New IITD CA Certification Installation Procedure

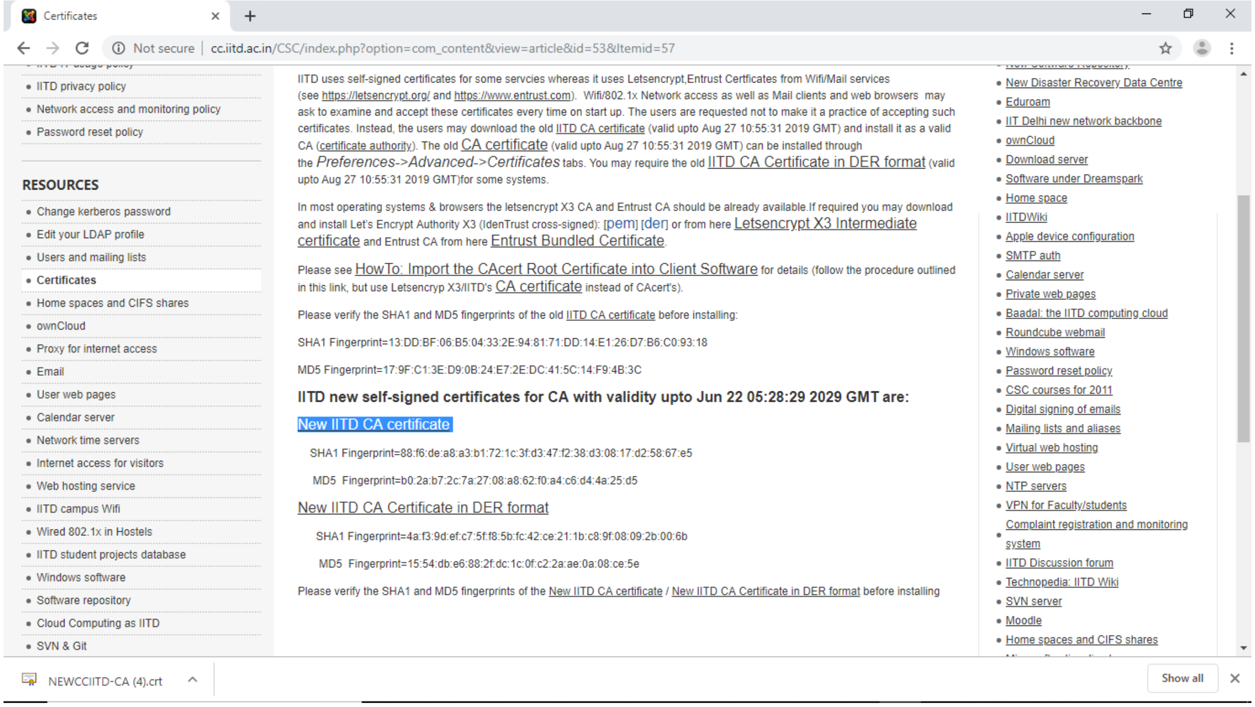
(All Windows Operating System)

For Google chrome:-

Download Certificate from below path

http://www.cc.iitd.ac.in/CSC/index.php?option=com_content&view=article&id=53&Itemid=57

1. With the help of left click select New IITD CA certificate.



IITD uses self-signed certificates for some servcies whereas it uses Letsencrypt,Entrust Certficates from Wifi/Mail services (see https://letsencrypt.org/ and https://www.entrust.com). Wifi/802.1x Network access as well as Mail clients and web browsers may ask to examine and accept these certificates every time on start up. The users are requested not to make it a practice of accepting such certificates. Instead, the users may download the old IITD CA certificate (valid upto Aug 27 10:55:31 2019 GMT) and install it as a valid CA (certificate authority). The old CA certificate (valid upto Aug 27 10:55:31 2019 GMT) can be installed through the *Preferences->Advanced->Certificates* tabs. You may require the old IITD CA Certificate in DER format (valid upto Aug 27 10:55:31 2019 GMT)for some systems.

In most operating systems & browsers the letsencrypt X3 CA and Entrust CA should be already available.If required you may download and install Let's Encrypt Authority X3 (IdenTrust cross-signed): [pem] [der] or from here Letsencrypt X3 Intermediate certificate and Entrust CA from here Entrust Bundled Certificate.

Please see HowTo: Import the CAcert Root Certificate into Client Software for details (follow the procedure outlined in this link, but use Letsencryp X3/IITD's CA certificate instead of CAcert's).

Please verify the SHA1 and MD5 fingerprints of the old IITD CA certificate before installing:

SHA1 Fingerprint=13:DD:BF:06:B5:04:33:2E:94:81:71:DD:14:E1:26:D7:B6:C0:93:18

MD5 Fingerprint=17:9F:C1:3E:D9:0B:24:E7:2E:DC:41:5C:14:F9:4B:3C

IITD new self-signed certificates for CA with validity upto Jun 22 05:28:29 2029 GMT are:

New IITD CA certificate

SHA1 Fingerprint=88:f6:de:a8:a3:b1:72:1c:3f:d3:47:f2:38:d3:08:17:d2:58:67:e5

MD5 Fingerprint=b0:2a:b7:2c:7a:27:08:a8:62:f0:a4:c6:d4:4a:25:d5

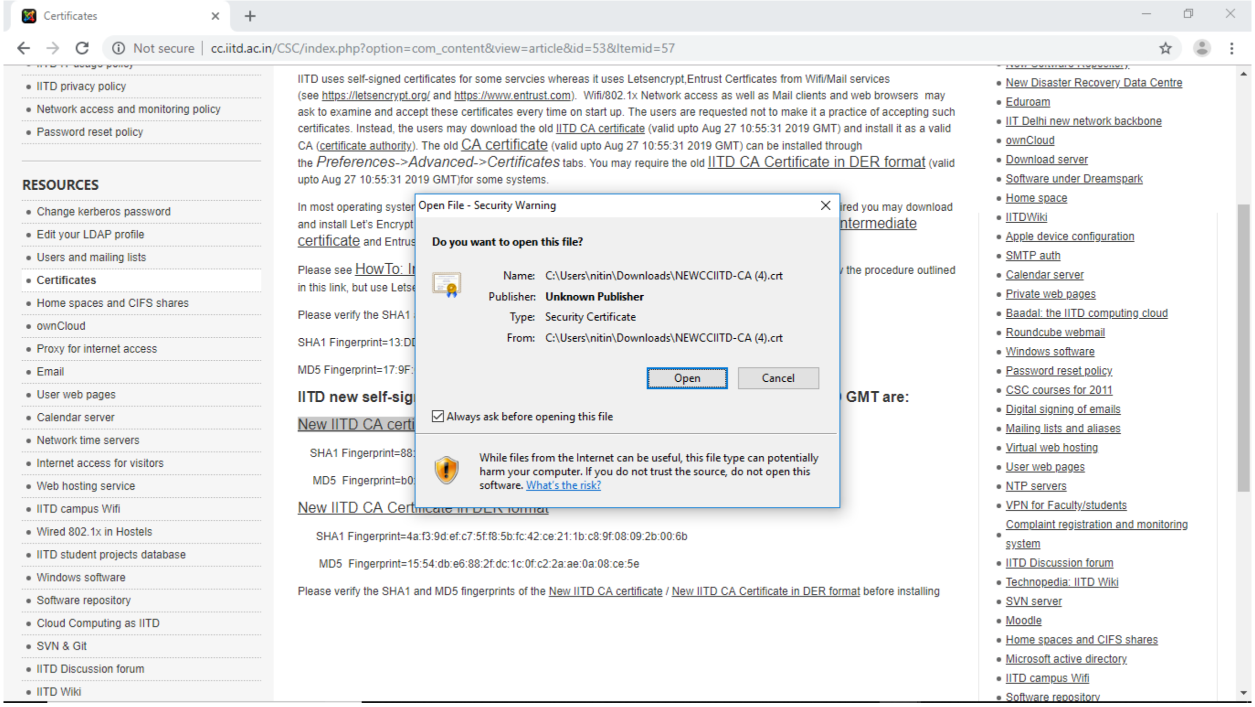
New IITD CA Certificate in DER format

SHA1 Fingerprint=4a:f3:9d:ef:c7:5f:f8:5b:fc:42:ce:21:1b:c8:9f:08:09:2b:00:6b

MD5 Fingerprint=15:54:db:e6:88:2f:dc:1c:0f:c2:2a:ae:0a:08:ce:5e

Please verify the SHA1 and MD5 fingerprints of the New IITD CA certificate / New IITD CA Certificate in DER format before installing

2. A certificate will be download, run the certificate and click on open.



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Please see HowTo: I the procedure outlined in this link, but use Letse

Please verify the SHA1

SHA1 Fingerprint=13:DI

MD5 Fingerprint=17:9F:

IITD new self-sig GMT are:

New IITD CA certi

SHA1 Fingerprint=88:

MD5 Fingerprint=b0:

New IITD CA Certificate in DER format

SHA1 Fingerprint=4a:f3:9d:ef:c7:5f:f8:5b:fc:42:ce:21:1b:c8:9f:08:09:2b:00:6b

MD5 Fingerprint=15:54:db:e6:88:2f:dc:1c:0f:c2:2a:ae:0a:08:ce:5e

Please verify the SHA1 and MD5 fingerprints of the New IITD CA certificate / New IITD CA Certificate in DER format before installing

Open File - Security Warning

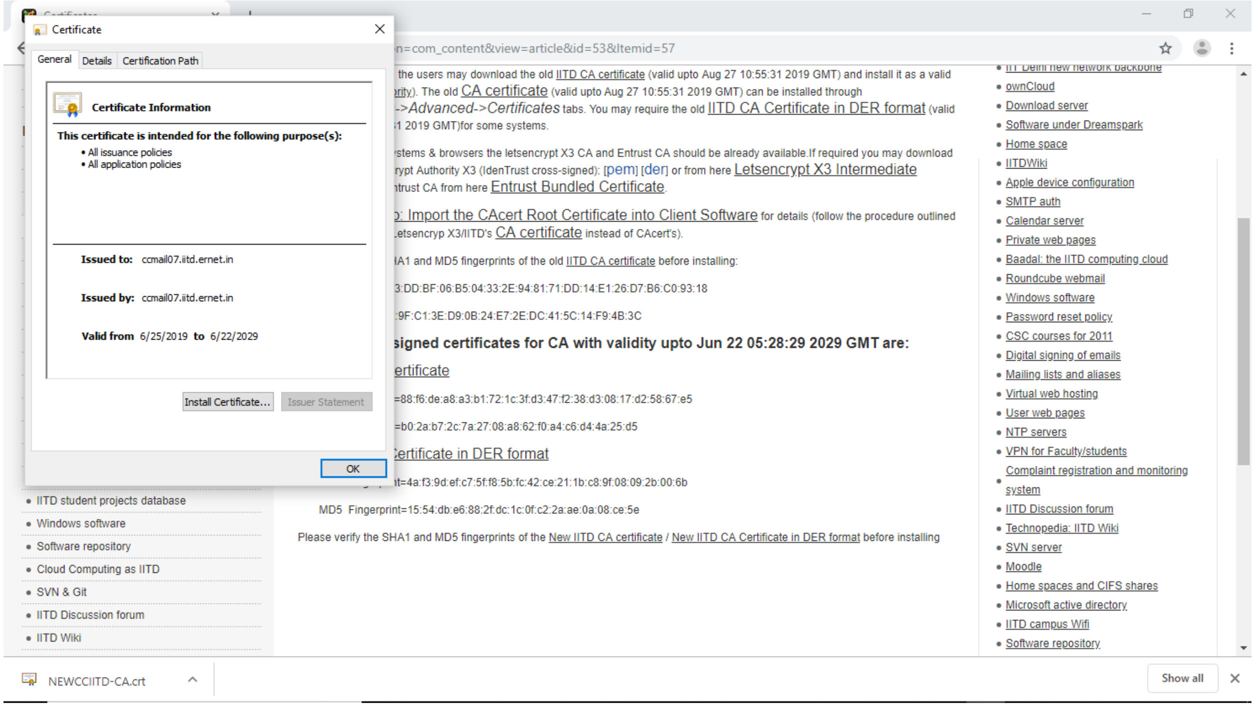
Do you want to open this file?

Name: C:\Users\nitin\Downloads\NEWCCIITD-CA (4).crt
Publisher: **Unknown Publisher**
Type: Security Certificate
From: C:\Users\nitin\Downloads\NEWCCIITD-CA (4).crt

☑ Always ask before opening this file

While files from the Internet can be useful, this file type can potentially harm your computer. If you do not trust the source, do not open this software. What's the risk?

3. Install certificate and follow the instructions.



Certificate

General | Details | Certification Path

Certificate Information

This certificate is intended for the following purpose(s):

- All issuance policies
- All application policies

Issued to: ccmail07.iitd.ernet.in

Issued by: ccmail07.iitd.ernet.in

Valid from 6/25/2019 **to** 6/22/2029

the users may download the old IITD CA certificate (valid upto Aug 27 10:55:31 2019 GMT) and install it as a valid
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: Import the CAcert Root Certificate into Client Software for details (follow the procedure outlined
etsencryp X3/IITD's CA certificate instead of CAcert's).

A1 and MD5 fingerprints of the old IITD CA certificate before installing:

3:DD:BF:06:B5:04:33:2E:94:81:71:DD:14:E1:26:D7:B6:C0:93:18

:9F:C1:3E:D9:0B:24:E7:2E:DC:41:5C:14:F9:4B:3C

signed certificates for CA with validity upto Jun 22 05:28:29 2029 GMT are:

ertificate

=88:f6:de:a8:a3:b1:72:1c:3f:d3:47:f2:38:d3:08:17:d2:58:67:e5

=b0:2a:b7:2c:7a:27:08:a8:62:f0:a4:c6:d4:4a:25:d5

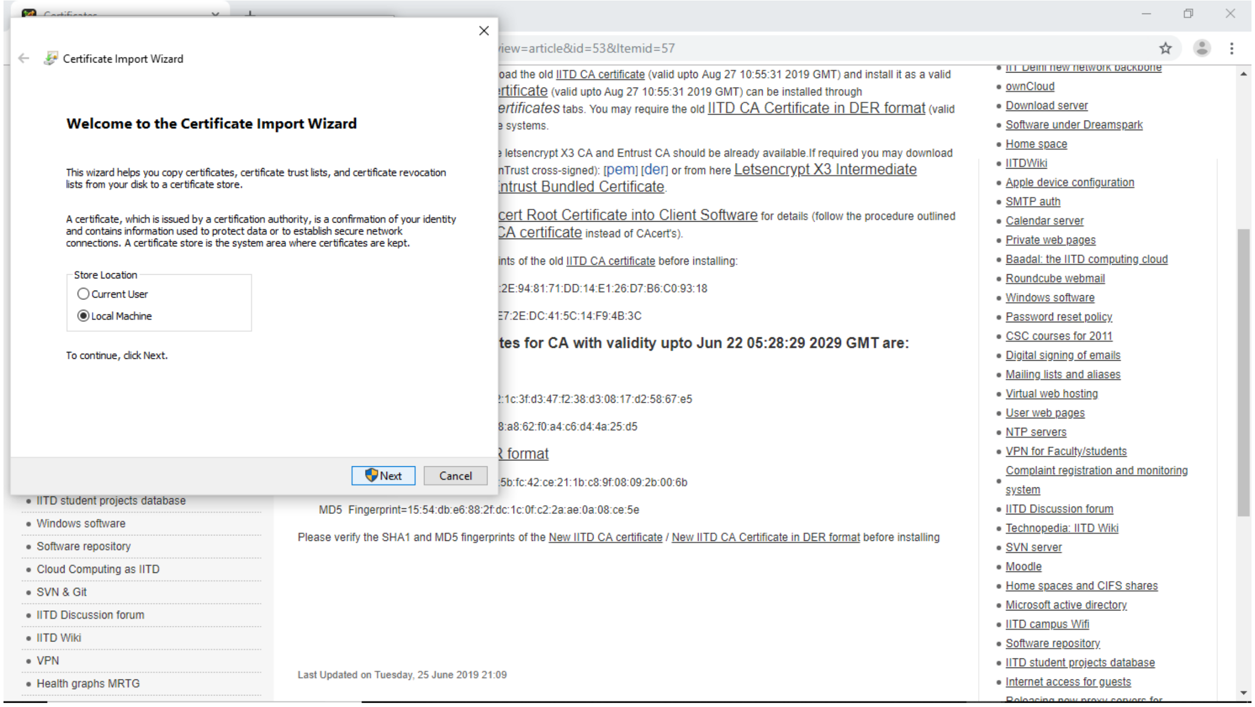
ertificate in DER format

it=4a:f3:9d:ef:c7:5f:f8:5b:fc:42:ce:21:1b:c8:9f:08:09:2b:00:6b

MD5 Fingerprint=15:54:db:e6:88:2f:dc:1c:0f:c2:2a:ae:0a:08:ce:5e

Please verify the SHA1 and MD5 fingerprints of the New IITD CA certificate / New IITD CA Certificate in DER format before installing

4. Select Local Machine.



Certificate Import Wizard

Welcome to the Certificate Import Wizard

This wizard helps you copy certificates, certificate trust lists, and certificate revocation lists from your disk to a certificate store.

A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept.

Store Location

○ Current User

● Local Machine

To continue, click Next.

oad the old IITD CA certificate (valid upto Aug 27 10:55:31 2019 GMT) and install it as a valid
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letsencrypt X3 CA and Entrust CA should be already available.If required you may download
nTrust cross-signed): [pem] [der] or from here Letsencrypt X3 Intermediate
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cert Root Certificate into Client Software for details (follow the procedure outlined
CA certificate instead of CAcert's).

ints of the old IITD CA certificate before installing:

:2E:94:81:71:DD:14:E1:26:D7:B6:C0:93:18

E7:2E:DC:41:5C:14:F9:4B:3C

tes for CA with validity upto Jun 22 05:28:29 2029 GMT are:

:1c:3f:d3:47:f2:38:d3:08:17:d2:58:67:e5

8:a8:62:f0:a4:c6:d4:4a:25:d5

R format

5b:fc:42:ce:21:1b:c8:9f:08:09:2b:00:6b

MD5 Fingerprint=15:54:db:e6:88:2f:dc:1c:0f:c2:2a:ae:0a:08:ce:5e

Please verify the SHA1 and MD5 fingerprints of the New IITD CA certificate / New IITD CA Certificate in DER format before installing

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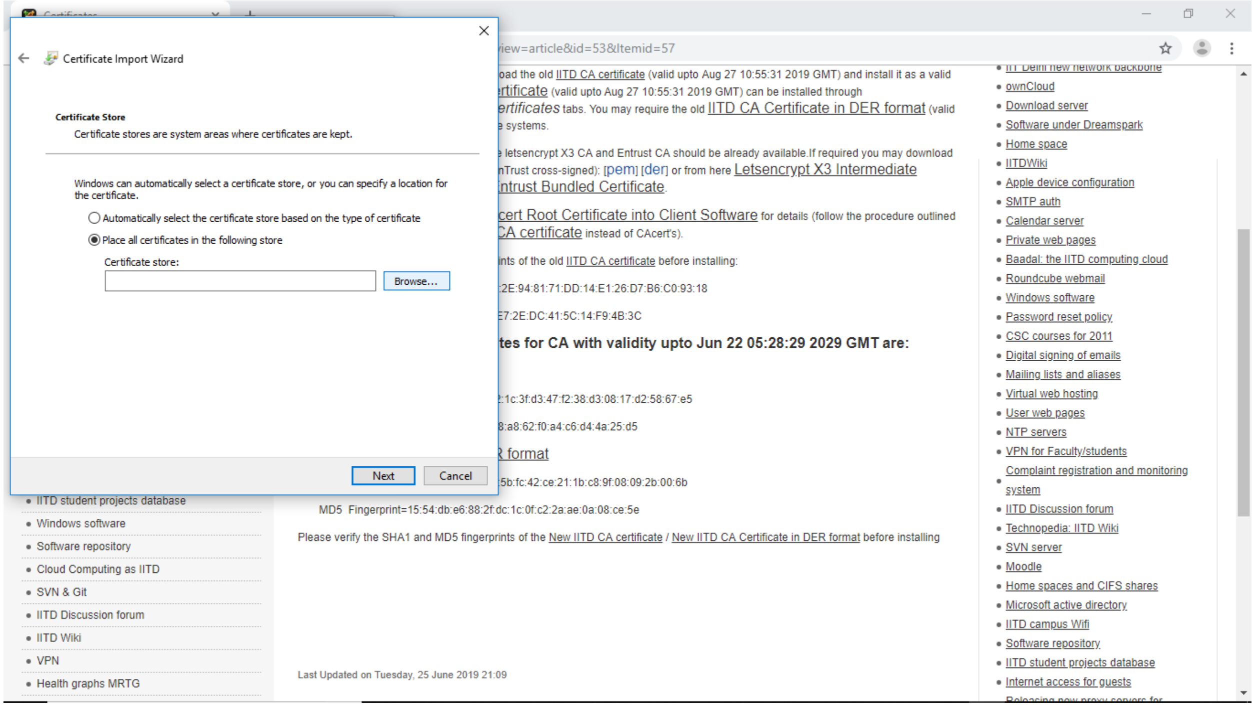
5. Click on Browse to select and save the certificate location in the following store.



Certificate Import Wizard

Certificate Store

Certificate stores are system areas where certificates are kept.

Windows can automatically select a certificate store, or you can specify a location for the certificate.

○ Automatically select the certificate store based on the type of certificate

● Place all certificates in the following store

Certificate store:

Browse...

Next Cancel

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oad the old IITD CA certificate (valid upto Aug 27 10:55:31 2019 GMT) and install it as a valid
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E7:2E:DC:41:5C:14:F9:4B:3C

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:1c:3f:d3:47:f2:38:d3:08:17:d2:58:67:e5

8:a8:62:f0:a4:c6:d4:4a:25:d5

R format

5b:fc:42:ce:21:1b:c8:9f:08:09:2b:00:6b

MD5 Fingerprint=15:54:db:e6:88:2f:dc:1c:0f:c2:2a:ae:0a:08:ce:5e

Please verify the SHA1 and MD5 fingerprints of the New IITD CA certificate / New IITD CA Certificate in DER format before installing

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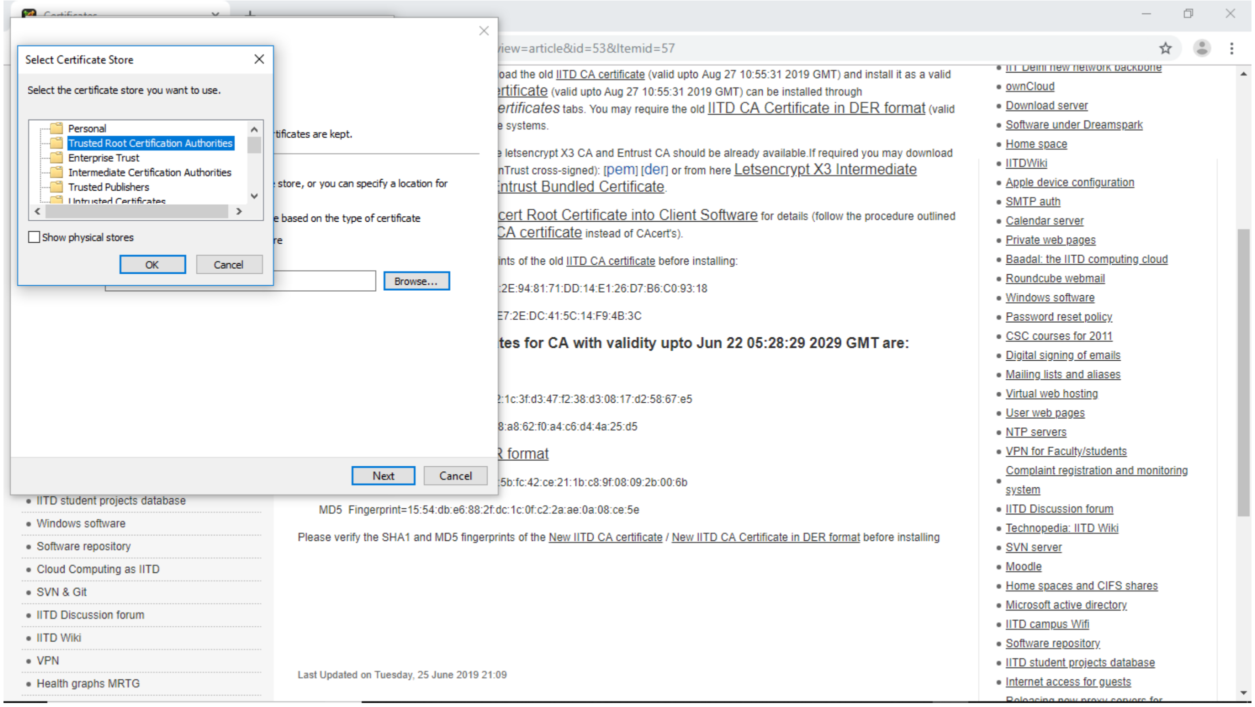
- Releasing new proxy servers for

6. Select Trusted Root Certification Authorities and click ok.



Select Certificate Store

Select the certificate store you want to use.

- Personal
- Trusted Root Certification Authorities
- Enterprise Trust
- Intermediate Certification Authorities
- Trusted Publishers
- Untrusted Certificates

□ Show physical stores

OK Cancel

tificates are kept.

store, or you can specify a location for

e based on the type of certificate

re

Browse...

Next Cancel

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:1c:3f:d3:47:f2:38:d3:08:17:d2:58:67:e5

8:a8:62:f0:a4:c6:d4:4a:25:d5

R format

5b:fc:42:ce:21:1b:c8:9f:08:09:2b:00:6b

MD5 Fingerprint=15:54:db:e6:88:2f:dc:1c:0f:c2:2a:ae:0a:08:ce:5e

Please verify the SHA1 and MD5 fingerprints of the New IITD CA certificate / New IITD CA Certificate in DER format before installing

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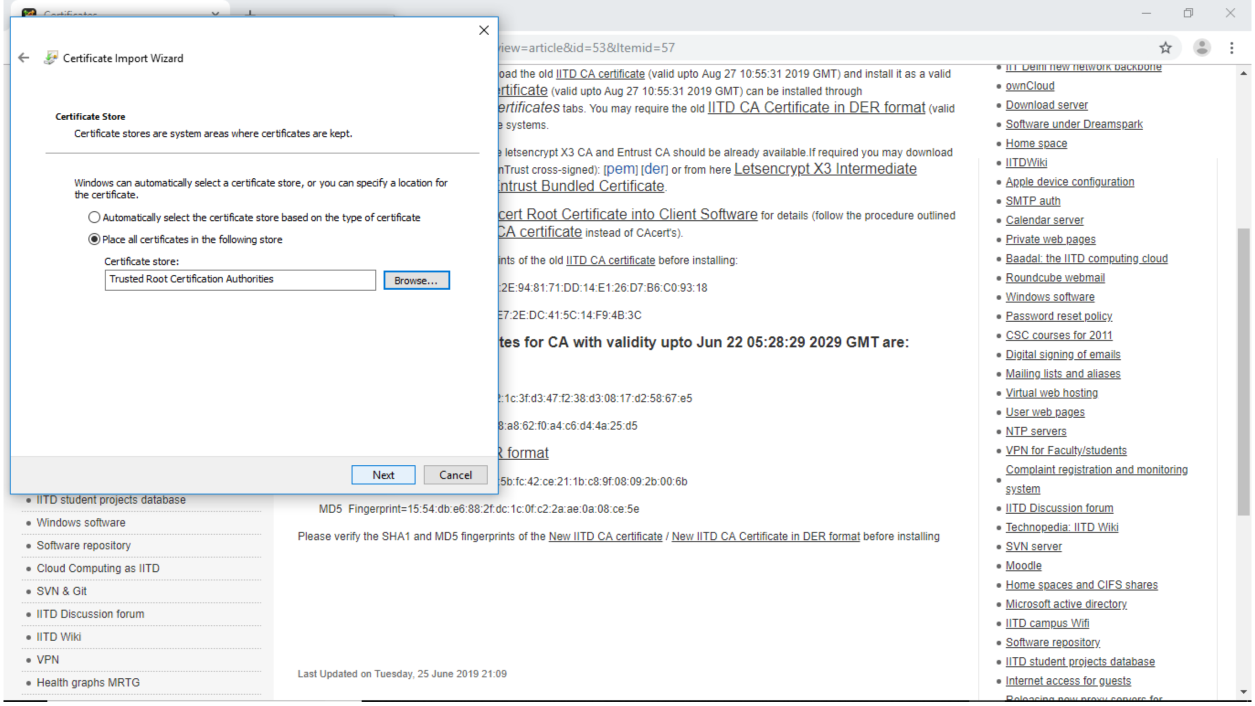
7. Click on next.



Certificate Import Wizard

Certificate Store

Certificate stores are system areas where certificates are kept.

Windows can automatically select a certificate store, or you can specify a location for the certificate.

○ Automatically select the certificate store based on the type of certificate

● Place all certificates in the following store

Certificate store: Trusted Root Certification Authorities

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8:a8:62:f0:a4:c6:d4:4a:25:d5

format

5b:fc:42:ce:21:1b:c8:9f:08:09:2b:00:6b

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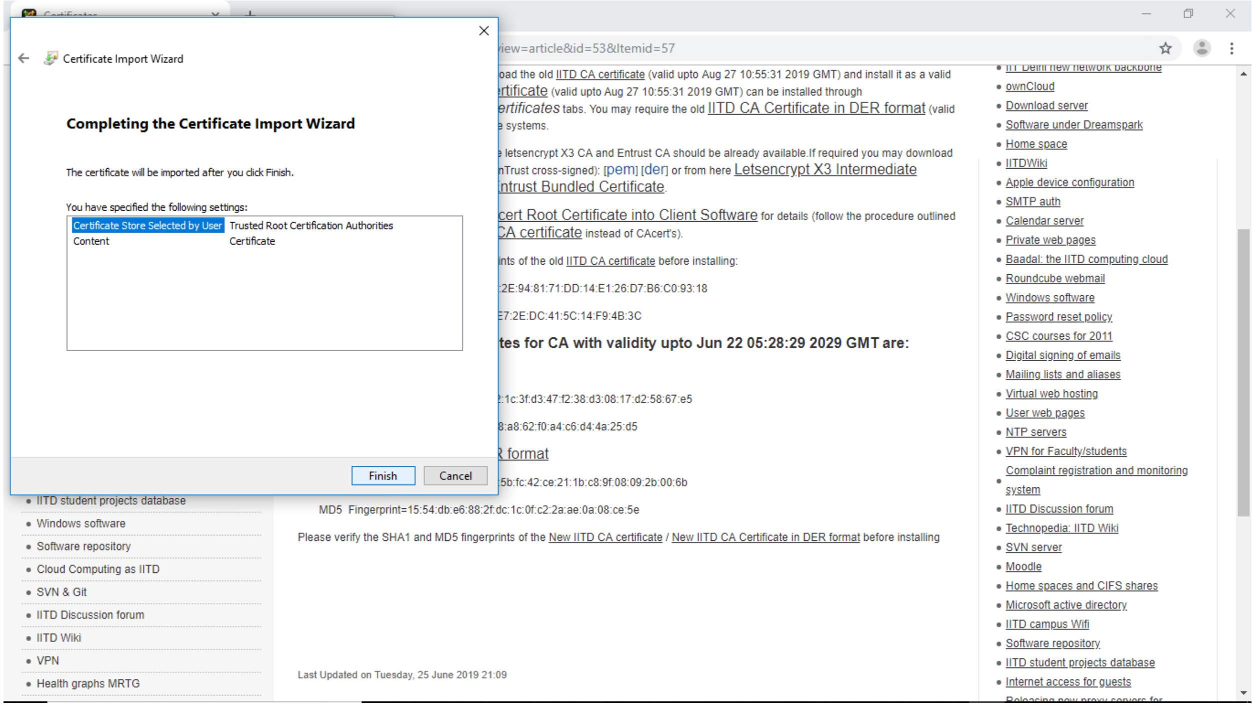
8. Click Finish to install the certificate.



Certificate Import Wizard

Completing the Certificate Import Wizard

The certificate will be imported after you click Finish.

You have specified the following settings:

Certificate Store Selected by User	Trusted Root Certification Authorities
Content	Certificate

iew=article&id=53&Itemid=57

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MD5 Fingerprint=15:54:db:e6:88:2f:dc:1c:0f:c2:2a:ae:0a:08:ce:5e

Please verify the SHA1 and MD5 fingerprints of the New IITD CA certificate / New IITD CA Certificate in DER format before installing

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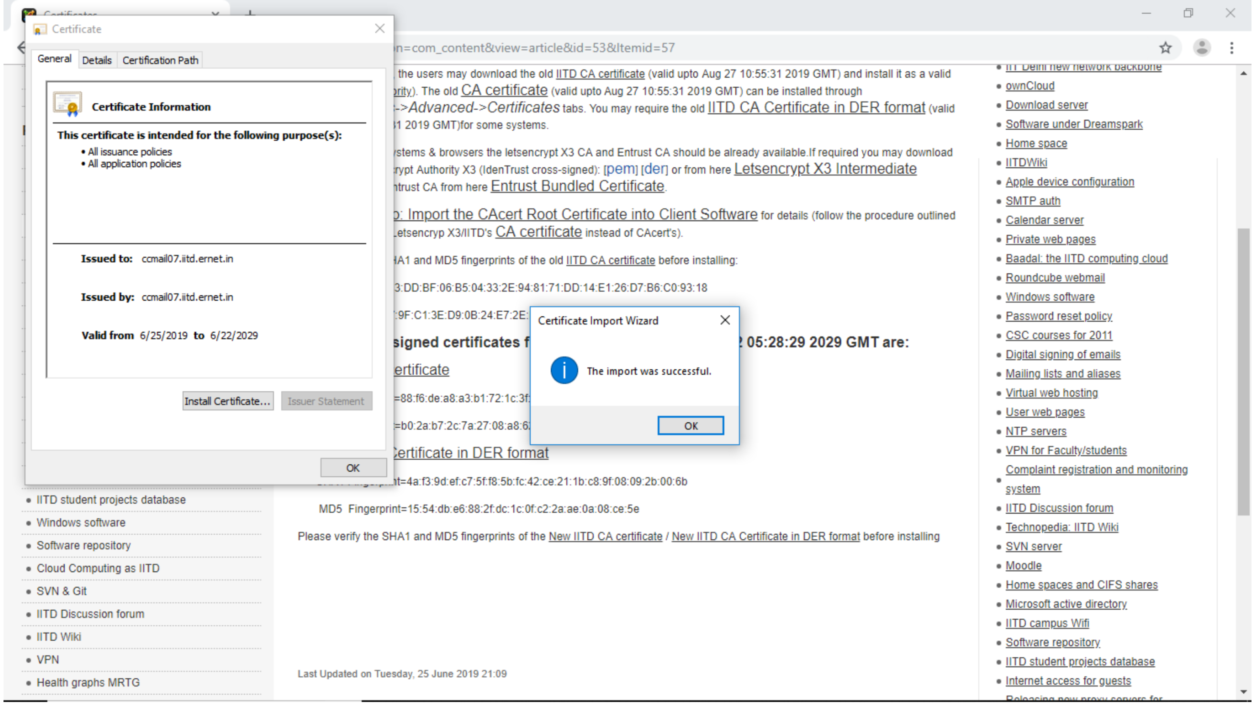
9. A successful message will appear.



Certificate Import Wizard

The import was successful.

Certificate

Certificate Information

This certificate is intended for the following purpose(s):

- All issuance policies
- All application policies

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Issued by: ccmail07.iitd.ernet.in

Valid from 6/25/2019 to 6/22/2029

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:9F:C1:3E:D9:0B:24:E7:2E:

signed certificates f … 05:28:29 2029 GMT are:

ertificate

=88:f6:de:a8:a3:b1:72:1c:3f:

=b0:2a:b7:2c:7a:27:08:a8:6

Certificate in DER format

t=4a:f3:9d:ef:c7:5f:f8:5b:fc:42:ce:21:1b:c8:9f:08:09:2b:00:6b

MD5 Fingerprint=15:54:db:e6:88:2f:dc:1c:0f:c2:2a:ae:0a:08:ce:5e

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