

# Root certificate installation to the Mozilla Firefox application

1. Save the root certificates (in DER format) on hard drive in your PC.

I.CA root certificates can be found on our web site: <https://www.ica.cz/HCA-root-en>


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## Root certificate

### Certificate root CA rca16\_ecc

CN = I.CA ROOT CA/ECC 12/2016, SN: 100000001 (5F5E101 HEX)

formát DER

formát PEM

formát TXT

Hash SHA-256 (format DER)\*: b8692148ff49c3799fa2347ae28bcc5289623512b67dc19170452ade24ba51d5  
 Length of cryptographic key for RSA algorithm: 521 bitů  
 Lifetime: from 7.12.2016 to 7.12.2041

### Qualified system certificate root CA

CN = I.CA ROOT CA/RSA, SN: 100000000 (5F5E100 HEX)

format DER

format PEM

format TXT

format CMF

Hash SHA-256 (format DER)\*: d3d607a9ff24a19523b6da9d2c649446f8788cb96d9fd130972e120c13677730  
 Length of cryptographic key for RSA algorithm: 4096 bitů  
 Lifetime: from 27.5.2015 to 27.5.2040

\* Fingerprints are calculated from the content of the whole file.

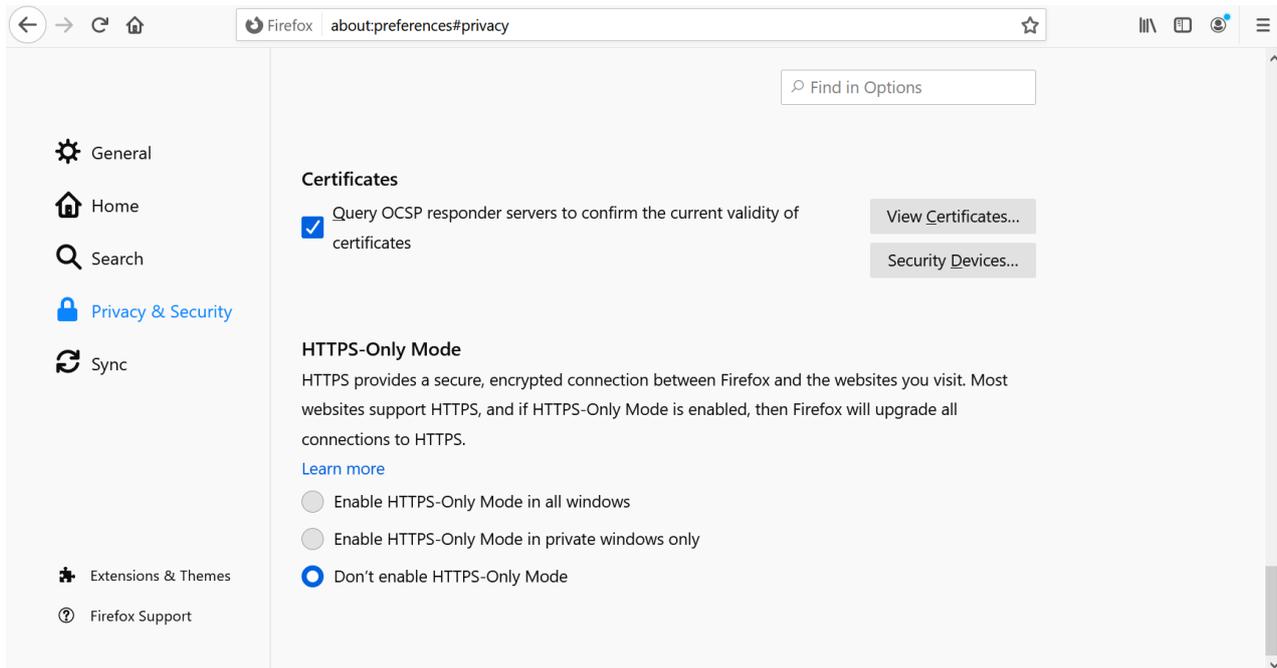
Quick link labels

- ▶ **E-shop**
- ▶ Get certificate
- ▶ Documents to obtain a certificate
- ▶ Request for revocation of certificate
- ▶ Certification Policy
- ▶ PKI Disclosure Statement
- ▶ Certificates of certification authorities I.CA
- ▶ Certificates of Time stamp authority
- ▶ List of public certificates
- ▶ Certification revocation list

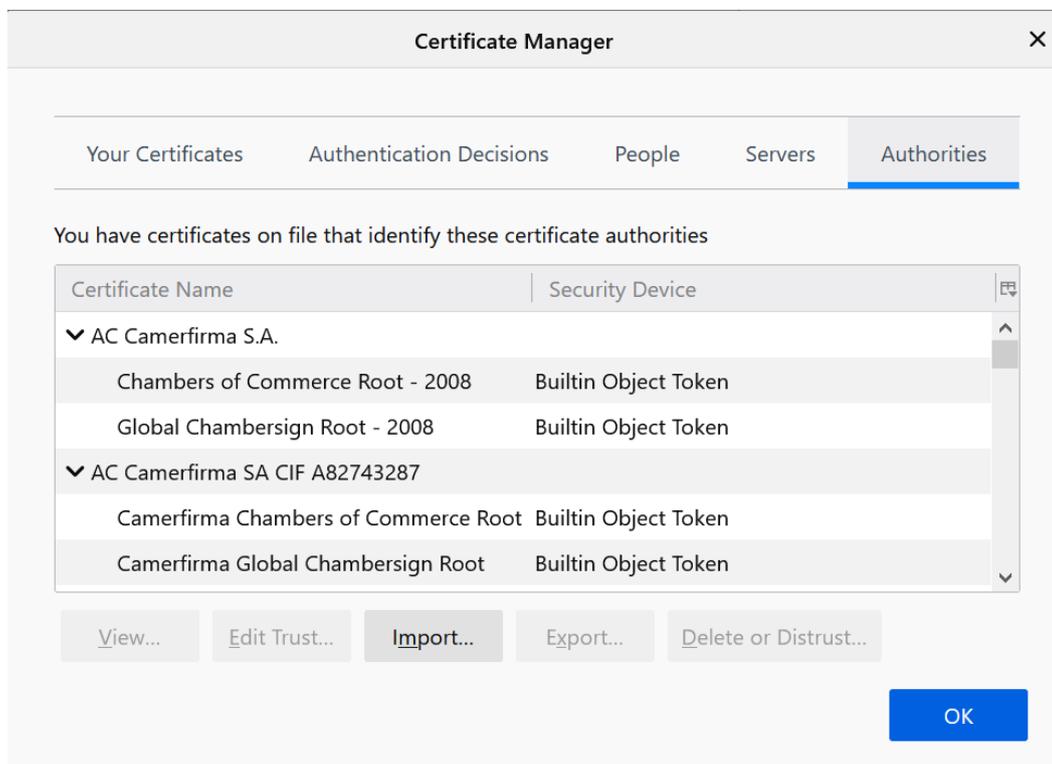
## 2. Choose the **Options** in Mozilla Firefox menu.

The screenshot shows a Mozilla Firefox browser window with the address bar displaying `https://www.ica.cz/HCA-root-en`. The browser's menu bar is open, and the **Options** menu item is highlighted with a red rectangle. The main content area of the browser displays the ICA website, which includes a navigation bar with icons for ABOUT AS, PRODUCTS, SERVICES, PRICE LIST, SUPPORT, MY SERVICES, and CONTACT. Below the navigation bar, there is a breadcrumb trail: `> Products > Certificates of certification authorities I.CA > HCA root`. The main heading is **Root certificate**. Underneath, it says **Certificate root CA rca16\_ecc** and provides the CN: `I.CA ROOT CA/ECC 12/2016, SN: 100000001 (5F5E101 HEX)`. There are three buttons for download formats: **format DER** (green), **format PEM** (light green), and **format TXT** (orange). Below these buttons, technical details are listed: **Hash SHA-256 (format DER)\*:** `b8692148ff49c3799fa2347ae28bcc5289623512b67dc19170452ade24ba51d5`, **Length of cryptographic key for RSA algorithm:** 521 bitů, and **Lifetime:** from 7.12.2016 to 7.12.2041. Further down, it says **Qualified system certificate root CA** with CN: `I.CA ROOT CA/RSA, SN: 100000000 (5F5E100 HEX)`. There are four buttons for download formats: **format DER** (green), **format PEM** (light green), **format TXT** (orange), and **format CMF** (red). The browser's menu bar includes items like Sign in to Firefox, Protections Dashboard, New Window (Ctrl+N), New Private Window (Ctrl+Shift+P), Restore Previous Session, Zoom (70%), Edit, Library, Logins and Passwords, Add-ons (Ctrl+Shift+A), **Options** (highlighted), Customize Toolbar..., Open File... (Ctrl+O), Save Page As... (Ctrl+S), Print... (Ctrl+P), Find in This Page... (Ctrl+F), and More.

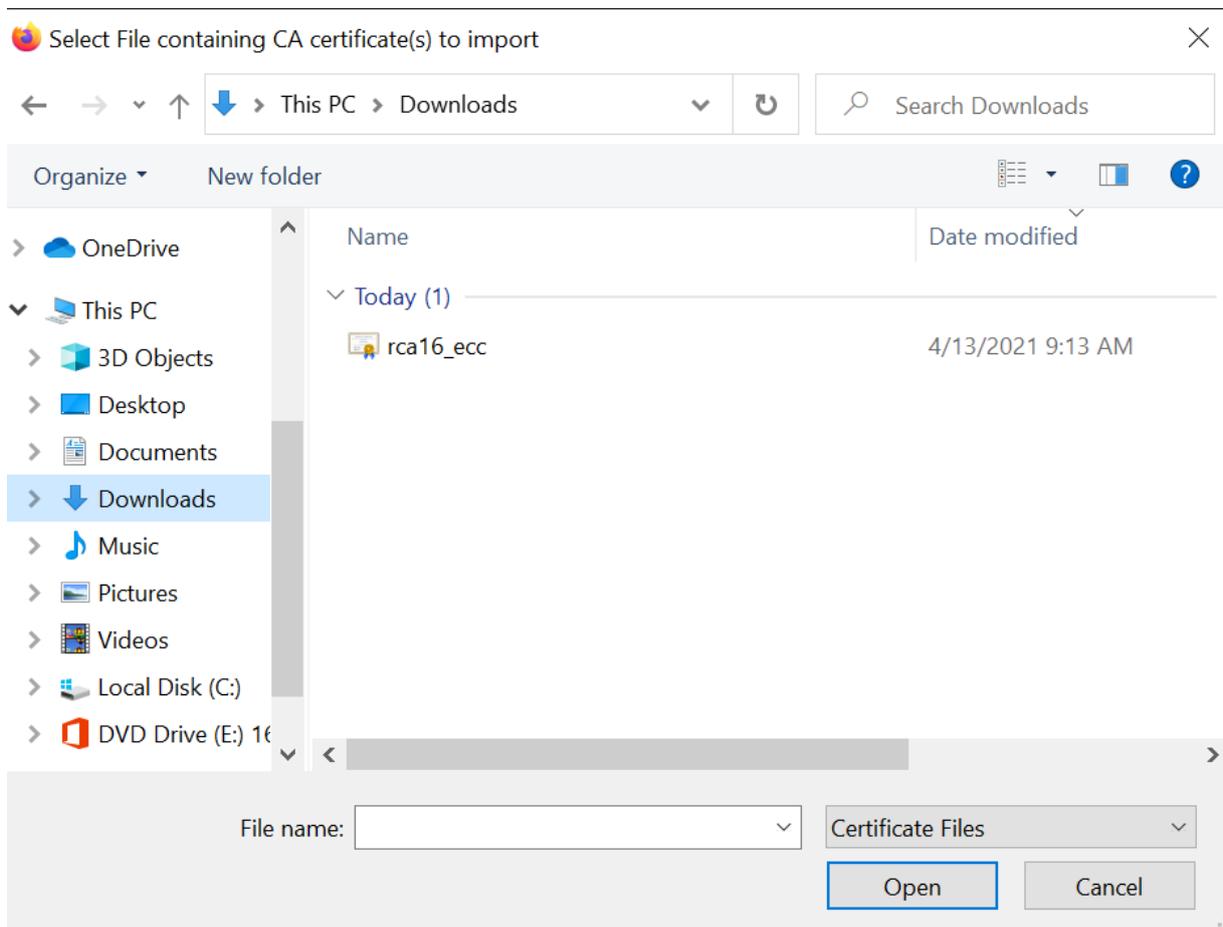
3. Choose the option **Privacy and Security** and click on button **View Certificates...**



4. Choose the fold **Authorities** and click on the button **Import...**



5. Select the certificate which you have saved on your PC hard drive (see in the chapter 1.) and click on **Open**.



6. Check all options and confirm by the button **OK**. Repeat the same procedure for installation of the others root certificates I.CA.

