

D4Science Infrastructure - Task #4243

Migrate SSL certificate from GARR/TERENA to Let's Encrypt

Jun 14, 2016 03:32 PM - Tommaso Piccioli

Status:	Closed	Start date:	Feb 13, 2017
Priority:	Normal	Due date:	Feb 18, 2017
Assignee:	_InfraScience Systems Engineer	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	UnSprintable		
Infrastructure:	Production		
Description			
These are the expiration dates of current TERENA SSL certificate			
May 28 23:59:59 2016 GMT cert-4781- www.i-marine.d4science.org.pem			
Jun 20 23:59:59 2016 GMT cert-4915- www.d4science.org.pem			
Jun 20 23:59:59 2016 GMT cert-4916- www.eubrazilopenbio.d4science.org.pem			
Sep 2 23:59:59 2016 GMT cert-5264-support.d4science.org.pem			
Feb 18 23:59:59 2017 GMT cert-6287-sp.d4science.org.pem			
Feb 18 23:59:59 2017 GMT cert-6288-social.isti.cnr.it.pem			
Mar 10 23:59:59 2017 GMT cert-6402-support.social.isti.cnr.it.pem			
Mar 17 23:59:59 2017 GMT cert-6456-cotrix.d4science.org.pem			
Mar 25 23:59:59 2017 GMT cert-6510-smartfish.d4science.org.pem			
Apr 29 23:59:59 2017 GMT cert-7006-dev2.d4science.org.pem			
Apr 29 23:59:59 2017 GMT cert-7007-bionym.d4science.org.pem			
Jun 10 23:59:59 2017 GMT cert-7258-cotrix-dev.d4science.org.pem			
Jun 30 23:59:59 2017 GMT cert-7369-egip.d4science.org.pem			
Jul 22 23:59:59 2017 GMT cert-7467-virtuoso.i-marine.d4science.org.pem			
Aug 7 23:59:59 2017 GMT cert-7556-geothermcatalog.d4science.org.pem			
Jan 20 23:59:59 2018 GMT cert-8523-smartforms.d4science.org.pem			
Feb 18 23:59:59 2018 GMT cert-8733-vre.d4science.org.pem			
Feb 19 23:59:59 2018 GMT cert-8742-services.d4science.org.pem			
Mar 1 23:59:59 2018 GMT cert-8823-chimaera.d4science.org.pem			
Mar 17 23:59:59 2018 GMT cert-8942- www.gcube-system.org.pem			
Mar 31 23:59:59 2018 GMT cert-9008-support.gcube-system.org.pem			
Apr 9 23:59:59 2018 GMT cert-9055-wiki.d4science.org.pem			
Apr 9 23:59:59 2018 GMT cert-9056-wiki.gcube-system.org.pem			
Apr 9 23:59:59 2018 GMT cert-9057-svn.research-infrastructures.eu.pem			
Jun 15 23:59:59 2018 GMT cert-9899-descramble.d4science.org.pem			
Jun 18 23:59:59 2018 GMT cert-9919-workspace-repository-dev.research-infrastructures.eu.pem			
Jun 24 23:59:59 2018 GMT cert-9974-workspace-repository.d4science.org.pem			
Jun 25 23:59:59 2018 GMT cert-9981-bluebridge.d4science.org.pem			
Jun 25 23:59:59 2018 GMT cert-9982-accounting-d4s.d4science.org.pem			
Jun 25 23:59:59 2018 GMT cert-9983-couchdb-d4s.d4science.org.pem			
Jun 25 23:59:59 2018 GMT cert-9991-ci.d4science.org.pem			
Jun 25 23:59:59 2018 GMT cert-9992-nexus.d4science.org.pem			
Jun 25 23:59:59 2018 GMT cert-9993-ci.research-infrastructures.eu.pem			
Subtasks:			
Task # 7086: Convert sp.d4science.org to letsencrypt certificates			Closed
Task # 7087: Convert social.isti.cnr.it and support.social.isti.cnr.it certificates to ...			Closed
Task # 7339: Configure cotrix.d4science.org to use letsencrypt certificates			Rejected
Task # 8108: Reconfigure smartfish.d4science.org to use letsencrypt certificates			Closed
Related issues:			
Related to D4Science Infrastructure - Task #4765: Renew the wiki certificates		Closed	Jul 19, 2016
Blocks D4Science Infrastructure - Task #11394: Dismiss certs.research-infrast...		Closed	Mar 07, 2018

History

#1 - Jun 14, 2016 03:36 PM - Tommaso Piccioli

www.i-marine.d4science.org already migrated to Let's Encrypt

www.eubrazilopenbio.d4science.org no more used

www.d4science.org is very close to the expiring date (Jun 20 23:59:59 2016 GMT)

support.d4science.org will be the next this year (Sep 2 23:59:59 2016 GMT)

#2 - Jun 21, 2016 02:55 PM - Andrea Dell'Amico

- Status changed from New to In Progress

I generated with letsencrypt:

portal.d4science.org
www.d4science.org
www.gcube-system.org

They are on the same host (www.d4science.org and www.gcube-system.org also have different IPs, but it seems that they are not needed?)

#3 - Aug 12, 2016 05:34 PM - Andrea Dell'Amico

- Related to Task #4765: Renew the wiki certificates added

#4 - Feb 13, 2017 06:30 PM - Tommaso Piccioli

Today status:

Feb 18 23:59:59 2017 GMT cert-6287-sp.d4science.org.pem
Feb 18 23:59:59 2017 GMT cert-6288-social.isti.cnr.it.pem
Mar 10 23:59:59 2017 GMT cert-6402-support.social.isti.cnr.it.pem
Mar 17 23:59:59 2017 GMT cert-6456-cotrix.d4science.org.pem
Mar 25 23:59:59 2017 GMT cert-6510-smartfish.d4science.org.pem
Jun 10 23:59:59 2017 GMT cert-7258-cotrix-dev.d4science.org.pem
Jul 22 23:59:59 2017 GMT cert-7467-virtuoso.i-marine.d4science.org.pem
Aug 7 23:59:59 2017 GMT cert-7556-geothermcatalog.d4science.org.pem
Mar 1 23:59:59 2018 GMT cert-8823-chimaera.d4science.org.pem
Apr 9 23:59:59 2018 GMT cert-9057-svn.research-infrastructures.eu.pem
Jun 18 23:59:59 2018 GMT cert-9919-workspace-repository-dev.research-infrastructures.eu.pem
Jun 24 23:59:59 2018 GMT cert-9974-workspace-repository.d4science.org.pem
Jun 25 23:59:59 2018 GMT cert-9982-accounting-d4s.d4science.org.pem
Jun 25 23:59:59 2018 GMT cert-9983-couchdb-d4s.d4science.org.pem
Jun 25 23:59:59 2018 GMT cert-9991-ci.d4science.org.pem
Jun 25 23:59:59 2018 GMT cert-9992-nexus.d4science.org.pem
Jun 25 23:59:59 2018 GMT cert-9993-ci.research-infrastructures.eu.pem

- ci.research-infrastructures.eu and ci.d4science.org are the same host
- chimaera and smartfish are the same host
- on couchdb and nexus/maven we never used SSL
- geothermcatalog.d4science.org is on al IGG host
- virtuoso.i-marine.d4science.org is on a nkua host and it seems to not use SSL, probably an old alias

#5 - Feb 16, 2017 08:10 PM - Tommaso Piccioli

INFN

Mar 10 13:59:07 2017 GMT gitorious.research-infrastructures.eu /C=IT/O=INFN/OU=Host/L=NMIS-ISTI/CN=gitorious.research-infrastructures.eu
Apr 26 13:41:47 2017 GMT manage.research-infrastructures.eu /C=IT/O=INFN/OU=Host/L=NMIS-ISTI/CN=manage.research-infrastructures.eu

GARR

Mar 10 23:59:59 2017 GMT cert-6402-support.social.isti.cnr.it.pem
Mar 17 23:59:59 2017 GMT cert-6456-cotrix.d4science.org.pem
Mar 25 23:59:59 2017 GMT cert-6510-smartfish.d4science.org.pem
Jun 10 23:59:59 2017 GMT cert-7258-cotrix-dev.d4science.org.pem
Jul 22 23:59:59 2017 GMT cert-7467-virtuoso.i-marine.d4science.org.pem
Aug 7 23:59:59 2017 GMT cert-7556-geothermcatalog.d4science.org.pem
Mar 1 23:59:59 2018 GMT cert-8823-chimaera.d4science.org.pem
Apr 9 23:59:59 2018 GMT cert-9057-svn.research-infrastructures.eu.pem
Jun 18 23:59:59 2018 GMT cert-9919-workspace-repository-dev.research-infrastructures.eu.pem
Jun 24 23:59:59 2018 GMT cert-9974-workspace-repository.d4science.org.pem
Jun 25 23:59:59 2018 GMT cert-9982-accounting-d4s.d4science.org.pem
Jun 25 23:59:59 2018 GMT cert-9983-couchdb-d4s.d4science.org.pem
Jun 25 23:59:59 2018 GMT cert-9991-ci.d4science.org.pem
Jun 25 23:59:59 2018 GMT cert-9992-nexus.d4science.org.pem
Jun 25 23:59:59 2018 GMT cert-9993-ci.research-infrastructures.eu.pem

#6 - Apr 07, 2017 10:18 AM - Tommaso Piccioli

INFN

Mar 10 13:59:07 2017 GMT gitorious.research-infrastructures.eu /C=IT/O=INFN/OU=Host/L=NMIS-ISTI/CN=gitorious.research-infrastructures.eu (!!! already out of time, still needed?)

Apr 26 13:41:47 2017 GMT manage.research-infrastructures.eu /C=IT/O=INFN/OU=Host/L=NMIS-ISTI/CN=manage.research-infrastructures.eu

GARR

Mar 25 23:59:59 2017 GMT cert-6510-smartfish.d4science.org.pem (!!! already out of time)

Jul 22 23:59:59 2017 GMT cert-7467-virtuoso.i-marine.d4science.org.pem (still needed?)

Aug 7 23:59:59 2017 GMT cert-7556-geothermcatalog.d4science.org.pem

Mar 1 23:59:59 2018 GMT cert-8823-chimaera.d4science.org.pem

Apr 9 23:59:59 2018 GMT cert-9057-svn.research-infrastructures.eu.pem

Jun 24 23:59:59 2018 GMT cert-9974-workspace-repository.d4science.org.pem

Jun 25 23:59:59 2018 GMT cert-9982-accounting-d4s.d4science.org.pem

Jun 25 23:59:59 2018 GMT cert-9983-couchdb-d4s.d4science.org.pem (to be dismissed)

Jun 25 23:59:59 2018 GMT cert-9991-ci.d4science.org.pem

Jun 25 23:59:59 2018 GMT cert-9992-nexus.d4science.org.pem (not used at the moment)

Jun 25 23:59:59 2018 GMT cert-9993-ci.research-infrastructures.eu.pem

#7 - Apr 07, 2017 12:37 PM - Andrea Dell'Amico

Tommaso Piccioli wrote:

INFN

Mar 10 13:59:07 2017 GMT gitorious.research-infrastructures.eu

/C=IT/O=INFN/OU=Host/L=NMIS-ISTI/CN=gitorious.research-infrastructures.eu (!!! already out of time, still needed?)

Yes but it's internal only. We can live with it until we can kill that service.

GARR

Mar 25 23:59:59 2017 GMT cert-6510-smartfish.d4science.org.pem (!!! already out of time)

Jul 22 23:59:59 2017 GMT cert-7467-virtuoso.i-marine.d4science.org.pem (still needed?)

I don't know anything about these ones. The second one is even outside our network:

host virtuoso.i-marine.d4science.org

virtuoso.i-marine.d4science.org is an alias for dl048.madgik.di.uoa.gr.

dl048.madgik.di.uoa.gr has address 88.197.53.48

dl048.madgik.di.uoa.gr has IPv6 address 64:ff9b::58c5:3530

@pasquale.pagano@isti.cnr.it any hints?

#8 - Apr 07, 2017 12:56 PM - Tommaso Piccioli

smartfish.d4science.org and chimaera.d4science.org are the same host/service.

Both have the same service on port 80, while on the port 443 (SSL) the portal does not end a "portal loading" phase.

It is long time we have lost control on this host, we only provided the SSL keys (that apparently they never use it).

#9 - Apr 07, 2017 03:53 PM - Pasquale Pagano

virtuoso.i-marine.d4science.org is a service that we exploit. It is located on the University of Athens site. What else I should report? We would continue to host it in that site.

#10 - Apr 10, 2017 11:18 AM - Andrea Dell'Amico

Pasquale Pagano wrote:

virtuoso.i-marine.d4science.org is a service that we exploit. It is located on the University of Athens site. What else I should report? We would continue to host it in that site.

OK. So we need to ask UoA if they are able to start using letsencrypt to manage that certificate. Otherwise we will need to find a responsive certificate provider. @roberto.cirillo@isti.cnr.it is Kostas still the contact there?

About smartfish.d4science.org. Is it still in use? If so we will have to provision at least the letsencrypt/apache part.

#11 - Apr 11, 2017 08:50 PM - Pasquale Pagano

Andrea Dell'Amico wrote:

Pasquale Pagano wrote:

virtuoso.i-marine.d4science.org is a service that we exploit. It is located on the University of Athens site. What else I should report? We would continue to host it in that site.

OK. So we need to ask UoA if they are able to start using letsencrypt to manage that certificate. Otherwise we will need to find a responsive certificate provider. @roberto.cirillo@isti.cnr.it is Kostas still the contact there?

Yes, as far as i know.

About smartfish.d4science.org. Is it still in use? If so we will have to provision at least the letsencrypt/apache part.

Yes, it is still in use. Please start of provisioning of the certificate for it.

#12 - Apr 14, 2017 05:44 PM - Andrea Dell'Amico

I was not able to make letsencrypt work on manage.d4science.org. The distribution is too old, even after having gathered all the missing CA certificates the procedure still fails. I can only think of moving all those services behind a reverse proxy that lives on a different host.

#13 - Apr 14, 2017 06:43 PM - Tommaso Piccioli

Or we can go on with the INFN certificate for the services on manage.

#14 - Apr 15, 2017 03:33 PM - Andrea Dell'Amico

Tommaso Piccioli wrote:

Or we can go on with the INFN certificate for the services on manage.

Yes. Better, maybe.

#15 - Mar 07, 2018 06:30 PM - Andrea Dell'Amico

From that list the only missing host seems to be svn.research-infrastructures.eu. Another reason to move the service on a new host (and rename it, but I guess that the current name is going to stay for a while).

#17 - Mar 07, 2018 06:33 PM - Andrea Dell'Amico

- Blocks Task #11394: Dismiss certs.research-infrastructures.eu added

#18 - Apr 09, 2018 07:15 PM - Tommaso Piccioli

Andrea Dell'Amico wrote:

From that list the only missing host seems to be svn.research-infrastructures.eu. Another reason to move the service on a new host (and rename it, but I guess that the current name is going to stay for a while).

Waiting for #2661, new certificate for svn.research-infrastructures.eu from TERENA, "Validity not after: Jul 8 00:00:00 2020 GMT"

#19 - Apr 10, 2018 02:20 PM - Alessia Bardi

I get a message regarding problems with the certificate on the svn server:

```
alessia@nb-bardi:~/workspace45/dnet-download-service$ svn info
Path: .
Working Copy Root Path: /Users/alessia/workspace45/dnet-download-service
URL: https://svn.driver.research-infrastructures.eu/driver/dnet45/modules/dnet-download-service/trunk
Relative URL: ^/dnet45/modules/dnet-download-service/trunk
Repository Root: https://svn.driver.research-infrastructures.eu/driver
[. . .]

alessia@nb-bardi:~/workspace45/dnet-download-service$ svn up
Updating '.':
Error validating server certificate for 'https://svn.driver.research-infrastructures.eu:443':
- The certificate is not issued by a trusted authority. Use the
  fingerprint to validate the certificate manually!
- The certificate hostname does not match.
Certificate information:
- Hostname: svn.research-infrastructures.eu
- Valid: from Apr  5 00:00:00 2018 GMT until Jul  8 00:00:00 2020 GMT
- Issuer: TERENA SSL CA 3, TERENA, Amsterdam, Noord-Holland, NL
- Fingerprint: D2:A1:5C:48:5A:A4:1D:D2:91:D5:68:A4:5F:71:E6:55:21:63:F1:47
```

Note the line "- The certificate hostname does not match.". I have accepted the certificate anyway, but you may want to do something to solve it.

#20 - Nov 07, 2018 01:41 PM - Andrea Dell'Amico

- Status changed from In Progress to Closed

We can close this one.