baseurl=http://admin-repo.egi.eu/sw/unverified/cas/1/59/1/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
```

```
{{{
Running Transaction
  Updating : ca_DigiCertAssuredIDRootCA-Root-1.59-1.noarch
1/205
  Updating : ca_UKeScienceRoot-2007-1.59-1.noarch
2/205
  Updating : ca_AddTrust-External-CA-Root-1.59-1.noarch
3/205
  Updating : ca_DigiCertGridRootCA-Root-1.59-1.noarch
4/205
  Updating : ca_UTN-USERFirst-Hardware-1.59-1.noarch
5/205
  Updating : ca_COMODO-RSA-CA-1.59-1.noarch
6/205
  Updating : ca_AAACertificateServices-1.59-1.noarch
7/205
  Updating : ca_UTNAAAClient-1.59-1.noarch
8/205
  Updating : ca_CESNET-CA-Root-1.59-1.noarch
9/205
  Updating : ca_QuoVadis-Root-CA1-1.59-1.noarch
10/205
  Updating : ca_CNRS2-1.59-1.noarch
11/205
  Updating : ca_CNRS2-Projets-1.59-1.noarch
12/205
  Updating : ca_CERN-Root-1.59-1.noarch
13/205
  Updating : ca_HellasGrid-Root-1.59-1.noarch
14/205
  Updating : ca_HellasGrid-CA-2006-1.59-1.noarch
15/205
```

Updating : ca_CERN-TCA-1.59-1.noarch
16/205
Updating : ca_CNRS2-Grid-FR-1.59-1.noarch
17/205
Installing : ca_QuoVadis-Grid-ICA-1.59-1.noarch
18/205
Updating : ca_CESNET-CA-3-1.59-1.noarch
19/205
Updating : ca_TERENAeSciencePersonalCA-1.59-1.noarch
20/205
Updating : ca_InCommon-IGTF-Server-CA-1.59-1.noarch
21/205
Updating : ca_TERENA-eScience-SSL-CA-1.59-1.noarch
22/205
Updating : ca_DigiCertGridCA-1-Classic-1.59-1.noarch
23/205
Updating : ca_DigiCertGridCA-1G2-Classic-1.59-1.noarch
24/205
Updating : ca_UKeScienceCA-2A-1.59-1.noarch
25/205
Updating : ca_UKeScienceCA-2B-1.59-1.noarch
26/205
Updating : ca_DigiCertGridTrustCAG2-Classic-1.59-1.noarch
27/205
Updating : ca_DigiCertGridTrustCA-Classic-1.59-1.noarch
28/205
Updating : ca_NIIF-1.59-1.noarch
29/205
Updating : ca_MD-Grid-1.59-1.noarch
30/205
Updating : ca_SlovakGrid-1.59-1.noarch
31/205
Updating : ca_NCSA-slcs-2013-1.59-1.noarch
32/205
Updating : ca_LIPCA-1.59-1.noarch
33/205
Updating : ca_NorduGrid-1.59-1.noarch
34/205
Updating : ca_PK-Grid-2007-1.59-1.noarch
35/205
Updating : ca_MYIFAM-1.59-1.noarch
36/205
Updating : ca_NCSA-mics-1.59-1.noarch
37/205
Updating : ca_KISTI-2007-1.59-1.noarch
38/205
Updating : ca_ANSPGrid-1.59-1.noarch
39/205
Updating : ca_CERN-GridCA-1.59-1.noarch
40/205

Updating : ca_TRGrid-1.59-1.noarch
41/205
Updating : ca_FNAL-SLCS-1.59-1.noarch
42/205
Updating : ca_REUNA-ca-1.59-1.noarch
43/205
Updating : ca_DZeScience-1.59-1.noarch
44/205
Updating : ca_NCSA-tfca-2013-1.59-1.noarch
45/205
Updating : ca_BEGrid2008-1.59-1.noarch
46/205
Updating : ca_MREN-CA-1.59-1.noarch
47/205
Updating : ca_SiGNET-CA-1.59-1.noarch
48/205
Updating : ca_NIKHEF-1.59-1.noarch
49/205
Updating : ca_HIAST-1.59-1.noarch
50/205
Updating : ca_ArmeSFo-1.59-1.noarch
51/205
Updating : ca_cilogon-silver-1.59-1.noarch
52/205
Updating : ca_GridCanada-1.59-1.noarch
53/205
Updating : ca_UNAMgrid-ca-1.59-1.noarch
54/205
Updating : ca_BYGCA-1.59-1.noarch
55/205
Updating : ca_BalticGrid-1.59-1.noarch
56/205
Updating : ca_INFN-CA-2006-1.59-1.noarch
57/205
Updating : ca_GermanGrid-1.59-1.noarch
58/205
Updating : ca_AEGIS-1.59-1.noarch
59/205
Updating : ca_SRCE-1.59-1.noarch
60/205
Updating : ca_KEK-1.59-1.noarch
61/205
Updating : ca_IHEP-2013-1.59-1.noarch
62/205
Updating : ca_ASGCCA-2007-1.59-1.noarch
63/205
Updating : ca_CALG-1.59-1.noarch
64/205
Updating : ca_HKU-1.59-1.noarch
65/205

Updating : ca_EG-GRID-1.59-1.noarch
66/205
Updating : ca_AustrianGrid-1.59-1.noarch
67/205
Updating : ca_CERN-Root-2-1.59-1.noarch
68/205
Installing : ca_HPCI-1.59-1.noarch
69/205
Updating : ca_NERSC-SLCS-1.59-1.noarch
70/205
Updating : ca_CNIC-1.59-1.noarch
71/205
Updating : ca_ULAGrid-CA-2008-1.59-1.noarch
72/205
Updating : ca_CyGrid-1.59-1.noarch
73/205
Updating : ca_DFN-GridGermany-Root-1.59-1.noarch
74/205
Updating : ca_NCSA-slcs-1.59-1.noarch
75/205
Updating : ca_UGRID-1.59-1.noarch
76/205
Updating : ca_SDG-1.59-1.noarch
77/205
Updating : ca_PSC-Myproxy-CA-1.59-1.noarch
78/205
Updating : ca_pkIRISGrid-1.59-1.noarch
79/205
Updating : ca_IRAN-GRID-1.59-1.noarch
80/205
Updating : ca_LACGridCA-1.59-1.noarch
81/205
Updating : ca_PolishGrid-1.59-1.noarch
82/205
Updating : ca_BG-ACAD-CA-1.59-1.noarch
83/205
Updating : ca_UNLPGrid-1.59-1.noarch
84/205
Updating : ca_BrGrid-1.59-1.noarch
85/205
Updating : ca_UniandesCA-1.59-1.noarch
86/205
Updating : ca_NECTEC-1.59-1.noarch
87/205
Updating : ca_IGCA-1.59-1.noarch
88/205
Updating : ca_DFN-SLCS-1.59-1.noarch
89/205
Updating : ca_RomanianGRID-1.59-1.noarch
90/205

Updating : ca_RDIG-1.59-1.noarch
91/205
Updating : ca_MaGrid-1.59-1.noarch
92/205
Updating : ca_NCHC-1.59-1.noarch
93/205
Updating : ca_seegrid-ca-2013-1.59-1.noarch
94/205
Updating : ca_NAREGI-1.59-1.noarch
95/205
Updating : ca_MARGI-1.59-1.noarch
96/205
Updating : ca_NICS-MyProxy-1.59-1.noarch
97/205
Installing : ca-policy-egi-core-1.59-1.noarch
98/205
Updating : ca_policy_igtf-slcs-1.59-1.noarch
99/205
Installing : ca_policy_igtf-classic-1.59-1.noarch
100/205
Updating : ca_policy_igtf-mics-1.59-1.noarch
101/205
Updating : ca-policy-lcg-1.59-1.noarch
102/205
Updating : lcg-CA-1.59-1.noarch

}}}

* Updating the CRLs (OK):

{{{

```
[root@test30 yum.repos.d]# /usr/sbin/fetch-crl -a 1 -v
fetch-crl[5041]: 20140925T105106+0200 Starting CRL retrieval process at
20140925T105106+0200
fetch-crl[5041]: 20140925T105106+0200 Using OpenSSL version OpenSSL 0.9.8e-
fips-rhel5 01 Jul 2008 at /usr/bin/openssl
fetch-crl[5041]: 20140925T105106+0200 processing '/etc/grid-
security/certificates/AAACertificateServices.crl_url'
fetch-crl[5041]: 20140925T105107+0200 updating CRL 'AAA Certificate Services
(75680d2e)'
fetch-crl[5041]: 20140925T105107+0200 File /etc/grid-
security/certificates/75680d2e.r0 valid: yes
fetch-crl[5041]: 20140925T105107+0200 File /etc/grid-
security/certificates/75680d2e.r0.rI5107 valid: yes
fetch-crl[5041]: 20140925T105107+0200 File /etc/grid-
security/certificates/75680d2e.r0 valid: yes
fetch-crl[5041]: 20140925T105107+0200 processing '/etc/grid-
security/certificates/AddTrust-External-CA-Root.crl_url'
fetch-crl[5041]: 20140925T105107+0200 updating CRL 'AddTrust External CA Root
(3c58f906)'
```

fetch-crl[5041]: 20140925T105107+0200 File /etc/grid-security/certificates/3c58f906.r0 valid: yes
fetch-crl[5041]: 20140925T105107+0200 File /etc/grid-security/certificates/3c58f906.r0.Vo5178 valid: yes
fetch-crl[5041]: 20140925T105107+0200 File /etc/grid-security/certificates/3c58f906.r0 valid: yes
fetch-crl[5041]: 20140925T105107+0200 processing '/etc/grid-security/certificates/AEGIS.crl_url'
fetch-crl[5041]: 20140925T105107+0200 updating CRL 'AEGIS-CA (393f7863)'
fetch-crl[5041]: 20140925T105107+0200 File /etc/grid-security/certificates/393f7863.r0 valid: yes
fetch-crl[5041]: 20140925T105107+0200 File /etc/grid-security/certificates/393f7863.r0.ig5249 valid: yes
fetch-crl[5041]: 20140925T105107+0200 File /etc/grid-security/certificates/393f7863.r0 valid: yes
fetch-crl[5041]: 20140925T105107+0200 processing '/etc/grid-security/certificates/ANSPGrid.crl_url'
fetch-crl[5041]: 20140925T105108+0200 updating CRL 'ANSPGrid CA (126f0acf)'
fetch-crl[5041]: 20140925T105108+0200 File /etc/grid-security/certificates/126f0acf.r0 valid: yes
fetch-crl[5041]: 20140925T105108+0200 File /etc/grid-security/certificates/126f0acf.r0.Mk5320 valid: yes
fetch-crl[5041]: 20140925T105108+0200 File /etc/grid-security/certificates/126f0acf.r0 valid: yes
fetch-crl[5041]: 20140925T105108+0200 processing '/etc/grid-security/certificates/ArmeSFo.crl_url'
fetch-crl[5041]: 20140925T105108+0200 updating CRL 'ArmeSFo CA (d0c2a341)'
fetch-crl[5041]: 20140925T105108+0200 File /etc/grid-security/certificates/d0c2a341.r0 valid: yes
fetch-crl[5041]: 20140925T105108+0200 File /etc/grid-security/certificates/d0c2a341.r0.em5388 valid: yes
fetch-crl[5041]: 20140925T105108+0200 File /etc/grid-security/certificates/d0c2a341.r0 valid: yes
fetch-crl[5041]: 20140925T105108+0200 processing '/etc/grid-security/certificates/ASGCCA-2007.crl_url'
fetch-crl[5041]: 20140925T105111+0200 updating CRL 'Academia Sinica Grid Computing Certification Authority Mercury (9cd75e87)'
fetch-crl[5041]: 20140925T105111+0200 File /etc/grid-security/certificates/9cd75e87.r0 valid: yes
fetch-crl[5041]: 20140925T105111+0200 File /etc/grid-security/certificates/9cd75e87.r0.jO5456 valid: yes
fetch-crl[5041]: 20140925T105111+0200 File /etc/grid-security/certificates/9cd75e87.r0 valid: yes
fetch-crl[5041]: 20140925T105111+0200 processing '/etc/grid-security/certificates/AustrianGrid.crl_url'
fetch-crl[5041]: 20140925T105111+0200 updating CRL 'Certificate Issuer (6e3b436b)'
fetch-crl[5041]: 20140925T105111+0200 File /etc/grid-security/certificates/6e3b436b.r0 valid: yes
fetch-crl[5041]: 20140925T105111+0200 File /etc/grid-security/certificates/6e3b436b.r0.AC5524 valid: yes

fetch-crl[5041]: 20140925T105111+0200 File /etc/grid-security/certificates/6e3b436b.r0 valid: yes
fetch-crl[5041]: 20140925T105111+0200 processing '/etc/grid-security/certificates/BalticGrid.crl_url'
fetch-crl[5041]: 20140925T105111+0200 updating CRL 'Baltic Grid Certification Authority (2a237f16)'
fetch-crl[5041]: 20140925T105111+0200 File /etc/grid-security/certificates/2a237f16.r0 valid: yes
fetch-crl[5041]: 20140925T105111+0200 File /etc/grid-security/certificates/2a237f16.r0.mb5593 valid: yes
fetch-crl[5041]: 20140925T105111+0200 File /etc/grid-security/certificates/2a237f16.r0 valid: yes
fetch-crl[5041]: 20140925T105111+0200 processing '/etc/grid-security/certificates/BEGrid2008.crl_url'
fetch-crl[5041]: 20140925T105112+0200 updating CRL 'BEgrid CA (e8d818e6)'
fetch-crl[5041]: 20140925T105112+0200 File /etc/grid-security/certificates/e8d818e6.r0 valid: yes
fetch-crl[5041]: 20140925T105112+0200 File /etc/grid-security/certificates/e8d818e6.r0.Ph5661 valid: yes
fetch-crl[5041]: 20140925T105112+0200 File /etc/grid-security/certificates/e8d818e6.r0 valid: yes
fetch-crl[5041]: 20140925T105112+0200 processing '/etc/grid-security/certificates/BG-ACAD-CA.crl_url'
fetch-crl[5041]: 20140925T105112+0200 updating CRL 'BG.ACAD CA (2418a3f3)'
fetch-crl[5041]: 20140925T105112+0200 File /etc/grid-security/certificates/2418a3f3.r0 valid: yes
fetch-crl[5041]: 20140925T105112+0200 File /etc/grid-security/certificates/2418a3f3.r0.Cv5729 valid: yes
fetch-crl[5041]: 20140925T105112+0200 File /etc/grid-security/certificates/2418a3f3.r0 valid: yes
fetch-crl[5041]: 20140925T105112+0200 processing '/etc/grid-security/certificates/BrGrid.crl_url'
fetch-crl[5041]: 20140925T105113+0200 updating CRL 'UFF Brazilian Grid Certification Authority (0a2bac92)'
fetch-crl[5041]: 20140925T105113+0200 File /etc/grid-security/certificates/0a2bac92.r0 valid: yes
fetch-crl[5041]: 20140925T105113+0200 File /etc/grid-security/certificates/0a2bac92.r0.Ld5797 valid: yes
fetch-crl[5041]: 20140925T105113+0200 File /etc/grid-security/certificates/0a2bac92.r0 valid: yes
fetch-crl[5041]: 20140925T105113+0200 processing '/etc/grid-security/certificates/BYGCA.crl_url'
fetch-crl[5041]: 20140925T105114+0200 updating CRL 'Belarusian Grid Certification Authority (709bed08)'
fetch-crl[5041]: 20140925T105114+0200 File /etc/grid-security/certificates/709bed08.r0 valid: yes
fetch-crl[5041]: 20140925T105114+0200 File /etc/grid-security/certificates/709bed08.r0.jR5868 valid: yes
fetch-crl[5041]: 20140925T105114+0200 File /etc/grid-security/certificates/709bed08.r0 valid: yes

fetch-crl[5041]: 20140925T105114+0200 processing '/etc/grid-security/certificates/CALG.crl_url'
fetch-crl[5041]: 20140925T105114+0200 updating CRL 'Certification Authority for Latvian Grid (742edd45)'
fetch-crl[5041]: 20140925T105114+0200 File /etc/grid-security/certificates/742edd45.r0 valid: yes
fetch-crl[5041]: 20140925T105114+0200 File /etc/grid-security/certificates/742edd45.r0.Vh5936 valid: yes
fetch-crl[5041]: 20140925T105114+0200 File /etc/grid-security/certificates/742edd45.r0 valid: yes
fetch-crl[5041]: 20140925T105114+0200 processing '/etc/grid-security/certificates/CERN-GridCA.crl_url'
fetch-crl[5041]: 20140925T105115+0200 updating CRL 'CERN Grid Certification Authority (4339b4bc)'
fetch-crl[5041]: 20140925T105115+0200 File /etc/grid-security/certificates/4339b4bc.r0 valid: yes
fetch-crl[5041]: 20140925T105115+0200 File /etc/grid-security/certificates/4339b4bc.r0.IV6007 valid: yes
fetch-crl[5041]: 20140925T105115+0200 File /etc/grid-security/certificates/4339b4bc.r0 valid: yes
fetch-crl[5041]: 20140925T105115+0200 processing '/etc/grid-security/certificates/CERN-Root-2.crl_url'
fetch-crl[5041]: 20140925T105115+0200 updating CRL 'CERN Root Certification Authority 2 (b4278411)'
fetch-crl[5041]: 20140925T105115+0200 File /etc/grid-security/certificates/b4278411.r0 valid: yes
fetch-crl[5041]: 20140925T105115+0200 File /etc/grid-security/certificates/b4278411.r0.Nr6078 valid: yes
fetch-crl[5041]: 20140925T105115+0200 File /etc/grid-security/certificates/b4278411.r0 valid: yes
fetch-crl[5041]: 20140925T105115+0200 processing '/etc/grid-security/certificates/CERN-Root.crl_url'
fetch-crl[5041]: 20140925T105115+0200 updating CRL 'CERN Root CA (d254cc30)'
fetch-crl[5041]: 20140925T105115+0200 File /etc/grid-security/certificates/d254cc30.r0 valid: yes
fetch-crl[5041]: 20140925T105115+0200 File /etc/grid-security/certificates/d254cc30.r0.xQ6149 valid: yes
fetch-crl[5041]: 20140925T105115+0200 File /etc/grid-security/certificates/d254cc30.r0 valid: yes
fetch-crl[5041]: 20140925T105115+0200 processing '/etc/grid-security/certificates/CERN-TCA.crl_url'
fetch-crl[5041]: 20140925T105115+0200 updating CRL 'CERN Trusted Certification Authority (1d879c6c)'
fetch-crl[5041]: 20140925T105115+0200 File /etc/grid-security/certificates/1d879c6c.r0 valid: yes
fetch-crl[5041]: 20140925T105115+0200 File /etc/grid-security/certificates/1d879c6c.r0.Hy6220 valid: yes
fetch-crl[5041]: 20140925T105115+0200 File /etc/grid-security/certificates/1d879c6c.r0 valid: yes

fetch-crl[5041]: 20140925T105115+0200 processing '/etc/grid-security/certificates/CESNET-CA-3.crl_url'
fetch-crl[5041]: 20140925T105116+0200 updating CRL 'CESNET CA 3 (712ae4cc)'
fetch-crl[5041]: 20140925T105116+0200 File /etc/grid-security/certificates/712ae4cc.r0 valid: yes
fetch-crl[5041]: 20140925T105116+0200 File /etc/grid-security/certificates/712ae4cc.r0.wm6291 valid: yes
fetch-crl[5041]: 20140925T105116+0200 File /etc/grid-security/certificates/712ae4cc.r0 valid: yes
fetch-crl[5041]: 20140925T105116+0200 processing '/etc/grid-security/certificates/CESNET-CA-Root.crl_url'
fetch-crl[5041]: 20140925T105116+0200 updating CRL 'CESNET CA Root (edca0fc0)'
fetch-crl[5041]: 20140925T105116+0200 File /etc/grid-security/certificates/edca0fc0.r0 valid: yes
fetch-crl[5041]: 20140925T105116+0200 File /etc/grid-security/certificates/edca0fc0.r0.vc6362 valid: yes
fetch-crl[5041]: 20140925T105116+0200 File /etc/grid-security/certificates/edca0fc0.r0 valid: yes
fetch-crl[5041]: 20140925T105116+0200 processing '/etc/grid-security/certificates/cilogon-silver.crl_url'
fetch-crl[5041]: 20140925T105117+0200 updating CRL 'CILogon Silver CA 1 (10718cba)'
fetch-crl[5041]: 20140925T105117+0200 File /etc/grid-security/certificates/10718cba.r0 valid: yes
fetch-crl[5041]: 20140925T105117+0200 File /etc/grid-security/certificates/10718cba.r0.qG6433 valid: yes
fetch-crl[5041]: 20140925T105117+0200 File /etc/grid-security/certificates/10718cba.r0 valid: yes
fetch-crl[5041]: 20140925T105117+0200 processing '/etc/grid-security/certificates/CNIC.crl_url'
fetch-crl[5041]: 20140925T105118+0200 updating CRL 'Root Certificate Authority at CNIC (b2771d44)'
fetch-crl[5041]: 20140925T105118+0200 File /etc/grid-security/certificates/b2771d44.r0 valid: yes
fetch-crl[5041]: 20140925T105118+0200 File /etc/grid-security/certificates/b2771d44.r0.XG6501 valid: yes
fetch-crl[5041]: 20140925T105118+0200 File /etc/grid-security/certificates/b2771d44.r0 valid: yes
fetch-crl[5041]: 20140925T105118+0200 processing '/etc/grid-security/certificates/CNRS2.crl_url'
fetch-crl[5041]: 20140925T105119+0200 updating CRL 'CNRS2 (163af95c)'
fetch-crl[5041]: 20140925T105119+0200 File /etc/grid-security/certificates/163af95c.r0 valid: yes
fetch-crl[5041]: 20140925T105119+0200 File /etc/grid-security/certificates/163af95c.r0.jd6569 valid: yes
fetch-crl[5041]: 20140925T105119+0200 File /etc/grid-security/certificates/163af95c.r0 valid: yes
fetch-crl[5041]: 20140925T105119+0200 processing '/etc/grid-security/certificates/CNRS2-Grid-FR.crl_url'
fetch-crl[5041]: 20140925T105119+0200 updating CRL 'GRID2-FR (d11f973e)'

fetch-crl[5041]: 20140925T105119+0200 File /etc/grid-security/certificates/d11f973e.r0 valid: yes
fetch-crl[5041]: 20140925T105119+0200 File /etc/grid-security/certificates/d11f973e.r0.Rw6637 valid: yes
fetch-crl[5041]: 20140925T105119+0200 File /etc/grid-security/certificates/d11f973e.r0 valid: yes
fetch-crl[5041]: 20140925T105119+0200 processing '/etc/grid-security/certificates/CNRS2-Projets.crl_url'
fetch-crl[5041]: 20140925T105119+0200 updating CRL 'CNRS2-Projets (09ff08b7)'
fetch-crl[5041]: 20140925T105119+0200 File /etc/grid-security/certificates/09ff08b7.r0 valid: yes
fetch-crl[5041]: 20140925T105119+0200 File /etc/grid-security/certificates/09ff08b7.r0.yX6705 valid: yes
fetch-crl[5041]: 20140925T105119+0200 File /etc/grid-security/certificates/09ff08b7.r0 valid: yes
fetch-crl[5041]: 20140925T105119+0200 processing '/etc/grid-security/certificates/COMODO-RSA-CA.crl_url'
fetch-crl[5041]: 20140925T105119+0200 updating CRL 'COMODO RSA Certification Authority (d4c339cb)'
fetch-crl[5041]: 20140925T105119+0200 File /etc/grid-security/certificates/d4c339cb.r0 valid: yes
fetch-crl[5041]: 20140925T105119+0200 File /etc/grid-security/certificates/d4c339cb.r0.xt6776 valid: yes
fetch-crl[5041]: 20140925T105119+0200 File /etc/grid-security/certificates/d4c339cb.r0 valid: yes
fetch-crl[5041]: 20140925T105119+0200 processing '/etc/grid-security/certificates/CyGrid.crl_url'
fetch-crl[5041]: 20140925T105119+0200 updating CRL 'CyGridCA (afe55e66)'
fetch-crl[5041]: 20140925T105119+0200 File /etc/grid-security/certificates/afe55e66.r0 valid: yes
fetch-crl[5041]: 20140925T105119+0200 File /etc/grid-security/certificates/afe55e66.r0.Tu6844 valid: yes
fetch-crl[5041]: 20140925T105119+0200 File /etc/grid-security/certificates/afe55e66.r0 valid: yes
fetch-crl[5041]: 20140925T105120+0200 processing '/etc/grid-security/certificates/DFN-GridGermany-Root.crl_url'
fetch-crl[5041]: 20140925T105120+0200 updating CRL 'DFN-Verein PCA Grid - G01 (1149214e)'
fetch-crl[5041]: 20140925T105120+0200 File /etc/grid-security/certificates/1149214e.r0 valid: yes
fetch-crl[5041]: 20140925T105120+0200 File /etc/grid-security/certificates/1149214e.r0.lt6915 valid: yes
fetch-crl[5041]: 20140925T105120+0200 File /etc/grid-security/certificates/1149214e.r0 valid: yes
fetch-crl[5041]: 20140925T105120+0200 processing '/etc/grid-security/certificates/DFN-SLCS.crl_url'
fetch-crl[5041]: 20140925T105120+0200 updating CRL 'DFN SLCS-CA (a02131f7)'
fetch-crl[5041]: 20140925T105120+0200 File /etc/grid-security/certificates/a02131f7.r0 valid: yes

fetch-crl[5041]: 20140925T105120+0200 File /etc/grid-security/certificates/a02131f7.r0.Nv6986 valid: yes
fetch-crl[5041]: 20140925T105120+0200 File /etc/grid-security/certificates/a02131f7.r0 valid: yes
fetch-crl[5041]: 20140925T105120+0200 processing '/etc/grid-security/certificates/DigiCertAssuredIDRootCA-Root.crl_url'
fetch-crl[5041]: 20140925T105120+0200 updating CRL 'DigiCert Assured ID Root CA (69105f4f)'
fetch-crl[5041]: 20140925T105120+0200 File /etc/grid-security/certificates/69105f4f.r0 valid: yes
fetch-crl[5041]: 20140925T105120+0200 File /etc/grid-security/certificates/69105f4f.r0.Io7057 valid: yes
fetch-crl[5041]: 20140925T105120+0200 File /etc/grid-security/certificates/69105f4f.r0 valid: yes
fetch-crl[5041]: 20140925T105120+0200 processing '/etc/grid-security/certificates/DigiCertGridCA-1-Classic.crl_url'
fetch-crl[5041]: 20140925T105120+0200 updating CRL 'DigiCert Grid CA-1 (c7a717ce)'
fetch-crl[5041]: 20140925T105120+0200 File /etc/grid-security/certificates/c7a717ce.r0 valid: yes
fetch-crl[5041]: 20140925T105120+0200 File /etc/grid-security/certificates/c7a717ce.r0.hF7128 valid: yes
fetch-crl[5041]: 20140925T105120+0200 File /etc/grid-security/certificates/c7a717ce.r0 valid: yes
fetch-crl[5041]: 20140925T105120+0200 processing '/etc/grid-security/certificates/DigiCertGridCA-1G2-Classic.crl_url'
fetch-crl[5041]: 20140925T105120+0200 updating CRL 'DigiCert Grid CA-1 G2 (1cdf1cd9)'
fetch-crl[5041]: 20140925T105120+0200 File /etc/grid-security/certificates/1cdf1cd9.r0 valid: yes
fetch-crl[5041]: 20140925T105120+0200 File /etc/grid-security/certificates/1cdf1cd9.r0.Hk7199 valid: yes
fetch-crl[5041]: 20140925T105120+0200 File /etc/grid-security/certificates/1cdf1cd9.r0 valid: yes
fetch-crl[5041]: 20140925T105120+0200 processing '/etc/grid-security/certificates/DigiCertGridRootCA-Root.crl_url'
fetch-crl[5041]: 20140925T105120+0200 updating CRL 'DigiCert Grid Root CA (2694e4f2)'
fetch-crl[5041]: 20140925T105120+0200 File /etc/grid-security/certificates/2694e4f2.r0 valid: yes
fetch-crl[5041]: 20140925T105120+0200 File /etc/grid-security/certificates/2694e4f2.r0.ad7270 valid: yes
fetch-crl[5041]: 20140925T105120+0200 File /etc/grid-security/certificates/2694e4f2.r0 valid: yes
fetch-crl[5041]: 20140925T105121+0200 processing '/etc/grid-security/certificates/DigiCertGridTrustCA-Classic.crl_url'
fetch-crl[5041]: 20140925T105121+0200 updating CRL 'DigiCert Grid Trust CA (38f7145f)'
fetch-crl[5041]: 20140925T105121+0200 File /etc/grid-security/certificates/38f7145f.r0 valid: yes

fetch-crl[5041]: 20140925T105121+0200 File /etc/grid-security/certificates/38f7145f.r0.MG7341 valid: yes
fetch-crl[5041]: 20140925T105121+0200 File /etc/grid-security/certificates/38f7145f.r0 valid: yes
fetch-crl[5041]: 20140925T105121+0200 processing '/etc/grid-security/certificates/DigiCertGridTrustCAG2-Classic.crl_url'
fetch-crl[5041]: 20140925T105121+0200 updating CRL 'DigiCert Grid Trust CA G2 (5d9ea26d)'
fetch-crl[5041]: 20140925T105121+0200 File /etc/grid-security/certificates/5d9ea26d.r0 valid: yes
fetch-crl[5041]: 20140925T105121+0200 File /etc/grid-security/certificates/5d9ea26d.r0.dU7412 valid: yes
fetch-crl[5041]: 20140925T105121+0200 File /etc/grid-security/certificates/5d9ea26d.r0 valid: yes
fetch-crl[5041]: 20140925T105121+0200 processing '/etc/grid-security/certificates/DZeScience.crl_url'
fetch-crl[5041]: 20140925T105121+0200 updating CRL 'DZ e-Science CA (0a49430a)'
fetch-crl[5041]: 20140925T105121+0200 File /etc/grid-security/certificates/0a49430a.r0 valid: yes
fetch-crl[5041]: 20140925T105121+0200 File /etc/grid-security/certificates/0a49430a.r0.AO7483 valid: yes
fetch-crl[5041]: 20140925T105121+0200 File /etc/grid-security/certificates/0a49430a.r0 valid: yes
fetch-crl[5041]: 20140925T105121+0200 processing '/etc/grid-security/certificates/EG-GRID.crl_url'
fetch-crl[5041]: 20140925T105121+0200 updating CRL 'EG-GRID Certification Authority (4a96b1ea)'
fetch-crl[5041]: 20140925T105121+0200 File /etc/grid-security/certificates/4a96b1ea.r0 valid: yes
fetch-crl[5041]: 20140925T105121+0200 File /etc/grid-security/certificates/4a96b1ea.r0.AQ7554 valid: yes
fetch-crl[5041]: 20140925T105121+0200 File /etc/grid-security/certificates/4a96b1ea.r0 valid: yes
fetch-crl[5041]: 20140925T105121+0200 processing '/etc/grid-security/certificates/FNAL-SLCS.crl_url'
fetch-crl[5041]: 20140925T105122+0200 updating CRL 'Kerberized CA HSM (99f9f5a3)'
fetch-crl[5041]: 20140925T105122+0200 File /etc/grid-security/certificates/99f9f5a3.r0 valid: yes
fetch-crl[5041]: 20140925T105122+0200 File /etc/grid-security/certificates/99f9f5a3.r0.AQ7622 valid: yes
fetch-crl[5041]: 20140925T105122+0200 File /etc/grid-security/certificates/99f9f5a3.r0 valid: yes
fetch-crl[5041]: 20140925T105122+0200 processing '/etc/grid-security/certificates/GermanGrid.crl_url'
fetch-crl[5041]: 20140925T105122+0200 updating CRL 'GridKa-CA (dd4b34ea)'
fetch-crl[5041]: 20140925T105122+0200 File /etc/grid-security/certificates/dd4b34ea.r0 valid: yes
fetch-crl[5041]: 20140925T105122+0200 File /etc/grid-security/certificates/dd4b34ea.r0.QX7690 valid: yes

fetch-crl[5041]: 20140925T105122+0200 File /etc/grid-security/certificates/dd4b34ea.r0 valid: yes
fetch-crl[5041]: 20140925T105122+0200 processing '/etc/grid-security/certificates/GridCanada.crl_url'
fetch-crl[5041]: 20140925T105123+0200 updating CRL 'Grid Canada Certificate Authority (bffb7d0)'
fetch-crl[5041]: 20140925T105123+0200 File /etc/grid-security/certificates/bffb7d0.r0 valid: yes
fetch-crl[5041]: 20140925T105123+0200 File /etc/grid-security/certificates/bffb7d0.r0.Qz7758 valid: yes
fetch-crl[5041]: 20140925T105123+0200 File /etc/grid-security/certificates/bffb7d0.r0 valid: yes
fetch-crl[5041]: 20140925T105123+0200 processing '/etc/grid-security/certificates/HellasGrid-CA-2006.crl_url'
fetch-crl[5041]: 20140925T105123+0200 updating CRL 'HellasGrid CA 2006 (82b36fca)'
fetch-crl[5041]: 20140925T105123+0200 File /etc/grid-security/certificates/82b36fca.r0 valid: yes
fetch-crl[5041]: 20140925T105123+0200 File /etc/grid-security/certificates/82b36fca.r0.fd7829 valid: yes
fetch-crl[5041]: 20140925T105123+0200 File /etc/grid-security/certificates/82b36fca.r0 valid: yes
fetch-crl[5041]: 20140925T105123+0200 processing '/etc/grid-security/certificates/HellasGrid-Root.crl_url'
fetch-crl[5041]: 20140925T105124+0200 updating CRL 'HellasGrid Root CA 2006 (28a58577)'
fetch-crl[5041]: 20140925T105124+0200 File /etc/grid-security/certificates/28a58577.r0 valid: yes
fetch-crl[5041]: 20140925T105124+0200 File /etc/grid-security/certificates/28a58577.r0.UP7900 valid: yes
fetch-crl[5041]: 20140925T105124+0200 File /etc/grid-security/certificates/28a58577.r0 valid: yes
fetch-crl[5041]: 20140925T105124+0200 processing '/etc/grid-security/certificates/HIAST.crl_url'
fetch-crl[5041]: 20140925T105124+0200 updating CRL 'HIAST GRID CA (74c6eaeab)'
fetch-crl[5041]: 20140925T105124+0200 File /etc/grid-security/certificates/74c6eaeab.r0 valid: yes
fetch-crl[5041]: 20140925T105124+0200 File /etc/grid-security/certificates/74c6eaeab.r0.wE7971 valid: yes
fetch-crl[5041]: 20140925T105124+0200 File /etc/grid-security/certificates/74c6eaeab.r0 valid: yes
fetch-crl[5041]: 20140925T105125+0200 processing '/etc/grid-security/certificates/HKU.crl_url'
fetch-crl[5041]: 20140925T105125+0200 updating CRL 'HKU Grid CA (4798da47)'
fetch-crl[5041]: 20140925T105125+0200 File /etc/grid-security/certificates/4798da47.r0 valid: yes
fetch-crl[5041]: 20140925T105125+0200 File /etc/grid-security/certificates/4798da47.r0.DE8039 valid: yes
fetch-crl[5041]: 20140925T105125+0200 File /etc/grid-security/certificates/4798da47.r0 valid: yes

fetch-crl[5041]: 20140925T105125+0200 processing '/etc/grid-security/certificates/HPCI.crl_url'
fetch-crl[5041]: 20140925T105127+0200 updating CRL 'HPCI CA (30351739)'
fetch-crl[5041]: 20140925T105127+0200 File /etc/grid-security/certificates/30351739.r0 valid: yes
fetch-crl[5041]: 20140925T105127+0200 processing '/etc/grid-security/certificates/IGCA.crl_url'
fetch-crl[5041]: 20140925T105128+0200 updating CRL 'Indian Grid Certification Authority (da75f6a8)'
fetch-crl[5041]: 20140925T105128+0200 File /etc/grid-security/certificates/da75f6a8.r0 valid: yes
fetch-crl[5041]: 20140925T105128+0200 File /etc/grid-security/certificates/da75f6a8.r0.kk8155 valid: yes
fetch-crl[5041]: 20140925T105128+0200 File /etc/grid-security/certificates/da75f6a8.r0 valid: yes
fetch-crl[5041]: 20140925T105128+0200 processing '/etc/grid-security/certificates/IHEP-2013.crl_url'
fetch-crl[5041]: 20140925T105129+0200 updating CRL 'Institute of High Energy Physics Certification Authority (39d30eba)'
fetch-crl[5041]: 20140925T105129+0200 File /etc/grid-security/certificates/39d30eba.r0 valid: yes
fetch-crl[5041]: 20140925T105129+0200 File /etc/grid-security/certificates/39d30eba.r0.di8226 valid: yes
fetch-crl[5041]: 20140925T105129+0200 File /etc/grid-security/certificates/39d30eba.r0 valid: yes
fetch-crl[5041]: 20140925T105129+0200 processing '/etc/grid-security/certificates/InCommon-IGTF-Server-CA.crl_url'
fetch-crl[5041]: 20140925T105129+0200 updating CRL 'InCommon IGTF Server CA (f5f0dfc2)'
fetch-crl[5041]: 20140925T105129+0200 File /etc/grid-security/certificates/f5f0dfc2.r0 valid: yes
fetch-crl[5041]: 20140925T105129+0200 File /etc/grid-security/certificates/f5f0dfc2.r0.Sz8297 valid: yes
fetch-crl[5041]: 20140925T105129+0200 File /etc/grid-security/certificates/f5f0dfc2.r0 valid: yes
fetch-crl[5041]: 20140925T105129+0200 processing '/etc/grid-security/certificates/INFN-CA-2006.crl_url'
fetch-crl[5041]: 20140925T105129+0200 updating CRL 'INFN CA (2f3fadf6)'
fetch-crl[5041]: 20140925T105129+0200 File /etc/grid-security/certificates/2f3fadf6.r0 valid: yes
fetch-crl[5041]: 20140925T105129+0200 File /etc/grid-security/certificates/2f3fadf6.r0.VR8368 valid: yes
fetch-crl[5041]: 20140925T105129+0200 File /etc/grid-security/certificates/2f3fadf6.r0 valid: yes
fetch-crl[5041]: 20140925T105129+0200 processing '/etc/grid-security/certificates/IRAN-GRID.crl_url'
fetch-crl[5041]: 20140925T105130+0200 updating CRL 'IRAN-GRID CA (ce33db76)'
fetch-crl[5041]: 20140925T105130+0200 File /etc/grid-security/certificates/ce33db76.r0 valid: yes

fetch-crl[5041]: 20140925T105130+0200 File /etc/grid-security/certificates/ce33db76.r0.WA8436 valid: yes
fetch-crl[5041]: 20140925T105130+0200 File /etc/grid-security/certificates/ce33db76.r0 valid: yes
fetch-crl[5041]: 20140925T105130+0200 processing '/etc/grid-security/certificates/KEK.crl_url'
fetch-crl[5041]: 20140925T105131+0200 updating CRL 'KEK GRID Certificate Authority (617ff41b)'
fetch-crl[5041]: 20140925T105131+0200 File /etc/grid-security/certificates/617ff41b.r0 valid: yes
fetch-crl[5041]: 20140925T105131+0200 File /etc/grid-security/certificates/617ff41b.r0.IE8504 valid: yes
fetch-crl[5041]: 20140925T105131+0200 File /etc/grid-security/certificates/617ff41b.r0 valid: yes
fetch-crl[5041]: 20140925T105131+0200 processing '/etc/grid-security/certificates/KISTI-2007.crl_url'
fetch-crl[5041]: 20140925T105133+0200 updating CRL 'KISTI Grid Certificate Authority (722e5071)'
fetch-crl[5041]: 20140925T105133+0200 File /etc/grid-security/certificates/722e5071.r0 valid: yes
fetch-crl[5041]: 20140925T105133+0200 File /etc/grid-security/certificates/722e5071.r0.Ud8877 valid: yes
fetch-crl[5041]: 20140925T105133+0200 File /etc/grid-security/certificates/722e5071.r0 valid: yes
fetch-crl[5041]: 20140925T105133+0200 processing '/etc/grid-security/certificates/LACGridCA.crl_url'
fetch-crl[5041]: 20140925T105133+0200 updating CRL 'UFF Latin American and Caribbean Catch-all Grid CA (a9082267)'
fetch-crl[5041]: 20140925T105133+0200 File /etc/grid-security/certificates/a9082267.r0 valid: yes
fetch-crl[5041]: 20140925T105133+0200 File /etc/grid-security/certificates/a9082267.r0.Vq8948 valid: yes
fetch-crl[5041]: 20140925T105133+0200 File /etc/grid-security/certificates/a9082267.r0 valid: yes
fetch-crl[5041]: 20140925T105133+0200 processing '/etc/grid-security/certificates/LIPCA.crl_url'
fetch-crl[5041]: 20140925T105133+0200 updating CRL 'LIP Certification Authority (11b4a5a2)'
fetch-crl[5041]: 20140925T105133+0200 File /etc/grid-security/certificates/11b4a5a2.r0 valid: yes
fetch-crl[5041]: 20140925T105133+0200 File /etc/grid-security/certificates/11b4a5a2.r0.JO9019 valid: yes
fetch-crl[5041]: 20140925T105133+0200 File /etc/grid-security/certificates/11b4a5a2.r0 valid: yes
fetch-crl[5041]: 20140925T105133+0200 processing '/etc/grid-security/certificates/MaGrid.crl_url'
fetch-crl[5041]: 20140925T105134+0200 updating CRL 'MaGrid CA (7b54708e)'
fetch-crl[5041]: 20140925T105134+0200 File /etc/grid-security/certificates/7b54708e.r0 valid: yes

fetch-crl[5041]: 20140925T105134+0200 File /etc/grid-security/certificates/7b54708e.r0.tN9087 valid: yes
fetch-crl[5041]: 20140925T105134+0200 File /etc/grid-security/certificates/7b54708e.r0 valid: yes
fetch-crl[5041]: 20140925T105134+0200 processing '/etc/grid-security/certificates/MARGI.crl_url'
fetch-crl[5041]: 20140925T105134+0200 updating CRL 'MARGI-CA (7d0d064a)'
fetch-crl[5041]: 20140925T105134+0200 File /etc/grid-security/certificates/7d0d064a.r0 valid: yes
fetch-crl[5041]: 20140925T105134+0200 File /etc/grid-security/certificates/7d0d064a.r0.Ds9159 valid: yes
fetch-crl[5041]: 20140925T105134+0200 File /etc/grid-security/certificates/7d0d064a.r0 valid: yes
fetch-crl[5041]: 20140925T105134+0200 processing '/etc/grid-security/certificates/MD-Grid.crl_url'
fetch-crl[5041]: 20140925T105134+0200 updating CRL 'MD-Grid CA (9ff26ea4)'
fetch-crl[5041]: 20140925T105134+0200 File /etc/grid-security/certificates/9ff26ea4.r0 valid: yes
fetch-crl[5041]: 20140925T105134+0200 File /etc/grid-security/certificates/9ff26ea4.r0.AH9230 valid: yes
fetch-crl[5041]: 20140925T105134+0200 File /etc/grid-security/certificates/9ff26ea4.r0 valid: yes
fetch-crl[5041]: 20140925T105134+0200 processing '/etc/grid-security/certificates/MREN-CA.crl_url'
fetch-crl[5041]: 20140925T105135+0200 updating CRL 'MREN-CA (3232b9bc)'
fetch-crl[5041]: 20140925T105135+0200 File /etc/grid-security/certificates/3232b9bc.r0 valid: yes
fetch-crl[5041]: 20140925T105135+0200 File /etc/grid-security/certificates/3232b9bc.r0.el9301 valid: yes
fetch-crl[5041]: 20140925T105135+0200 File /etc/grid-security/certificates/3232b9bc.r0 valid: yes
fetch-crl[5041]: 20140925T105135+0200 processing '/etc/grid-security/certificates/MYIFAM.crl_url'
fetch-crl[5041]: 20140925T105136+0200 updating CRL 'Malaysian Identity Federation and Access Management (d33760ec)'
fetch-crl[5041]: 20140925T105136+0200 File /etc/grid-security/certificates/d33760ec.r0 valid: yes
fetch-crl[5041]: 20140925T105136+0200 File /etc/grid-security/certificates/d33760ec.r0.Jz9369 valid: yes
fetch-crl[5041]: 20140925T105136+0200 File /etc/grid-security/certificates/d33760ec.r0 valid: yes
fetch-crl[5041]: 20140925T105136+0200 processing '/etc/grid-security/certificates/NAREGI.crl_url'
fetch-crl[5041]: 20140925T105137+0200 updating CRL 'NAREGI CA (a87d9192)'
fetch-crl[5041]: 20140925T105137+0200 File /etc/grid-security/certificates/a87d9192.r0 valid: yes
fetch-crl[5041]: 20140925T105137+0200 File /etc/grid-security/certificates/a87d9192.r0.wS9440 valid: yes
fetch-crl[5041]: 20140925T105137+0200 File /etc/grid-security/certificates/a87d9192.r0 valid: yes

fetch-crl[5041]: 20140925T105137+0200 processing '/etc/grid-security/certificates/NCHC.crl_url'
fetch-crl[5041]: 20140925T105138+0200 updating CRL 'NCHC CA (71a89a47)'
fetch-crl[5041]: 20140925T105138+0200 File /etc/grid-security/certificates/71a89a47.r0 valid: yes
fetch-crl[5041]: 20140925T105138+0200 File /etc/grid-security/certificates/71a89a47.r0.dh9511 valid: yes
fetch-crl[5041]: 20140925T105138+0200 File /etc/grid-security/certificates/71a89a47.r0 valid: yes
fetch-crl[5041]: 20140925T105138+0200 processing '/etc/grid-security/certificates/NCSA-mics.crl_url'
fetch-crl[5041]: 20140925T105139+0200 updating CRL 'CACL (9b95bbf2)'
fetch-crl[5041]: 20140925T105139+0200 File /etc/grid-security/certificates/9b95bbf2.r0 valid: yes
fetch-crl[5041]: 20140925T105139+0200 File /etc/grid-security/certificates/9b95bbf2.r0.QU9579 valid: yes
fetch-crl[5041]: 20140925T105139+0200 File /etc/grid-security/certificates/9b95bbf2.r0 valid: yes
fetch-crl[5041]: 20140925T105139+0200 processing '/etc/grid-security/certificates/NCSA-slcs-2013.crl_url'
fetch-crl[5041]: 20140925T105140+0200 updating CRL 'MyProxy CA 2013 (c36f6349)'
fetch-crl[5041]: 20140925T105140+0200 File /etc/grid-security/certificates/c36f6349.r0 valid: yes
fetch-crl[5041]: 20140925T105140+0200 File /etc/grid-security/certificates/c36f6349.r0.yq9651 valid: yes
fetch-crl[5041]: 20140925T105140+0200 File /etc/grid-security/certificates/c36f6349.r0 valid: yes
fetch-crl[5041]: 20140925T105140+0200 processing '/etc/grid-security/certificates/NCSA-slcs.crl_url'
fetch-crl[5041]: 20140925T105141+0200 updating CRL 'MyProxy (f2e89fe3)'
fetch-crl[5041]: 20140925T105141+0200 File /etc/grid-security/certificates/f2e89fe3.r0 valid: yes
fetch-crl[5041]: 20140925T105141+0200 File /etc/grid-security/certificates/f2e89fe3.r0.kX9719 valid: yes
fetch-crl[5041]: 20140925T105141+0200 File /etc/grid-security/certificates/f2e89fe3.r0 valid: yes
fetch-crl[5041]: 20140925T105141+0200 processing '/etc/grid-security/certificates/NCSA-tfca-2013.crl_url'
fetch-crl[5041]: 20140925T105141+0200 updating CRL 'Two Factor CA 2013 (ca157cee)'
fetch-crl[5041]: 20140925T105141+0200 File /etc/grid-security/certificates/ca157cee.r0 valid: yes
fetch-crl[5041]: 20140925T105141+0200 File /etc/grid-security/certificates/ca157cee.r0.ln9790 valid: yes
fetch-crl[5041]: 20140925T105141+0200 File /etc/grid-security/certificates/ca157cee.r0 valid: yes
fetch-crl[5041]: 20140925T105141+0200 processing '/etc/grid-security/certificates/NECTEC.crl_url'

fetch-crl[5041]: 20140925T105142+0200 updating CRL 'NECTEC GOC CA (8a047de1)'
fetch-crl[5041]: 20140925T105142+0200 File /etc/grid-security/certificates/8a047de1.r0 valid: yes
fetch-crl[5041]: 20140925T105142+0200 File /etc/grid-security/certificates/8a047de1.r0.XA9861 valid: yes
fetch-crl[5041]: 20140925T105142+0200 File /etc/grid-security/certificates/8a047de1.r0 valid: yes
fetch-crl[5041]: 20140925T105142+0200 processing '/etc/grid-security/certificates/NERSC-SLCS.crl_url'
fetch-crl[5041]: 20140925T105143+0200 updating CRL 'NERSC Online CA (b93d6240)'
fetch-crl[5041]: 20140925T105143+0200 File /etc/grid-security/certificates/b93d6240.r0 valid: yes
fetch-crl[5041]: 20140925T105143+0200 File /etc/grid-security/certificates/b93d6240.r0.bP9929 valid: yes
fetch-crl[5041]: 20140925T105143+0200 File /etc/grid-security/certificates/b93d6240.r0 valid: yes
fetch-crl[5041]: 20140925T105143+0200 processing '/etc/grid-security/certificates/NICS-MyProxy.crl_url'
fetch-crl[5041]: 20140925T105143+0200 updating CRL 'MyProxy (dc75341f)'
fetch-crl[5041]: 20140925T105143+0200 File /etc/grid-security/certificates/dc75341f.r0 valid: yes
fetch-crl[5041]: 20140925T105143+0200 File /etc/grid-security/certificates/dc75341f.r0.W10000 valid: yes
fetch-crl[5041]: 20140925T105143+0200 File /etc/grid-security/certificates/dc75341f.r0 valid: yes
fetch-crl[5041]: 20140925T105143+0200 processing '/etc/grid-security/certificates/NIIF.crl_url'
fetch-crl[5041]: 20140925T105144+0200 updating CRL 'NIIF Root CA (cc800af0)'
fetch-crl[5041]: 20140925T105144+0200 File /etc/grid-security/certificates/cc800af0.r0 valid: yes
fetch-crl[5041]: 20140925T105144+0200 File /etc/grid-security/certificates/cc800af0.r0.I10068 valid: yes
fetch-crl[5041]: 20140925T105144+0200 File /etc/grid-security/certificates/cc800af0.r0 valid: yes
fetch-crl[5041]: 20140925T105144+0200 processing '/etc/grid-security/certificates/NIKHEF.crl_url'
fetch-crl[5041]: 20140925T105144+0200 updating CRL 'NIKHEF medium-security certification auth (16da7552)'
fetch-crl[5041]: 20140925T105144+0200 File /etc/grid-security/certificates/16da7552.r0 valid: yes
fetch-crl[5041]: 20140925T105144+0200 File /etc/grid-security/certificates/16da7552.r0.B10136 valid: yes
fetch-crl[5041]: 20140925T105144+0200 File /etc/grid-security/certificates/16da7552.r0 valid: yes
fetch-crl[5041]: 20140925T105144+0200 processing '/etc/grid-security/certificates/NorduGrid.crl_url'
fetch-crl[5041]: 20140925T105144+0200 updating CRL 'NorduGrid Certification Authority (1f0e8352)'

fetch-crl[5041]: 20140925T105144+0200 File /etc/grid-security/certificates/1f0e8352.r0 valid: yes
fetch-crl[5041]: 20140925T105144+0200 File /etc/grid-security/certificates/1f0e8352.r0.E10204 valid: yes
fetch-crl[5041]: 20140925T105144+0200 File /etc/grid-security/certificates/1f0e8352.r0 valid: yes
fetch-crl[5041]: 20140925T105144+0200 processing '/etc/grid-security/certificates/PK-Grid-2007.crl_url'
fetch-crl[5041]: 20140925T105145+0200 updating CRL 'PK-GRID-CA (f5ead794)'
fetch-crl[5041]: 20140925T105145+0200 File /etc/grid-security/certificates/f5ead794.r0 valid: yes
fetch-crl[5041]: 20140925T105145+0200 File /etc/grid-security/certificates/f5ead794.r0.I10272 valid: yes
fetch-crl[5041]: 20140925T105145+0200 File /etc/grid-security/certificates/f5ead794.r0 valid: yes
fetch-crl[5041]: 20140925T105145+0200 processing '/etc/grid-security/certificates/pkIRISGrid.crl_url'
fetch-crl[5041]: 20140925T105146+0200 updating CRL 'IRISGridCA (9dd23746)'
fetch-crl[5041]: 20140925T105146+0200 File /etc/grid-security/certificates/9dd23746.r0 valid: yes
fetch-crl[5041]: 20140925T105146+0200 File /etc/grid-security/certificates/9dd23746.r0.G10340 valid: yes
fetch-crl[5041]: 20140925T105146+0200 File /etc/grid-security/certificates/9dd23746.r0 valid: yes
fetch-crl[5041]: 20140925T105146+0200 processing '/etc/grid-security/certificates/PolishGrid.crl_url'
fetch-crl[5041]: 20140925T105146+0200 updating CRL 'Polish Grid CA (8a661490)'
fetch-crl[5041]: 20140925T105146+0200 File /etc/grid-security/certificates/8a661490.r0 valid: yes
fetch-crl[5041]: 20140925T105146+0200 File /etc/grid-security/certificates/8a661490.r0.A10408 valid: yes
fetch-crl[5041]: 20140925T105146+0200 File /etc/grid-security/certificates/8a661490.r0 valid: yes
fetch-crl[5041]: 20140925T105146+0200 processing '/etc/grid-security/certificates/PSC-Myproxy-CA.crl_url'
fetch-crl[5041]: 20140925T105147+0200 updating CRL 'PSC MyProxy CA (4b2783ac)'
fetch-crl[5041]: 20140925T105147+0200 File /etc/grid-security/certificates/4b2783ac.r0 valid: yes
fetch-crl[5041]: 20140925T105147+0200 File /etc/grid-security/certificates/4b2783ac.r0.H10479 valid: yes
fetch-crl[5041]: 20140925T105147+0200 File /etc/grid-security/certificates/4b2783ac.r0 valid: yes
fetch-crl[5041]: 20140925T105147+0200 processing '/etc/grid-security/certificates/QuoVadis-Grid-ICA.crl_url'
fetch-crl[5041]: 20140925T105147+0200 updating CRL 'QuoVadis Grid ICA (e72045ce)'
fetch-crl[5041]: 20140925T105147+0200 File /etc/grid-security/certificates/e72045ce.r0 valid: yes

fetch-crl[5041]: 20140925T105148+0200 File /etc/grid-security/certificates/e72045ce.r0.m10550 valid: yes
fetch-crl[5041]: 20140925T105148+0200 File /etc/grid-security/certificates/e72045ce.r0 valid: yes
fetch-crl[5041]: 20140925T105148+0200 processing '/etc/grid-security/certificates/QuoVadis-Root-CA1.crl_url'
fetch-crl[5041]: 20140925T105148+0200 updating CRL 'QuoVadis Root Certification Authority (5cf9d536)'
fetch-crl[5041]: 20140925T105148+0200 File /etc/grid-security/certificates/5cf9d536.r0 valid: yes
fetch-crl[5041]: 20140925T105148+0200 File /etc/grid-security/certificates/5cf9d536.r0.R10621 valid: yes
fetch-crl[5041]: 20140925T105148+0200 File /etc/grid-security/certificates/5cf9d536.r0 valid: yes
fetch-crl[5041]: 20140925T105148+0200 processing '/etc/grid-security/certificates/RDIG.crl_url'
fetch-crl[5041]: 20140925T105148+0200 updating CRL 'Russian Data-Intensive Grid CA (55994d72)'
fetch-crl[5041]: 20140925T105148+0200 File /etc/grid-security/certificates/55994d72.r0 valid: yes
fetch-crl[5041]: 20140925T105148+0200 File /etc/grid-security/certificates/55994d72.r0.Q10690 valid: yes
fetch-crl[5041]: 20140925T105148+0200 File /etc/grid-security/certificates/55994d72.r0 valid: yes
fetch-crl[5041]: 20140925T105148+0200 processing '/etc/grid-security/certificates/REUNA-ca.crl_url'
fetch-crl[5041]: 20140925T105149+0200 updating CRL 'REUNA Certification Authority (295adc19)'
fetch-crl[5041]: 20140925T105149+0200 File /etc/grid-security/certificates/295adc19.r0 valid: yes
fetch-crl[5041]: 20140925T105149+0200 File /etc/grid-security/certificates/295adc19.r0.Q10761 valid: yes
fetch-crl[5041]: 20140925T105149+0200 File /etc/grid-security/certificates/295adc19.r0 valid: yes
fetch-crl[5041]: 20140925T105149+0200 processing '/etc/grid-security/certificates/RomanianGRID.crl_url'
fetch-crl[5041]: 20140925T105150+0200 updating CRL 'RomanianGRID CA (1f3834d0)'
fetch-crl[5041]: 20140925T105150+0200 File /etc/grid-security/certificates/1f3834d0.r0 valid: yes
fetch-crl[5041]: 20140925T105150+0200 File /etc/grid-security/certificates/1f3834d0.r0.d10832 valid: yes
fetch-crl[5041]: 20140925T105150+0200 File /etc/grid-security/certificates/1f3834d0.r0 valid: yes
fetch-crl[5041]: 20140925T105150+0200 processing '/etc/grid-security/certificates/SDG.crl_url'
fetch-crl[5041]: 20140925T105150+0200 updating CRL 'Scientific Data Grid CA (c48c63f3)'
fetch-crl[5041]: 20140925T105150+0200 File /etc/grid-security/certificates/c48c63f3.r0 valid: yes

fetch-crl[5041]: 20140925T105150+0200 File /etc/grid-security/certificates/c48c63f3.r0.r10900 valid: yes
fetch-crl[5041]: 20140925T105150+0200 File /etc/grid-security/certificates/c48c63f3.r0 valid: yes
fetch-crl[5041]: 20140925T105150+0200 processing '/etc/grid-security/certificates/seegrid-ca-2013.crl_url'
fetch-crl[5041]: 20140925T105151+0200 updating CRL 'SEE-GRID CA 2013 (da213f5b)'
fetch-crl[5041]: 20140925T105151+0200 File /etc/grid-security/certificates/da213f5b.r0 valid: yes
fetch-crl[5041]: 20140925T105151+0200 File /etc/grid-security/certificates/da213f5b.r0.Z10968 valid: yes
fetch-crl[5041]: 20140925T105151+0200 File /etc/grid-security/certificates/da213f5b.r0 valid: yes
fetch-crl[5041]: 20140925T105151+0200 processing '/etc/grid-security/certificates/SiGNET-CA.crl_url'
fetch-crl[5041]: 20140925T105151+0200 updating CRL 'SiGNET CA (3d5be7bc)'
fetch-crl[5041]: 20140925T105151+0200 File /etc/grid-security/certificates/3d5be7bc.r0 valid: yes
fetch-crl[5041]: 20140925T105151+0200 File /etc/grid-security/certificates/3d5be7bc.r0.G11041 valid: yes
fetch-crl[5041]: 20140925T105151+0200 File /etc/grid-security/certificates/3d5be7bc.r0 valid: yes
fetch-crl[5041]: 20140925T105151+0200 processing '/etc/grid-security/certificates/SlovakGrid.crl_url'
fetch-crl[5041]: 20140925T105151+0200 updating CRL 'SlovakGrid CA (e13e0fcf)'
fetch-crl[5041]: 20140925T105151+0200 File /etc/grid-security/certificates/e13e0fcf.r0 valid: yes
fetch-crl[5041]: 20140925T105151+0200 File /etc/grid-security/certificates/e13e0fcf.r0.n11112 valid: yes
fetch-crl[5041]: 20140925T105151+0200 File /etc/grid-security/certificates/e13e0fcf.r0 valid: yes
fetch-crl[5041]: 20140925T105151+0200 processing '/etc/grid-security/certificates/SRCE.crl_url'
fetch-crl[5041]: 20140925T105151+0200 updating CRL 'SRCE CA (ff94d436)'
fetch-crl[5041]: 20140925T105151+0200 File /etc/grid-security/certificates/ff94d436.r0 valid: yes
fetch-crl[5041]: 20140925T105152+0200 File /etc/grid-security/certificates/ff94d436.r0.E11183 valid: yes
fetch-crl[5041]: 20140925T105152+0200 File /etc/grid-security/certificates/ff94d436.r0 valid: yes
fetch-crl[5041]: 20140925T105152+0200 processing '/etc/grid-security/certificates/TERENAeSciencePersonalCA.crl_url'
fetch-crl[5041]: 20140925T105152+0200 updating CRL 'TERENA eScience Personal CA (169d7f9c)'
fetch-crl[5041]: 20140925T105152+0200 File /etc/grid-security/certificates/169d7f9c.r0 valid: yes
fetch-crl[5041]: 20140925T105152+0200 File /etc/grid-security/certificates/169d7f9c.r0.r11254 valid: yes

fetch-crl[5041]: 20140925T105152+0200 File /etc/grid-security/certificates/169d7f9c.r0 valid: yes
fetch-crl[5041]: 20140925T105152+0200 processing '/etc/grid-security/certificates/TERENA-eScience-SSL-CA.crl_url'
fetch-crl[5041]: 20140925T105152+0200 updating CRL 'TERENA eScience SSL CA (20ce830e)'
fetch-crl[5041]: 20140925T105152+0200 File /etc/grid-security/certificates/20ce830e.r0 valid: yes
fetch-crl[5041]: 20140925T105152+0200 File /etc/grid-security/certificates/20ce830e.r0.W11325 valid: yes
fetch-crl[5041]: 20140925T105152+0200 File /etc/grid-security/certificates/20ce830e.r0 valid: yes
fetch-crl[5041]: 20140925T105152+0200 processing '/etc/grid-security/certificates/TRGrid.crl_url'
fetch-crl[5041]: 20140925T105152+0200 updating CRL 'TR-Grid CA (1691b9ba)'
fetch-crl[5041]: 20140925T105152+0200 File /etc/grid-security/certificates/1691b9ba.r0 valid: yes
fetch-crl[5041]: 20140925T105152+0200 File /etc/grid-security/certificates/1691b9ba.r0.Y11396 valid: yes
fetch-crl[5041]: 20140925T105152+0200 File /etc/grid-security/certificates/1691b9ba.r0 valid: yes
fetch-crl[5041]: 20140925T105152+0200 processing '/etc/grid-security/certificates/UGRID.crl_url'
fetch-crl[5041]: 20140925T105153+0200 updating CRL 'UGRID CA (0a12b607)'
fetch-crl[5041]: 20140925T105153+0200 File /etc/grid-security/certificates/0a12b607.r0 valid: yes
fetch-crl[5041]: 20140925T105153+0200 File /etc/grid-security/certificates/0a12b607.r0.y11467 valid: yes
fetch-crl[5041]: 20140925T105153+0200 File /etc/grid-security/certificates/0a12b607.r0 valid: yes
fetch-crl[5041]: 20140925T105153+0200 processing '/etc/grid-security/certificates/UKeScienceCA-2A.crl_url'
fetch-crl[5041]: 20140925T105153+0200 updating CRL 'UK e-Science CA 2A (1b6f5ede)'
fetch-crl[5041]: 20140925T105153+0200 File /etc/grid-security/certificates/1b6f5ede.r0 valid: yes
fetch-crl[5041]: 20140925T105153+0200 File /etc/grid-security/certificates/1b6f5ede.r0.G11538 valid: yes
fetch-crl[5041]: 20140925T105153+0200 File /etc/grid-security/certificates/1b6f5ede.r0 valid: yes
fetch-crl[5041]: 20140925T105153+0200 processing '/etc/grid-security/certificates/UKeScienceCA-2B.crl_url'
fetch-crl[5041]: 20140925T105153+0200 updating CRL 'UK e-Science CA 2B (ffc3d59b)'
fetch-crl[5041]: 20140925T105153+0200 File /etc/grid-security/certificates/ffc3d59b.r0 valid: yes
fetch-crl[5041]: 20140925T105153+0200 File /etc/grid-security/certificates/ffc3d59b.r0.q11609 valid: yes
fetch-crl[5041]: 20140925T105153+0200 File /etc/grid-security/certificates/ffc3d59b.r0 valid: yes

fetch-crl[5041]: 20140925T105153+0200 processing '/etc/grid-security/certificates/UKeScienceRoot-2007.crl_url'
fetch-crl[5041]: 20140925T105153+0200 updating CRL 'UK e-Science Root (98ef0ee5)'
fetch-crl[5041]: 20140925T105153+0200 File /etc/grid-security/certificates/98ef0ee5.r0 valid: yes
fetch-crl[5041]: 20140925T105153+0200 File /etc/grid-security/certificates/98ef0ee5.r0.u11680 valid: yes
fetch-crl[5041]: 20140925T105153+0200 File /etc/grid-security/certificates/98ef0ee5.r0 valid: yes
fetch-crl[5041]: 20140925T105153+0200 processing '/etc/grid-security/certificates/ULAGrid-CA-2008.crl_url'
fetch-crl[5041]: 20140925T105154+0200 updating CRL 'ULAGrid Certification Authority (3f0f4285)'
fetch-crl[5041]: 20140925T105154+0200 File /etc/grid-security/certificates/3f0f4285.r0 valid: yes
fetch-crl[5041]: 20140925T105154+0200 File /etc/grid-security/certificates/3f0f4285.r0.L11751 valid: yes
fetch-crl[5041]: 20140925T105154+0200 File /etc/grid-security/certificates/3f0f4285.r0 valid: yes
fetch-crl[5041]: 20140925T105154+0200 processing '/etc/grid-security/certificates/UNAMgrid-ca.crl_url'
fetch-crl[5041]: 20140925T105156+0200 updating CRL 'CA (24c3ccde)'
fetch-crl[5041]: 20140925T105156+0200 File /etc/grid-security/certificates/24c3ccde.r0 valid: yes
fetch-crl[5041]: 20140925T105156+0200 File /etc/grid-security/certificates/24c3ccde.r0.X11822 valid: yes
fetch-crl[5041]: 20140925T105156+0200 File /etc/grid-security/certificates/24c3ccde.r0 valid: yes
fetch-crl[5041]: 20140925T105156+0200 processing '/etc/grid-security/certificates/UniandesCA.crl_url'
fetch-crl[5041]: 20140925T105156+0200 updating CRL 'Uniandes CA (fc1898ec)'
fetch-crl[5041]: 20140925T105156+0200 File /etc/grid-security/certificates/fc1898ec.r0 valid: yes
fetch-crl[5041]: 20140925T105156+0200 File /etc/grid-security/certificates/fc1898ec.r0.o11893 valid: yes
fetch-crl[5041]: 20140925T105156+0200 File /etc/grid-security/certificates/fc1898ec.r0 valid: yes
fetch-crl[5041]: 20140925T105156+0200 processing '/etc/grid-security/certificates/UNLPGrid.crl_url'
fetch-crl[5041]: 20140925T105157+0200 updating CRL 'PKIGrid (b7bcb7b2)'
fetch-crl[5041]: 20140925T105157+0200 File /etc/grid-security/certificates/b7bcb7b2.r0 valid: yes
fetch-crl[5041]: 20140925T105157+0200 File /etc/grid-security/certificates/b7bcb7b2.r0.Q11964 valid: yes
fetch-crl[5041]: 20140925T105157+0200 File /etc/grid-security/certificates/b7bcb7b2.r0 valid: yes
fetch-crl[5041]: 20140925T105157+0200 processing '/etc/grid-security/certificates/UTNAAAClient.crl_url'

```
fetch-crl[5041]: 20140925T105157+0200 updating CRL 'UTN-USERFirst-Client
Authentication and Email (9ec3a561)'
fetch-crl[5041]: 20140925T105157+0200 File /etc/grid-
security/certificates/9ec3a561.r0 valid: yes
fetch-crl[5041]: 20140925T105158+0200 File /etc/grid-
security/certificates/9ec3a561.r0.x12035 valid: yes
fetch-crl[5041]: 20140925T105158+0200 File /etc/grid-
security/certificates/9ec3a561.r0 valid: yes
fetch-crl[5041]: 20140925T105158+0200 processing '/etc/grid-
security/certificates/UTN-USERFirst-Hardware.crl_url'
fetch-crl[5041]: 20140925T105158+0200 updating CRL 'UTN-USERFirst-Hardware
(ff783690)'
fetch-crl[5041]: 20140925T105158+0200 File /etc/grid-security/certificates/ff783690.r0
valid: yes
fetch-crl[5041]: 20140925T105158+0200 File /etc/grid-
security/certificates/ff783690.r0.b12106 valid: yes
fetch-crl[5041]: 20140925T105158+0200 File /etc/grid-security/certificates/ff783690.r0
valid: yes
fetch-crl[5041]: 20140925T105158+0200 Completed CRL retrieval process at
20140925T105158+0200
[root@test30 yum.repos.d]#
```

```
}}}
```

CAs were updated on all the services from the SA2 verification testbed. Everything was correct during the installation including the renaming of ca_SWITCH-QuoVadis-Grid-ICA.noarch 0:1.58-1 by ca_QuoVadis-Grid-ICA-1.59-1.noarch. However, I have to comment that after updating the CAs on the Nagios from verification, <https://test23.egi.cesga.es/nagios/cgi-bin/status.cgi?host=test23.egi.cesga.es> , I can see the Nagios service is failing the following test :

<https://test23.egi.cesga.es/nagios/cgi-bin/extinfo.cgi?type=2&host=test23.egi.cesga.es&service=eu.egi.sec.CRL>

```
{{{
```

ERROR: Some errors found. Please check details.

Using certificates dir : /etc/grid-security/certificates

/C=SY/O=HIAST/CN=HIAST GRID CA (HIAST.pem) CRL expired 122 hours

ago

```
}}}
```

I guess it is because HIAST CA has not renewed their CRLs yet but I prefer to comment it in any case.

Additional Info
