

## Instructions for setting up a digital signature in Adobe Reader

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To easen the usage to the users of Halcom's certificates, tips for setting up the 'Adobe Acrobat Reader DC' application are combined in this document. Considering that the mentioned application is not a Halcom product, you can find the official instructions for setup and use on the manufacturer's website.

To successfully digitally sign a document in the 'Adobe Acrobat Reader DC' application, you need to apply the following settings:

- 1. Open Adobe Acrobat Reader DC
- 2. Press **Ctrl + K** (Menu/Preferences) to open the "*Preferences*" section and on the left click on **Security (Enchanced)**

Preferences		×
Categories:	Sandbox Protections	
Commenting / Documents	Enable Protected Mode at startup     Run in AppContainer  Protected View	
General Page Display	<ul> <li>Files from potentially unsafe locations</li> <li>All files</li> </ul>	
Accessibility Action Wizard Adobe Online Services Catalog	Enhanced Security	View
Color Management Content Editing Convert From PDF Convert To PDF Email Accounts	Privileged Locations If your workflows are negatively impacted by security settings, use Privileged Locations to selectively trust files, folders, and hosts to bypass those security setting restrictions. Privileged Locations allows you to work securely while granting trust to items in your workflow.	
Forms Generative Al Identity Internet JavaScript	Automatically trust documents with valid certification  Automatically trust sites from my Win OS security zones  View Windows Trusted Sites	
Language Measuring (2D) Measuring (3D) Measuring (Geo)		Vind
Multimedia & 3D Multimedia (legacy) Multimedia Trust (legacy) Reading Reviewing		
Search Security Security (Enhanced) Signatures	Add File Add Folder Path Add Host Rema	ove
Spelling Tracker Trust Manager	What is Protected View? What is Enhanced Security? What are Privileged Locations?	
	OK C	ancet





- 3. If the option **Enable Protected Mode at startup** is checked, uncheck it. The security question will pop up, click **Yes** and restart the app. If the option is not checked, skip to <u>step 5</u>
- 4. After restarting the app, press Ctrl + K (Menu/Preferences) again
- 5. Switch to the **Signatures** section. In the *"Identities & Trusted Certificates"* division, click **More...**



6. In the new window, select **PKCS#11 Modules and tokens** and click on the **Attach Module** 







 In the newly opened window navigate to the C:\Program Files (x86)\Personal\bin64, select personal64.dll and click on Open (if you do not have the 'Program Files (x86)' folder, open C:\Program Files\Personal\bin and select 'personal.dll'). After that, close the window

Locate a PKCS#11 Module X					
$\leftarrow \rightarrow \checkmark \uparrow$	Windows (C:) > Program Files (x86) > Personal	I> bin64 ∖	Search bin64	م	
Organize 🔻 New	<i>w</i> folder			• 🔳 🕐	
🖈 Quick access	▲ Name ▲	Date modified	Type Si	ze 🔥 🔥	
OneDrive - Pers	Ing_isis64.dll	22.8.2022. 22:05	Application exten	177 KB	
This PC	ing_svseo4.dll	22.8.2022. 22:05	Application exten	1.464 KB	
	personal_md64.dll	22.8.2022. 22:05	Application exten	4.112 KB	
		22.8.2022. 22:05	Application exten	4.112 KB	
File name: personal64.dll V PKCS#11 modules (*.DLL) V					
			Open	Cancel	

After you have followed the steps, you can sign the document.

In case the application reports that the signature is not valid after signing the document, you need to follow these steps:

- 1. Press Ctrl + K (Menu/Preferences) and on the left click on Signatures
- 2. In the "Verification" section click More...

3D & Multimedia	Verification	
Accessibility	Controlling of the size of the	
Adobe Online Services	Control now and when signatures are verified	More
Email Accounts		
Forms		
Identity	Identities & Trusted Certificates	
Internet		
JavaScript	Create and manage identities for signing	More
Language	• Manage credentials used to trust documents	
Measuring (2D)		
Measuring (3D)	Document Timestamping	
Measuring (Geo)		
Multimedia (legacy)	Configure timestamp server settings	More
Multimedia Trust (legacy)		
Reading		
Reviewing		
Search		
Security		
Security (Enhanced)		
Signatures		



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 A new window will open, in which you should check Validating Signatures and Validating Certified Documents under the section "Windows Integration" at the bottom. To save changes, click OK

Current time	() Never			
Windows Integration Trust ALL root certificates in the Windows Certificate Store for:				
<ul> <li>✓ Validating Signatures</li> <li>✓ Validating Certified Documents</li> </ul>				
Selecting either of these options may result in arbitrary material being treated as trusted content. Take care before enabling these features.				
Help	OK Cancel			

By taking the provided steps, the program Adobe Acrobat Reader DC has been set up to trust all digital signatures installed on the computer. Restart Adobe Acrobat, and the signatures will be valid.

