

Digital Signatures - How to enable validation of Siemens PKI signatures in Adobe Reader ?

SIEMENS

Digital Signatures

Issued by:	
Company	SIEMENS NV/SA
Name	Digital Signatures
Date	01/2016



1	About this document	3
2	How to enable validation of Siemens PKI signatures in Adobe Reader ?	3
2.1	Step 1: Import the Siemens root certificates into your Windows Certificates Manager	3
2.2	Step 2: Configure your Adobe Reader	6
2.3	Step 3: Validating Digital Signatures in Adobe Reader	8
3	Contact	8

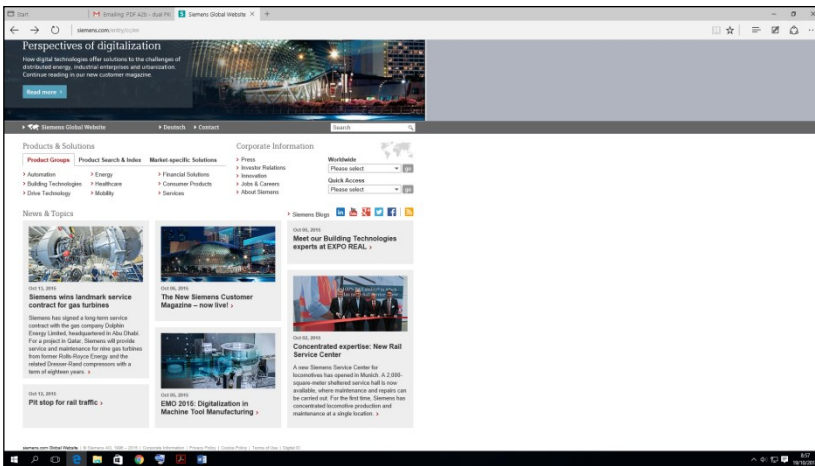
1 About this document

This document describes how to enable validation of Siemens PKI signatures in Adobe Reader.

2 How to enable validation of Siemens PKI signatures in Adobe Reader ?

2.1 Step 1: Import the Siemens root certificates into your Windows Certificates Manager

Go to <http://www.siemens.com> and select 'Digital ID' at the bottom of the website or go immediately to http://www.siemens.com/corp/en/index/digital_id.htm



This will bring you to an information page on how Siemens uses Digital ID's. On this page there is a link where you can download the Siemens root Certificates to support external trust.

Siemens Certification Authority Certificates
Siemens has made the Siemens CA(s) Certificates available for downloading. Besides the own (internal) Root CA Siemens runs the "Siemens Internet CA" certified by the public [Baltimore CyberTrust Root](#) to establish an external trust. Please find an overview of the structure and different CA Certificates in [Siemens PKI CA Hierarchy \(PDF\)](#).

[> Download Siemens CAs](#)

Using this link, you will get a download page with all public CAs, select the Hierarchy download and save the download to your PC.

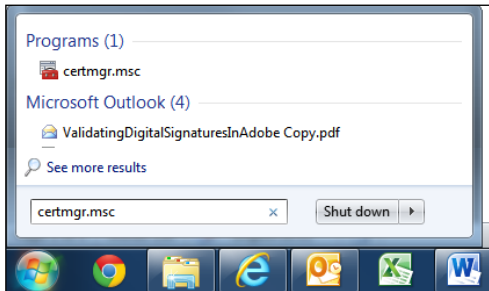
Download Siemens CAs

Download the

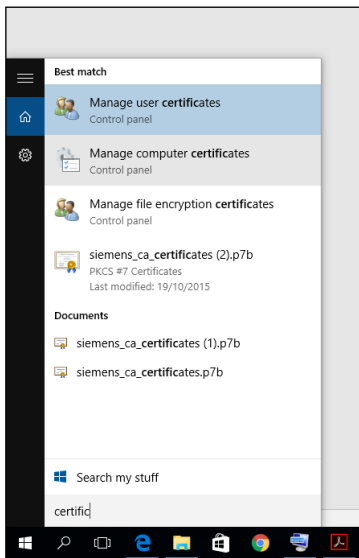
[Hierarchy \(spelling\) of Siemens CA Certificates](#)

To import these certificates on your PC, start the **Windows Certificate Manager**:

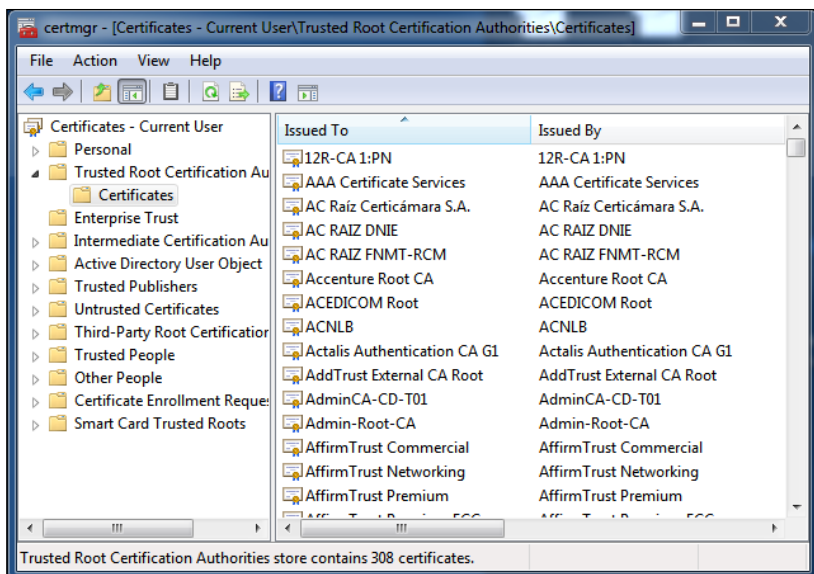
- **Window 7:**
Press the Windows start button and type **certmgr.msc**
Start the Program **certmgr.msc** and confirm if requested.



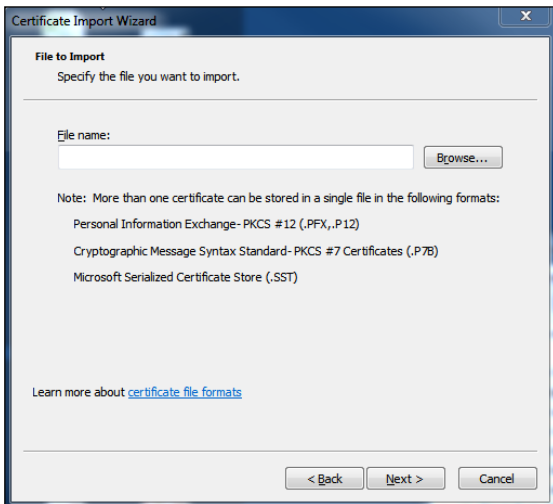
- **Windows 10:**
Press the Windows start button and enter '**certificates**'.
Select '**Manage computer certificates**'.



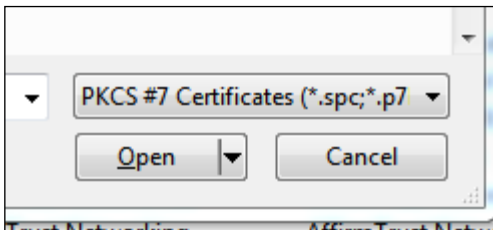
You will get the Windows Certificates Manager, select the '**Trusted Root Certification Authorities**' and then the menu [Action] → [All Tasks...] → [Import]:



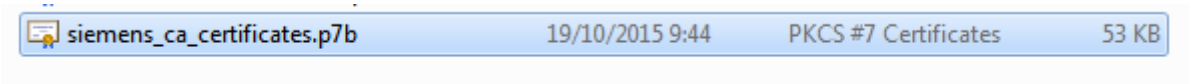
Confirm the first step in the wizard by selecting [Next] and get the step where you should select the file you downloaded from the Siemens website.



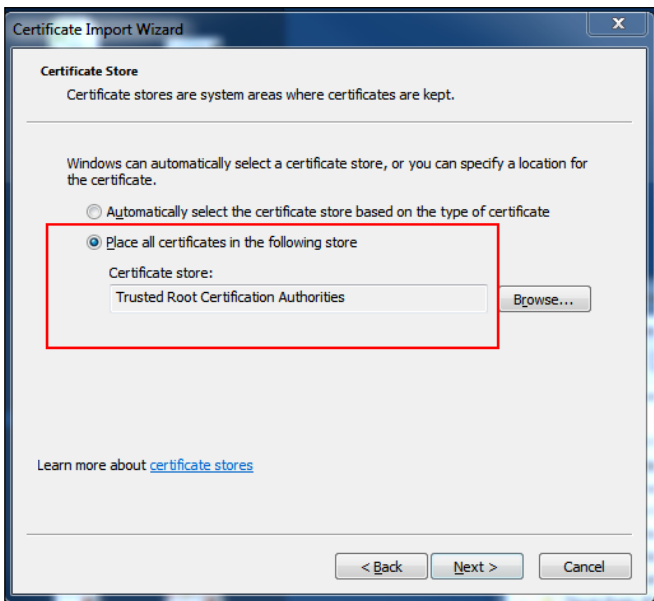
Take care, you should change the default extension in the Open dialogue to **PKCS #7 Certificates**.



Select:



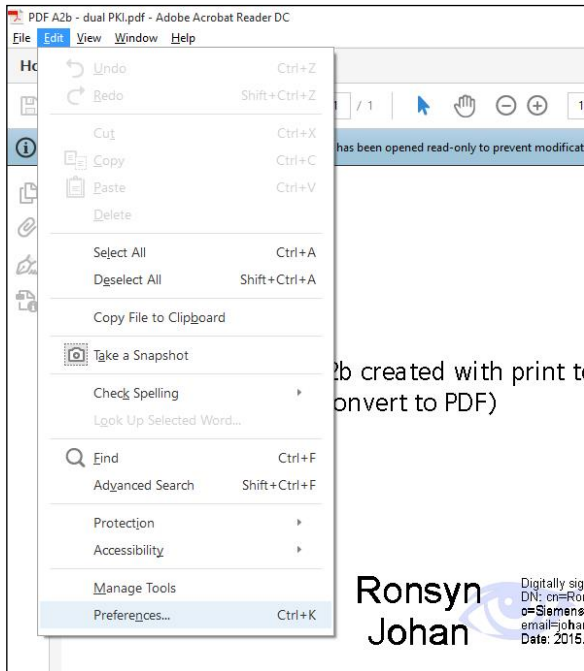
Press [Next] and on the next screen, make sure the certificates will be stored in the 'Trusted Root Certification Authorities'.



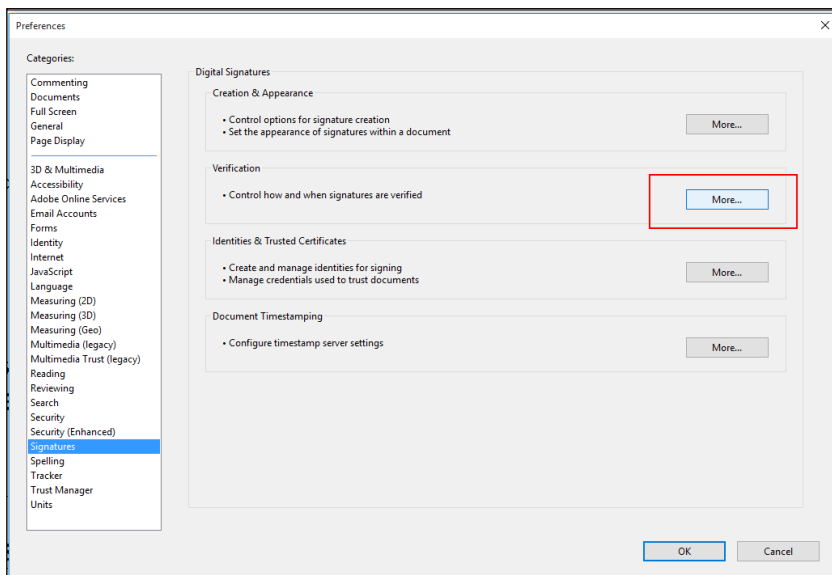
Press [Next] and [Finish] to import the certificates.

2.2 Step 2: Configure your Adobe Reader

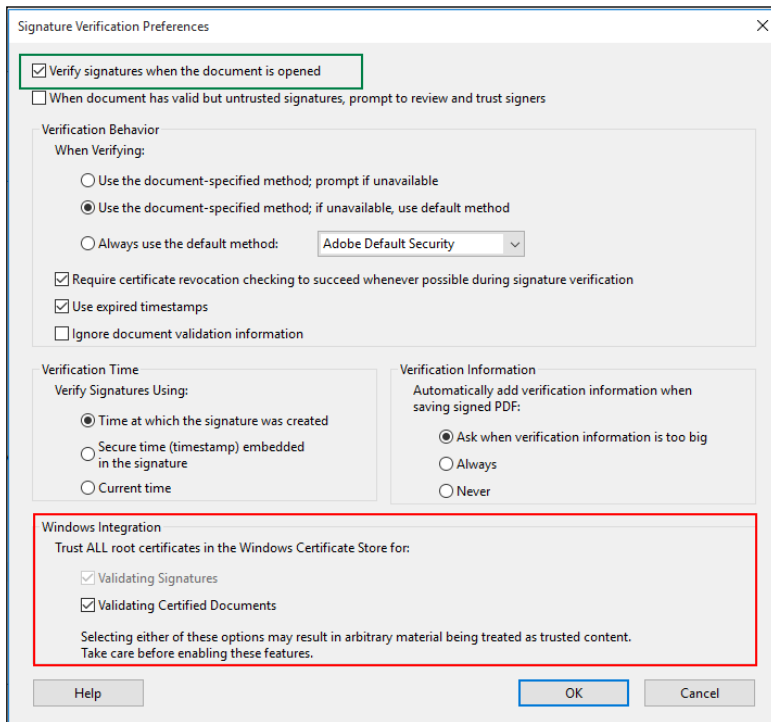
In Adobe Reader select the menu item [Edit] → [Preferences...]



This will open the Preferences dialogue and there you select 'Signatures' in the Categories list. Then press the 'More' button next to Verification.



In the next screen, you should check the 2 checkboxes below the 'Trust ALL root certificates in the Windows Certificates Store'. For performance reasons, we advise to **uncheck** also the top checkbox 'Verify signatures when document is opened'.

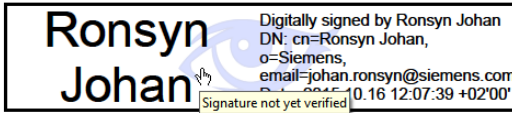


Press OK to go back to your PDF document. Restart Adobe Reader to make sure the settings are applied correctly.

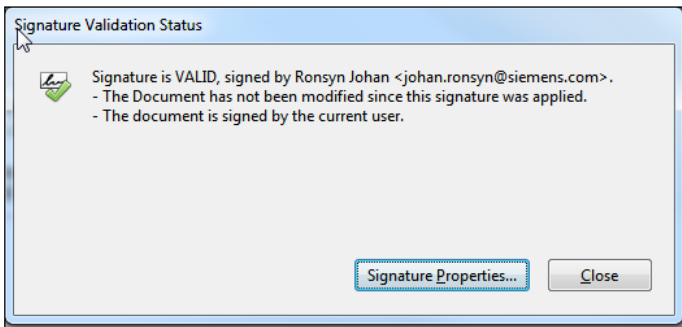
2.3 Step 3: Validating Digital Signatures in Adobe Reader

If you did not uncheck the 'Verify signatures when document is opened' in the previous screen, the digital signatures are automatically validated upon opening the document. Hovering over a signature will show its validity.

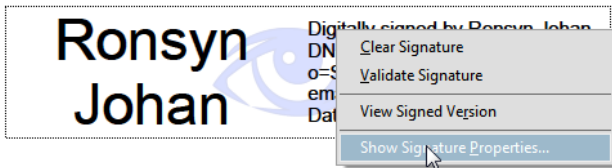
If that checkbox is not checked, when opening a digitally signed document with Adobe Reader and hovering over the signature, it will show by default 'Signature not verified'.



Select the signature and press the left mouse button to validate the signature.



For more details on the digital signature, right-click on it and select 'Show Signature Properties'.



3 Contact

Do you need more information? Do you have any questions or remarks?
Please feel free to contact your Siemens Account Manager.