



Naslov dokumenta:	Preuzimanje i instalisanje sertifikata ROOT CA servera Sertifikacionog tela Pošte u Windows skladište sertifikata
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Napomena: Korisničko uputstvo je napisano za rad u operativnom sistemu Windows 10.

Da bi programi mogli da veruju sertifikatima koje je izdalo Sertifikaciono telo Pošte i da bi moglo da se izvrši uspešno verifikovanje elektronskog potpisa kojeg je formirao korisnik kome je sertifikat izdalo Sertifikaciono telo Pošte, neophodno je u Windows skladište sertifikata instalisati oba sertifikata ROOT CA servera Sertifikacionog tela Pošte (**Pošta Srbije CA Root** i **Posta CA Root**).

Za preuzimanje i instalisanje sertifikata ROOT CA servera Sertifikacionog tela Pošte, neophodno je imati administratorska ovlašćenja na računaru.

Sertifikate ROOT CA servera Sertifikacionog tela Pošte možete preuzeti na više načina:

- Iz instalacionog paketa koji se nalazi na web strani <u>https://www.ca.posta.rs/preuzimanje\_softvera.htm;</u>
- Na web strani Sertifikacionog tela Pošte: https://www.ca.posta.rs/ca-sertifikati/default.htm.

Na slici 1. je prikazana forma koja se pojavljuje posle preuzimanja sertifikata ROOT CA servera Sertifikacionog tela Pošte (**Pošta Srbije CA Root**) sa web strane <u>https://www.ca.posta.rs/ca-sertifikati/default.htm</u>, odabirom opcije **1. DER binarni format.** Na prikazanoj formi sa slike 1. potrebno je pritisnuti dugme *Open*.



Slika 1. Forma za otvaranje i snimanje datoteke **Pošta Srbije CA Root** sertifikata ROOT CA servera

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C<sub>PP</sub>

Ukoliko koristite web pretraživač Internet Explorer, pojaviće se forma *Internet Explorer Security* na kojoj treba pritisnuti dugme *Allow*, kao što je prikazano na slici 2.

A website wants to open web content using this program on your computer         This program will open outside of Protected mode. Internet Explorer's Protected mode helps protect your computer. If you do not trust this website, do not open this program.         Image: Name: Crypto Shell Extensions Publisher: Microsoft Windows	×	ternet Explorer Security
This program will open outside of Protected mode. Internet Explorer's <u>Protected mode</u> helps protect your computer. If you do not trust this website, do not open this program. Name: <b>Crypto Shell Extensions</b> Publisher: <b>Microsoft Windows</b>		A website wants to open web content using this     program on your computer
Name: Crypto Shell Extensions Publisher: Microsoft Windows		This program will open outside of Protected mode. Internet Explorer's <u>Protected mode</u> helps protect your computer. If you do not trust this website, do not open this program.
		Name: Crypto Shell Extensions Publisher: Microsoft Windows
Do not show me the warning for this program again		Do not show me the warning for this program again

Slika 2. Forma Internet Explorer Security

Posle toga otvoriće se forma *Certificate* (slika 3.) na kojoj su prikazani podaci o sertifikatu ROOT CA servera Sertifikacionog tela Pošte (**Pošta Srbije CA Root**). Potrebno je pritisnuti dugme *Install Certificate...*, kao što je prikazano na slici 3.

General Details Certification Path	able trust, rtification
Certificate Information This CA Root certificate is not trusted. To en install this certificate in the Trusted Root Ce Authorities store.	able trust, rtification
This CA Root certificate is not trusted. To en install this certificate in the Trusted Root Ce Authorities store.	able trust, rtification
Authorities store.	
<i>©</i>	20
Issued to: Pošta Srbije CA Root	
Issued by: Pošta Srbije CA Root	
Valid from 4/23/2019 to 4/23/2044	
Install Certificate.	Issuer Statement

Slika 3. Sertifikat ROOT CA servera Sertifikacionog tela Pošte, kartica General

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Zatim će se pojaviti forma *Certificate Import Wizard* (slika 4.). Taj *Wizard* vodi korisnika kroz proces instalisanja sertifikata ROOT CA servera Sertifikacionog tela Pošte u Windows skladište sertifikata. Preporučljivo je selektovati drugu opciju *Local Machine* i za nastavak pritisnuti dugme *Next*.

5	Certificate Import Wizard	×
	Welcome to the Certificate Import Wizard	
	This wizard helps you copy certificates, certificate trust lists, and certificate revocation lists from your disk to a certificate store.	
	A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept.	
	Store Location	
	Current User     Ocal Machine	
	To continue, click Next.	
	Next N Cance	1

Slika 4. Forma Certificate Import Wizard

Nakon toga sledi forma (slika 5.) na kojoj treba izabrati Windows skladište sertifikata u koje će biti instalisan sertifikat ROOT CA servera Sertifikacionog tela Pošte. Potrebno je selektovati drugu opciju *Place all certificates in the following store*, pritisnuti dugme *Browse*, selektovati *Trusted Root Certification Authorities* i pritisnuti dugme *OK*. Za nastavak treba pritisnuti dugme *Next*.





Certificate Store		
Certificate stores are system areas where o	rtificates are kept.	
Windows can automatically select a certifica	e store, or you can specifi	v a location for
the certificate.	e store, or you can spear	allocation for
O Automatically select the certificate st	re based on the type of ce	artificate
Place all certificates in the following s	pre	
Select Certificate Store	×	
Select the certificate store you want to use.		Browse
Personal	<u>^</u>	
Enterprise Trust		
Intermediate Certification Authorities		
Irusted Publishers	~	
Untrusted Certificates	122X31	

Slika 5. Forma za izbor Windows skladišta sertifikata

U sledećem koraku pojavljuje se forma (slika 6.) koja prikazuje izabrano Windows skladište sertifikata. Za nastavak treba pritisnuti dugme *Finish*.





Completing t	he Certificate Import Wizard	
The certificate will be	imported after you dick Finish.	
You have specified th	e following settings:	
Certificate Store Se Content	ected by User Trusted Root Certification Authorit Certificate	ies

Slika 6. Forma sa prikazom izabranog Windows skladišta sertifikata

Instalisanje sertifikata ROOT CA servera Sertifikacionog tela Pošte u Windows skladište sertifikata je tada završeno i pojaviće se završna forma *Certificate Import Wizard* kao potvrda uspešnog instalisanja sertifikata (slika 7.). Potrebno je pritisnuti dugme *OK* na formi sa slike 7.

Certificate	e Import Wizard	×
1	The import was successfu	il.
	ОК	

Slika 7. Poruka da je uspešno izvršeno instalisanje sertifikata ROOT CA servera Sertifikacionog tela Pošte u Windows skladište sertifikata



Cepp

Na kraju, potrebno je zatvoriti formu *Certificate* pritiskom na dugme *OK*, kao što je prikazano na slici 8.

Issued to: Pošta Srbije CA Root Issued by: Pošta Srbije CA Root	This CA Root ce install this cert Authorities sto	rtificate is not trusted. To enable tr ficate in the Trusted Root Certificat re.	ust, ion
Issued by: Pošta Srbije CA Root	Issued to:	Pošta Srbije CA Root	
	Issued by:	Pošta Srbije CA Root	
Valid from 4/23/2019 to 4/23/2044	Valid from	4/23/2019 to 4/23/2044	

Slika 8. Sertifikat ROOT CA servera Sertifikacionog tela Pošte, kartica General

U nastavku je prikazan postupak instalisanja **Posta CA Root** (Slika 9.). Nakon upisivanja <u>https://www.ca.posta.rs/ca-sertifikati/default.htm</u> u predviđeno polje web pretraživača, odaberite opciju **1. DER binarni format (Posta CA Root)** da biste preuzeli i pokrenuli postupak instalacije. Na prikazanoj formi sa slike 9. potrebno je pritisnuti dugme Open.



Slika 9. Forma za otvaranje i snimanje datoteke Posta CA Root sertifikata ROOT CA servera

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Cepp

Ukoliko koristite web pretraživač Internet Explorer, pojaviće se forma *Internet Explorer Security* na kojoj treba pritisnuti dugme *Allow*, kao što je prikazano na slici 10.

Internet	Explorer Security >
	A website wants to open web content using this program on your computer
	This program will open outside of Protected mode. Internet Explorer's <u>Protected mode</u> helps protect your computer. If you do not trust this website, do not open this program.
	Name:         Crypto Shell Extensions           Publisher:         Microsoft Windows
	Do not show me the warning for this program again

Slika 10. Forma Internet Explorer Security

Posle toga otvoriće se forma *Certificate* (slika 11.) na kojoj su prikazani podaci o setifikatu ROOT CA servera Sertifikacionog tela Pošte (**Posta CA Root**). Potrebno je pritisnuti dugme *Install Certificate*..., kao što je prikazano na slici 11.

6	Certifica	te Information	
This	s certificate	is intended for the following purpose(s	5):
	Ensures the     Proves you	e identity of a remote computer r identity to a remote computer	^
	Protects e-     Ensures so	mail messages ftware came from software publisher	
	<ul> <li>Protects so</li> <li>Allows data</li> </ul>	to be signed with the current time	~
*Re	fer to the cer	tification authority's statement for details.	
	Issued to:	Posta CA Root	
	Issued by:	Posta CA Root	
	Valid from	10/20/2008 <b>to</b> 10/20/2028	
		Install Certificate	itement

Slika 11. Sertifikat ROOT CA servera Sertifikacionog tela Pošte, kartica General





Zatim će se pojaviti forma *Certificate Import Wizard* (slika 12.). Taj *Wizard* vodi korisnika kroz proces instalisanja sertifikata ROOT CA servera Sertifikacionog tela Pošte u Windows skladište sertifikata. Preporučljivo je selektovati drugu opciju *Local Machine* i za nastavak pritisnuti dugme *Next*.

		×
÷	🐓 Certificate Import Wizard	
	Welcome to the Certificate Import Wizard	
	This wizard helps you copy certificates, certificate trust lists, and certificate revocation lists from your disk to a certificate store.	
	A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept.	
	Store Location	
	O Current User	
	Docal Machine	
	To continue, dick Next.	
	Next Cancel	

Slika 12. Forma Certificate Import Wizard

Nakon toga sledi forma (slika 13.) na kojoj treba izabrati Windows skladište sertifikata u koje će biti instalisan sertifikat ROOT CA servera Sertifikacionog tela Pošte. Potrebno je selektovati drugu opciju *Place all certificates in the following store*, pritisnuti dugme *Browse*, selektovati *Trusted Root Certification Authorities* i pritisnuti dugme *OK*. Za nastavak treba pritisnuti dugme *Next*.





Certificate Store		
Certificate stores are system areas where o	rtificates are kept.	
Windows can automatically select a certifica	e store, or you can specifi	v a location for
the certificate.	e store, or you can spear	allocation for
O Automatically select the certificate st	re based on the type of ce	artificate
Place all certificates in the following s	pre	
Select Certificate Store	×	
Select the certificate store you want to use.		Browse
Personal	<u>^</u>	
Enterprise Trust		
Intermediate Certification Authorities		
Irusted Publishers	~	
Untrusted Certificates	122X31	

Slika 13. Forma za izbor Windows skladišta sertifikata

U sledećem koraku pojavljuje se forma (slika 14.) koja prikazuje izabrano Windows skladište sertifikata. Za nastavak treba pritisnuti dugme *Finish*.





Certificate Import Wizard	
Completing the Certificate Import Wizard	
The certificate will be imported after you click Finish.	
You have specified the following settings:	
Certificate Store Selected by User Trusted Root Certification Authorities Content Certificate	
	Certificate Import Wizard Completing the Certificate Import Wizard The certificate will be imported after you click Finish. You have specified the following settings: Certificate Store Selected by User Content Content Certificate Certificate

Slika 14. Forma sa prikazom izabranog Windows skladišta sertifikata

Instalisanje sertifikata ROOT CA servera Sertifikacionog tela Pošte u Windows skladište sertifikata je tada završeno i pojaviće se završna forma *Certificate Import Wizard* kao potvrda uspešnog instalisanja sertifikata (slika 15.). Potrebno je pritisnuti dugme *OK* na formi sa slike 15.

Certificate Import Wizard	×
The import was successf	ul.
ОК	R

Slika 15. Poruka da je uspešno izvršeno instalisanje sertifikata ROOT CA servera Sertifikacionog tela Pošte u Windows skladište sertifikata



COPP

Na kraju, potrebno je zatvoriti formu *Certificate* pritiskom na dugme *OK*, kao što je prikazano na slici 16.

Certifica	te Information	
This certificate	is intended for the following purpose(s	):
Ensures th     Proves you     Protects e-	e identity of a remote computer ur identity to a remote computer mail messages	1
Ensures so     Protects so     Allows data	iftware came from software publisher oftware from alteration after publication a to be signed with the current time	
* Refer to the cer	tification authority's statement for details.	
Issued to:	Posta CA Root	
Issued by:	Posta CA Root	
Valid from	10/20/2008 to 10/20/2028	

Slika 16. Sertifikat ROOT CA servera Sertifikacionog tela Pošte, kartica General

Posle izvršenog instalisanja setifikata ROOT CA servera Sertifikacionog tela Pošte u Windows skladište sertifikata, moguće je pogledati sertifikat. Najlakši način je da se pokrene forma Run pritiskom tastera Win+R na tastaturi, a zatim u polje *Open* ukucati **inetcpl.cpl** i nakon toga pritisnuti dugme OK (slika 17).



Slika 17. Forma Run za pokretanje forme Internet options



<u>C</u><u>P</u>P

Zatim je potrebno na formi *Internet Options* izabrati karticu *Content*, a posle toga pritisnuti dugme *Certificates...*, kao što je prikazano na slici 18.

	Security	Privacy	Content	Connections	Programs	Advance	
Certific	ates —						
9	Use ce	rtificates	for encrypt	ed connections	s and identif	ication.	
	Clear SSL	state	Certi	ficates	Publish	ers	
AutoCo	molete -		ε.	63			
	AutoC	omplete st	tores previ	ous entries	Settin	gs	
-	for you	bpages an u.	id suggests	matches			
Feeds a	and Web S	lices —		111 P <u>2</u>			
1	Feeds conter	and Web	Slices prov	ide updated	Settings		
	read in	n Internet	Explorer a	nd other			
	progra	11131					

Slika 18. Forma Internet Options, kartica Content, dugme Certificates...

Instalisani setifikati ROOT CA servera Sertifikacionog tela Pošte (**Pošta Srbije CA Root** i **Posta CA Root**) treba da se nalaze u skladištu sertifikata ROOT sertifikacionih tela kojima Windows skladište sertifikata veruje tj. u okviru kartice *Trusted Root Certification Authorities*, kao što je prikazano na slici 19.

🔁 Certificates								×
Intended purpose:	<all></all>	•					1	~
Intermediate Certifi	cation A	uthorities	Trusted Root	Certification Aut	horities	Trusted Publ	•	Þ
Issued To		Issued B	By Expiratio		Friendly Name		^	000
Roota CA Root	Posta CA Root Posta CA		A Root 20/10/20		<none< td=""><td colspan="2">e&gt;</td><td></td></none<>	e>		
Pošta Srbije C	A Root	Pošta Srl	bije CA Root 23/04/2044 <no< td=""><td><none< td=""><td colspan="2">ne&gt;</td><td></td></none<></td></no<>		<none< td=""><td colspan="2">ne&gt;</td><td></td></none<>	ne>		



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