

TLS - our own X509 certificates

For internal use only we have our own Certificate Authority (CA). How to use it?

As a user

To trust certificates issued by this CA, you will have to use it's Root Certificate:

[DieterichLab_CA.crt](#)

You will have to install it in your browser's certificate store as trusted CA or configure it in the software you use as a client as "CA certificate". See below for common examples how to do this. The given file is in PEM format.

As a service provider

If you need a certificate just send a CSR (certificate signing request) to it@dieterichlab.org which some extra info what its all about. If this easier for you, you may also just tell Harald what you need and the required files will find their way to the right place.

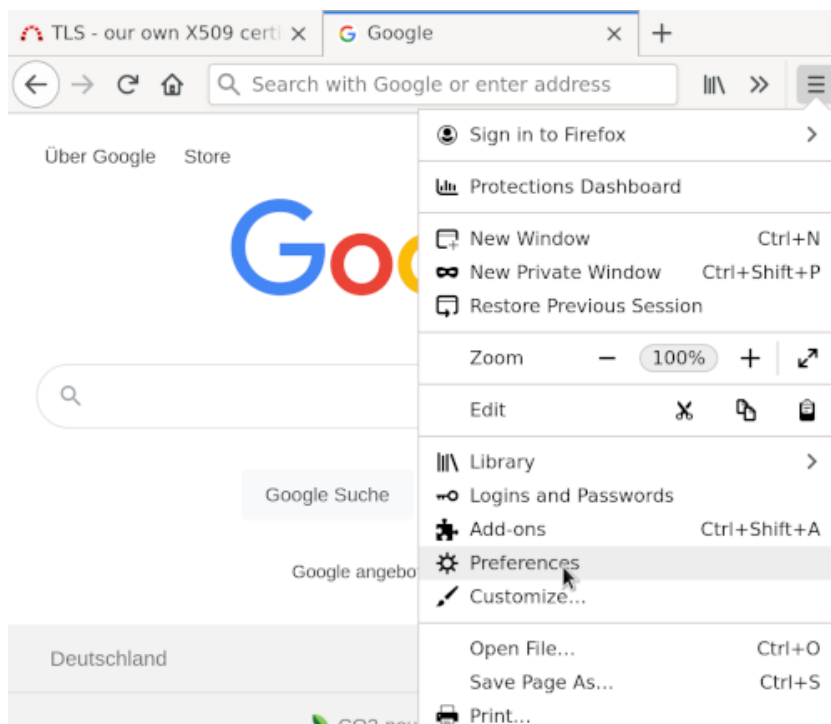
Examples

Install certificate in the Trust Store of Debian/Ubuntu

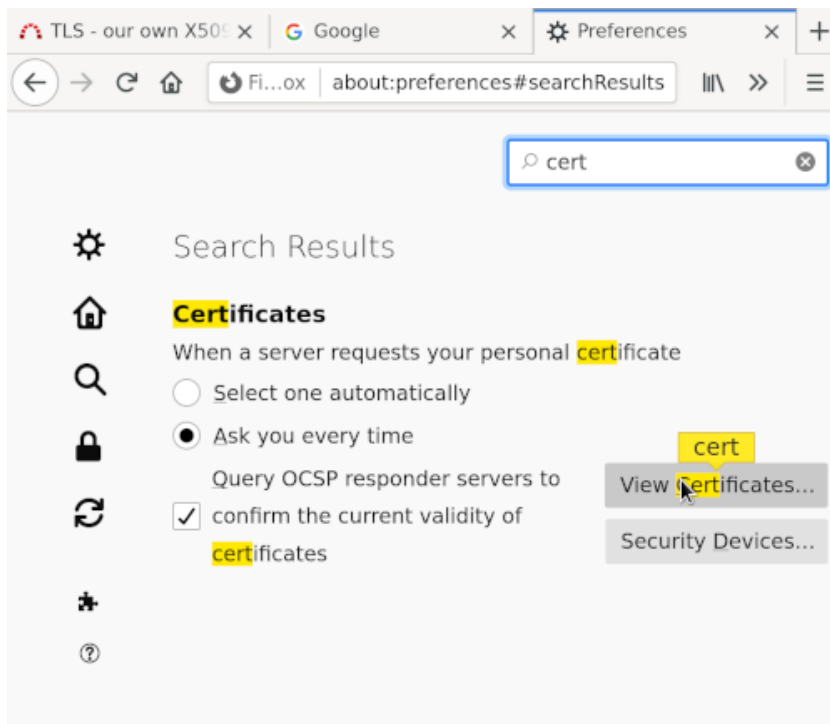
```
$ sudo mkdir /usr/local/share/ca-certificates/extra
$ sudo cp DieterichLab_CA.crt /usr/local/share/ca-certificates/extra
$ sudo /usr/sbin/update-ca-certificates
```

Install CA certificate in Firefox

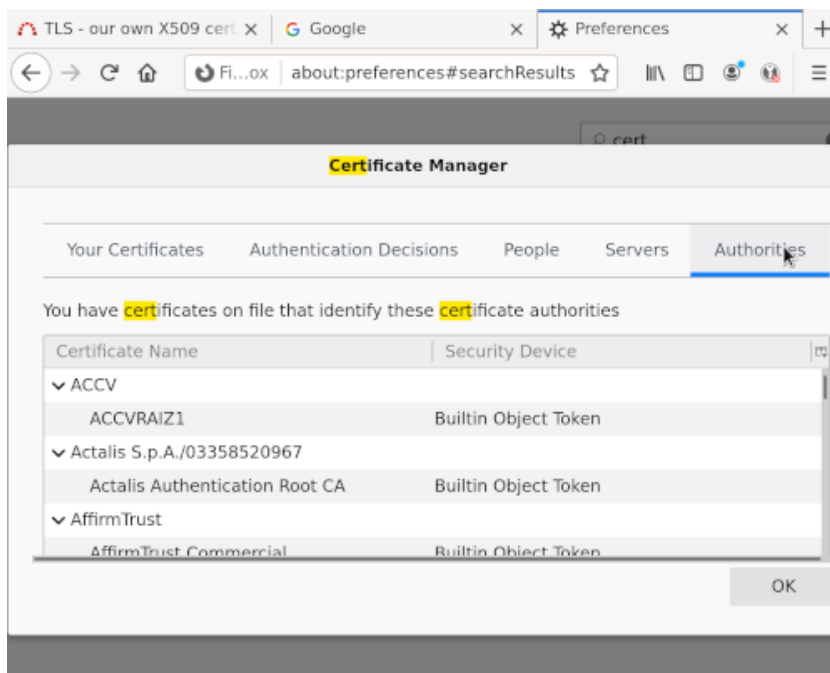
- Download the DieterichLab_CA.crt (link above)
- Find the preferences:



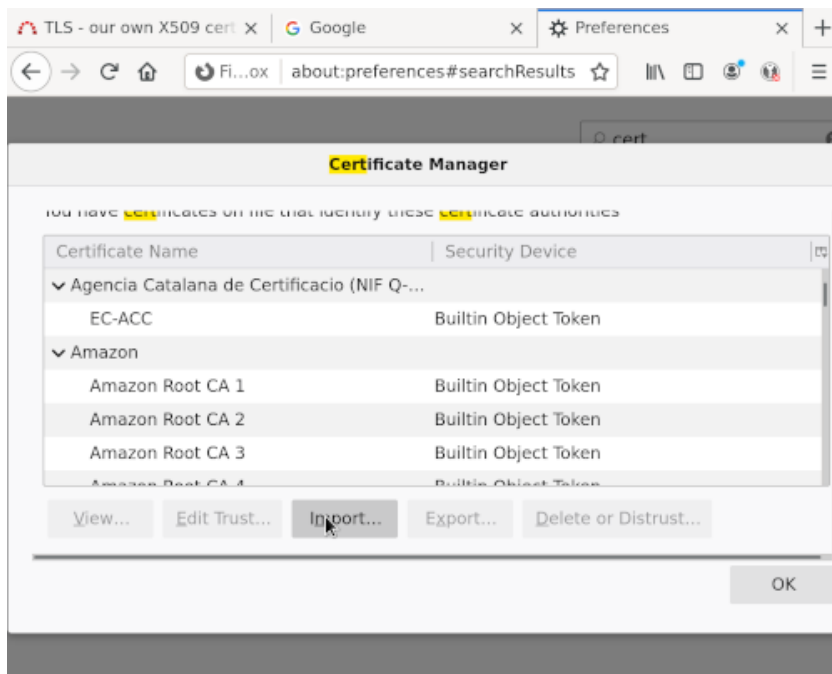
- Search for 'cert' and select 'View Certificates':



- Make sure the 'Authorities' tab is selected:



- Find the 'Import' button to import the certificate.



- Accept the certificate at least for "web sites". Depending on your browser's version you will be either asked for that or you may have to use the "Edit Trust" button.

Files

DieterichLab_CA.crt	1.9 KB	March 03, 2021	Harald
firefox_prev_sm.png	73.1 KB	March 24, 2021	Harald
firefox_view_cert_sm.png	66.2 KB	March 24, 2021	Harald
firefox_cert_man_sm.png	60.4 KB	March 24, 2021	Harald
firefox_cert_import_sm.png	59.8 KB	March 24, 2021	Harald