



Trusting the DoD PKI and ECA PKI manually in Windows

Trusting the DoD and ECA PKIs: an explanation

In order for Microsoft Edge (and many other applications) to properly use certificates from the DoD's ECA PKI, you need to tell your computer to "Trust" the DoD ECA PKI. In order for your computer to Trust the DoD PKI (and the certificates on most DoD web-enabled applications) you need to tell your computer to Trust them, also. The US DoD has two PKIs: DoD PKI is their internal PKI; DoD ECA PKI is the PKI for people outside of the DoD [External Certification Authority] who need to communicate with the DoD [i.e. you].

This document will walk you through manually Installing and Trusting the DoD PKIs. In the case that InstallRoot does not work, or misses a certificate on the installation, this guide can be used to manually install all trust chain certificates.

ECA Certificates

Please go to <https://eca.orc.com/eca-repository/> to begin the process.

Download:

- ECA Root CA 4
- ECA Root CA 5
- Widepoint ECA 8
- Widepoint ECA 9

Hint: Use the Items underneath "Trusted Certificate Authorities for ECA" and not the "WidePoint-ORC ECA CRLs" section.

All install very similarly, the only difference between them is the folder that you select to install them into.



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ECA Root CA 4 and ECA Root CA 5

Double click on ECA ROOT CA 4

- Click Open
- Click Install certificate
- Select 'Current User' and Click Next
- Select 'Place all certificates in the following store' and then click Browse.
- Select the 'Trusted Root Certification Authorities' Folder and Click Ok
- Click Next
- Click Finish

Double click on ECA ROOT CA 5

- Click Open
- Click Install certificate
- Select 'Current User' and Click Next
- Select 'Place all certificates in the following store' and then click Browse.
- Select the 'Trusted Root Certification Authorities' Folder and Click Ok
- Click Next
- Click Finish



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Widepoint ECA 8 and Widepoint ECA 9

Double click on WIDEPOINT ECA 8

- Click Open
- Click Install certificate
- Select 'Current User' and Click Next
- Select 'Place all certificates in the following store' and then click Browse.
- Select the 'Intermediate Certification Authorities' Folder and Click Ok
- Click Next
- Click Finish

Double click on WIDEPOINT ECA 9

- Click Open
- Click Install certificate
- Select 'Current User' and Click Next
- Select 'Place all certificates in the following store' and then click Browse.
- Select the 'Intermediate Certification Authorities' Folder and Click Ok
- Click Next
- Click Finish



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DoD Certificates

Please go to <https://www.cyber.mil/pki-pke/document-library> to begin the process.

Download: [PKI CA Certificate Bundles: PKCS#7 for DoD PKI Only - Version 5.14](#) by selecting it from the list.

Right click the downloaded file and select “Extract All” and then click “Ok”.
Open the new folder and find the following files:

- **certificates_pkcs7_v5_13_dod_der.p7b**
- **certificates_pkcs7_v5_13_dod_DoD_Root_CA_3_der.p7b**
- **certificates_pkcs7_v5_13_dod_DoD_Root_CA_4_der.p7b**
- **certificates_pkcs7_v5_13_dod_DoD_Root_CA_5_der.p7b**
- **certificates_pkcs7_v5_13_dod_DoD_Root_CA_6_der.p7b**

- Right Click and select Install Certificate on **certificates_pkcs7_v5_13_dod_der.p7b**
 - Right Click the file
 - Click Install certificate
 - Select ‘Place all certificates in the following store’ and then click Browse.
 - Select the ‘**Trusted Root Certification Authorities**’ Folder and Click Ok
 - Click Next
 - Click Finish (If any window appears asking to select “Yes” or “No” please select “Yes”)

- Right Click and select Install Certificate on **certificates_pkcs7_v5_13_dod_DoD_Root_CA_3_der.p7b**
 - Right Click the file
 - Click Install certificate
 - Select ‘Place all certificates in the following store’ and then click Browse.
 - Select the ‘**Trusted Root Certification Authorities**’ Folder and Click Ok
 - Click Next
 - Click Finish (If any window appears asking to select “Yes” or “No” please select “Yes”)



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- Right Click and select Install Certificate on **certificates_pkcs7_v5_13_dod_DoD_Root_CA_4_der.p7b**
 - Right Click the file
 - Click Install certificate
 - Select 'Place all certificates in the following store' and then click Browse.
 - Select the '**Trusted Root Certification Authorities**' Folder and Click Ok
 - Click Next
 - Click Finish (If any window appears asking to select "Yes" or "No" please select "Yes")

- Right Click and select Install Certificate on **certificates_pkcs7_v5_13_dod_DoD_Root_CA_5_der.p7b**
 - Right Click the file
 - Click Install certificate
 - Select 'Place all certificates in the following store' and then click Browse.
 - Select the '**Trusted Root Certification Authorities**' Folder and Click Ok
 - Click Next
 - Click Finish (If any window appears asking to select "Yes" or "No" please select "Yes")

- Right Click and select Install Certificate on **certificates_pkcs7_v5_13_dod_DoD_Root_CA_6_der.p7b**
 - Right Click the file
 - Click Install certificate
 - Select 'Place all certificates in the following store' and then click Browse.
 - Select the '**Trusted Root Certification Authorities**' Folder and Click Ok
 - Click Next
 - Click Finish (If any window appears asking to select "Yes" or "No" please select "Yes")

That ends the process of manually installing ECA and DoD Trust Chain Certificates. If you need further guidance, please contact wsc.helpdesk@widepoint.com.