Preuzimanje i instaliranje certifikata MNE eID Root CA i MNE eID CA1

Da bi programi mogli da verifikuju certifikate koje je izdalo Certifikaciono tijelo MUP-a i da bi moglo da se izvrši uspješno verifikovanje kvalifikovanog elektronskog potpisa kojeg je formirao korisnik kome je certifikat izdalo Certifikaciono tijelo MUP-a, neophodno je da u Windows skladište certifikata instalirate oba certifikata "**MNE eID CA1**" i "**MNE eID Root CA**".

Za preuzimanje i instalaciju certifikata Certifikacionog tijela Mup, neophodno je imati administratorska ovlašćenja na računaru.

Certifikate Cerifikacionog tijela MUP možete preuzeti na dva načina:

1. Iz instalacionog paketa koji se nalazi na web stranici:

	Certifikati ~	Registraciona tijela	Česta Pitanja	Download ~	Kontakt 🔍
				Software	
Software			Cer	Uputstva	
			1	Certifikati CA ti	jela
D Uputstva					
≁ Certifikati CA tijela			eID CA certi	ifikati	
	-	Da bi programi mogli d	da verifikuiu certifik	ate koje je izdalo) Certifikaciono tiielo MUP-a i da bi moglo da
		se izvrši uspješno veri	fikovanje kvalifikov	vanog elektronsko	og potpisa kojeg je formirao korisnik kome j

https://ca.servis.mup.gov.me/download/certifikati-ca-tijela/

Posle preuzimanja paketa, treba poći na lokaciju gdje je paket sačuvan na Vašem računaru a zatim ga raspakovati (bilo kojim alatom za ahiviranje – 7-zip, WinRar, WinZip...). U raspakovanom folderu treba da dobijete ova dva fajla:



2. Iz certifikata koji se nalaze na vašoj elektronskoj ličnoj karti

Kada otvorite (dvoklikom) jedan od dva (Identitet/Potpis) certifikata koji se nalaze na Vašoj elektronskoj ličnoj karti, kliknite na tab **Details** i pronađite parametar **Authority Information Access** i pronađite dolje podvučen URL u koraku 3 kao na slici dolje.

A možete iskoristiti i ovako: http://ca.elk.gov.me/cacert/MNEeIDCA1.cer

now:	<all></all>	~	
Field	uthority Key Identifier Ibject Key Identifier L Distribution Points Ithority Information Acce ertificate Policies Ly Usage Iumbprint	Value KeyID=be39265a35611589cf 9a0c21335f42b1821102a7a1e [1]CRL Distribution Point: Distr [1]Authority Info Access: Acc [1]Certificate Policy:Policy Ide Digital Signature (80) 2ebc725479f2fd0e4b70aa7bf	~
20CA1 20posl ACert [2]Aut Acc Alte [3]Aut	,O=Ministarstvo%20unu ova,organizationIdentifie ificate;binary) hority Info Access ess Method=Certification enative Name: URL=http://ca.elk.gov.m hority Info Access ess Method=On-line Cer	utra%c5%a1njih% er=VATME-02016010,C=ME? n Authority Issuer (1.3.6.1.5.5.7.48.2) ne/cacert/MNEeIDCA1.cer 3 tificate Status Protocol	^ ~
		etter etter	

Kada kopirate ovaj link u link bar Vašeg pretraživača i kliknete Enter počeće preuzimanje MNEeIDCA1.cer fajla.

Potražite gdje je sačuvan ovaj fajl, koga možete naći i preko Vašeg pretraživača: Npr u **Google Chrome** pretraživač uđite u **Downloads** i kliknite dugme **Show in folder** Dvoklikom na MNEeIDCA1.cer dobićete poruku:

_	Name:	C:\Llsers\	\Dowr		DCA1 cer	
-	Publisher:	Unknown P	Publisher	iloudus (inivideo)	DEATILET	
	Type:	Security Cer	tificate			
	From:	C:\Users\ \Downloads\MNEeIDCA1.cer				
				<u>O</u> pen	Cancel	
⊡ Al <u>w</u> a	ays ask before	e opening thi	s file			

Odaberite **Open** i kliknite na tab **Details** i pronađite parametar **Authority Information Access** a zetim pronađite dolje podvučen URL u koraku 3 kao na slici dolje. A možete direktno iskoristiti i link: <u>http://ca.elk.gov.me/cacert/MNEeIDRootCA.cer</u>

Field	Value	1
Subject Key Identifier	be39265a35611589cf302f8d2	
CRL Distribution Points	[1]CRL Distribution Point: Distr	
Authority Information Acce	ss [1]Authority Info Access: Acc	
Certificate Policies	[1]Certificate Policy:Policy Ide	
Basic Constraints	Subject Type=CA, Path Lengt	
Key Usage	Certificate Signing, Off-line CR	
Thumbprint	078834697172a90f47a2325e	
ACertificate;binary (Idap://Ida	p.elk.gov.me/CN=MNE%20eID% %20unutra%c5%a1niih%	-
20poslova, organizationIdentifie (ACertificate; binary) [2]Authority Info Access Access Method=Certification Alternative Name: URL= <u>http://ca.elk.gov.m</u>	er=VATME-02016010,C=ME? Authority Issuer (1.3.6.1.5.5.7.48.2) Me/cacert/MNEeIDRootCA.cer 3	
20poslova, organizationIdentifie CACertificate; binary) [2]Authority Info Access Access Method=Certification Alternative Name: URL= <u>http://ca.elk.gov.m</u> [3]Authority Info Access	er=VATME-02016010,C=ME? n Authority Issuer (1.3.6.1.5.5.7.48.2) ne/cacert/MNEeIDRootCA.cer 3	,

Posle preuzimanja certifikata, preko jednog od gore navedenih načina slijedi instalacija ova dva certifikata.

Instalacija certifikata CA tijela MUP

Prvo ćemo instalirati MNEeIDRootCA.cer a zatim MNEeIDCA1.cer.

Instalacija se obavlja u sledećim koracima:

1. Dvoklikom pokrenite MNEeIDRootCA.cer fajl



Odaberite Open.

 Posle toga otvoriće se forma Certificate na kojoj su prikazani podaci o certifikatu ROOT CA servera Certifikacionog tijela MUP-a ("MNEeIDRootCA."). Potrebno je pritisnuti dugme Install Certificate..., kao što je prikazano na slici dolje.

This CA Root install this ce	certificate is not trusted. To enable trust, rtificate in the Trusted Root Certification
Authorities s	tore.
Issued to	D: MNE eID Root CA
Issued b	y: MNE eID Root CA
Valid fro	m 12-Mar-20 to 12-Jun-50

 Zatim će se pojaviti forma Certificate Import Wizard. Taj Wizard vodi korisnika kroz proces instaliranja certifikata ROOT CA servera Certifikacionog tijela MUP u Windows skladište certifikata. Preporučljivo je selektovati drugu opciju Local Machine i za nastavak pritisnuti dugme Next.

Welcom	e to the Ce	rtificate Im	port Wizard	
This wizard he lists from you	elps you copy cer r disk to a certific	tificates, certifica ate store.	te trust lists, and cer	tificate revocation
A certificate, and contains	which is issued by information used	y a certification au to protect data or a is the system ar	thority, is a confirm to establish secure	ation of your identity network
Store Locat	ion	e is u le system an		are rept.
O <u>C</u> urrent	User			
●Local M	achine			
To continue,	dick Next.			

4. Sada slijedi forma na kojoj treba izabrati Windows skladište certifikata u koje će biti instaliran certifikat ROOT CA servera Certifikacionog tijela MUP. Potrebno je selektovati opciju Place all certificates in the following store, zatim Browse, odaberite Trusted Root Certificate Authorities i kliknite na OK – kao na sledećoj slici (ispratite korake po brojevima).

	Select Certificate Store X
🗧 🛃 Certificate Import Wizard	Select the certificate store you want to use.
Certificate Store Certificate stores are system areas where certificates are kept.	Personal 3 Trusted Root Certification Authorities Trusted Root Certification Authorities Therprise Trust Trusted Publichers
Windows can automatically select a certificate store, or you can specify a the certificate.	Intrusted Certificates Show physical stores
1 Place all certificates in the following store Certificate store:	4 OK Cancel
	2

- 5 Next Cancel
- 5. Klikom na **Next** iz prethodne slike (iz koraka 4) pojaviće se forma koja prikazuje izabrano Windows skladište certifikata.

The certificate will be imported after you click Finish. You have specified the following settings: Certificate Store Selected by User Content Certificate	
You have specified the following settings: Certificate Store Selected by User Content Certificate Certificate	

Klikom na **Finish** završeno je instaliranje certifikata Root CA servera Certifikacionog tijela MUP u Windows skladište certifikata. Na kraju će se pojaviti završna forma Certificate Import Wizard kao potvrda uspješnog instaliranja certifikata.



Na kraju potrebno je zatvoriti formu Certificate pritiskom na dugme OK.

8 <mark>8</mark>	Certificate Information
This insta	CA Root certificate is not trusted. To enable trust, Il this certificate in the Trusted Root Certification
Auth	orities store.
	Issued to: MNE eID Root CA
1	Issued by: MNE eID Root CA
	Valid from 12-Mar-20 to 12-Jun-50

Napomena: Po istim koracima se instalira i drugi certifikat certifikacionog tijela MUP – MNE eID CA1.

Provjera instaliranih Certifikata certifikacionog tijela MUP

Najlakši način da se provjeri instalirani Root CA Certifikat jeste da pokrenemo Run formu (kombinacijom tastera Win+R) i u polje **Open** ukucati *certmgr.msc* zatim pritisnuti **OK**.

🖅 Run		×
	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.	
<u>O</u> pen:	certmgr.msc	~
	OK Cancel <u>B</u> rowse	

Otvoriće se forma **certmgr**, izaberite **Trusted Root Certification Authorities** > **Certificates**, kao na sledećoj slici:

<u>File Action View H</u> elp	
🗢 🔿 🙍 🗊 🗎 🗖 🖬 🖬	
Certificates - Current User	Issued By MNE eID Root CA MNE eID Root CA
 Enterprise Trust Intermediate Certification Active Directory User Obje Trusted Publishers Untrusted Certificates Third-Party Root Certificat Trusted People 	
 Client Authentication Issue Other People Local NonRemovable Certi MSIEHistoryJournal Nitro5Trusted Certificate Enrollment Req 	
Cmart Card Trusted Deate	>