

Adaugarea modulului PKCS#11 in Adobe Reader DC



1. Introducere

Acest ghid prezinta pasii necesari pentru adaugarea modulului pkcs#11 in Adobe ReaderDC.

Prezentul ghid se adreseaza modelului de dispozitiv:



Modulul PKCS#11, al dispozitivului LONGMAI - mtokenCryptoIDE, poate fi gasit in locatia **C:\Windows\System32\cryptoide_pkcs11.dll.**

2. Adaugarea modulului

Pentru adaugarea modulului criptografic al dispozitivului LONGMAI - mtokenCryptoIDE, in Adobe Reader DC, trebuie urmati pasii de mai jos:

Pasul 1. Se deschide Adobe Reader si se acceseaza Meniu -> Preferences -> Security (Enhanced) si se debifeaza Enable Protected Mode at startup urmand sa se inchida fereastra cu OK si sa se restarteze programul Adobe Reader.

Sandbox Protection	ons
Enable Protect	ted Mode at startup
Protected View	Off
	Files from potentially unsafe locations
	O All files

Pasul 2. Dupa redeschiderea programului Adobe Reader se acceseaza din nou Meniu
 Preferences -> Signatures si din grupul Identities & Trusted
 Certificates se face click pe More...

Identities & Trusted Certificates	
 Create and manage identities for signing Manage credentials used to trust documents 	More



Pasul 3. Din noua fereastra se face click pe ">", iar din meniul **Digital Ids** se alege submeniul **PKCS#11 Modules and Token** -> click pe butonul **Attach Module**.

🔒 D	igital ID and Trusted Certificate Settine	gs	×
~	Digital IDs	Attach Module Detach Module 🔁 Refresh	
	Roaming ID Accounts	Module Manufacturer ID Library Path	
	Digital ID Files		
	Windows Digital IDs		
	PKCS#11 Modules and Tokens		
	Trusted Certificates		
		Manage PKCS#11 Modules	
		This is a list of loaded PKCS#11 modules. You can load additional modules to gain access to new cryptographic devices	

Pasul 4. Se cauta si se ataseaza modulul **pkcs#11 – cryptoide_pkcs11.dll** - din locatia **C:\Windows\System32**.

> This PC > Local Disk (C:) > Windows > System32			
Name	Date modified	Туре	Size
Cryptext.dll	19-Mar-19 06:44	Application extens	70 KB
Scryptnet.dll	19-Mar-19 06:44	Application extens	165 KB
cryptngc.dll	07-Oct-19 05:56	Application extens	467 KB
cryptoide_pkcs11.dll	21-Apr-20 17:00	Application extens	692 KB
CryptoWinRT.dll	19-Mar-19 06:44	Application extens	361 KB
cryptsp.dll	19-Mar-19 06:44	Application extens	79 KB
cryptsvc.dll	19-Mar-19 06:44	Application extens	94 KB





Pasul 5. Dupa atasarea modulului, click pe ">" de langa **PKCS#11 Modules and Token** si se acceseaza meniul **Longmai PKCS11# Library** urmand sa se acceseze butonul Login pentru logarea pe dispozitiv.

🔒 Digital ID and Trusted Certificate Setting	S			×
✓ Digital IDs	Change Password	Login Logout	🔁 Refresh	
Roaming ID Accounts Digital ID Files Windows Digital IDs V PKCS#11 Modules and Tokens	Token Label Trans Sped QCA	Status Logged out		
> Longmai PKCS11# Library		(#	
Trusted Certificates	Мо	I oken Lab dule Manufacturer II Mode Serial Numbe	el: Irans Sped QCA D: Longmai el: E er: 786398B1232DCEF4	



Pasul 6. Se introduce Codul PIN

Token Label: Trans Sped QCA
Password: ******
OK Cancel

Pasul 7. De sub meniul **Longmai PKCS11# Library** -> click pe **Trans Sped QCA** de unde se alege noul certificat pentru a fi utilizat pentru semnarea documentelor selectandu-se **Use for Signing** din meniul **Usage Options**.



Dupa acesti pasi se inchid ferestrele si se incearca semnarea unui document pdf.



La semnarea documentului pdf, Codul PIN va fi introdus precum in imaginea de mai jos:

Sign as "Name"		
Created 2016.10.05 11:11:57 +0 ~	Create Edit	
me	Digitally signed by Name	
ne	DN:c=RO, sn=Name,	
	givenName=Name, serialNumber=xxxxxxxxxxxx, cn=Name Date:2017.01.10 10:26:01 +02'00'	
ment after signing	View Certificate Details	
ital ID PIN or Password	Back Sign	
	Name" Created 2016.10.05 11:11:57 +0 TRE	