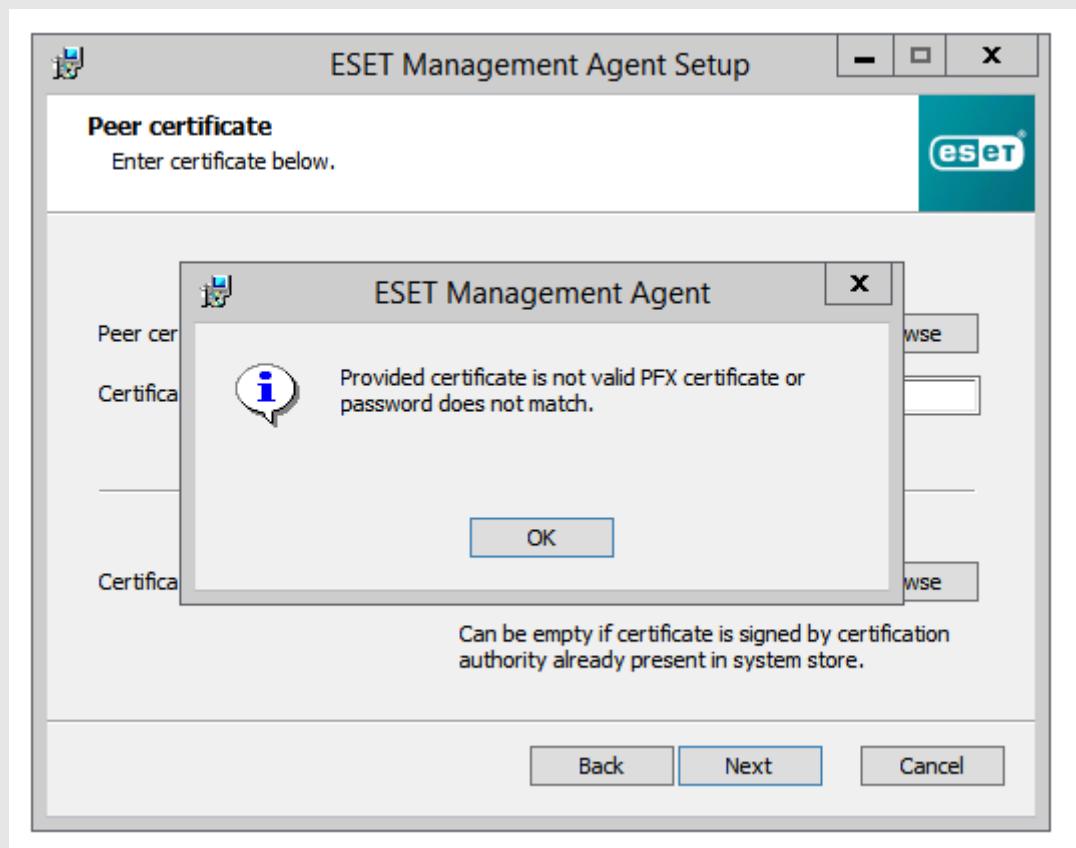


# Povezivanje starih operacijskih sustava Windows sa serverom ESET Protect on-prem v.11+ "Rocky"

## Problem

Na stare verzije Windowsa (starije verzije Windows 10, Windows 2016, ...) se ne može instalirati Agent kreiran na novom ESET Protect on-prem serveru (EPX) "Rocky" jer napuštene verzije Windowsa ne podržavaju moderne oblike certifikata.

Poruka: "Provided certificate is not valid PFX certificate or password does not match"



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## Rješenje

Certifikat kreiran u EPX-u je potrebno prebaciti u oblik koji se može koristiti i na starim Windowsima.

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## Postupak

# [1] Izvoz dva certifikata iz EPX "Rocky" u PFX i DER obliku

- Izvezite ("Export") certifikat iz ESET Protect konzole kao .PFX datoteku

[1.A] EPX >> More >> Peer certificates >> (označite odgovarajući certifikat agenta) >> Export... >> PFX:

The screenshot shows the ESET Protect console interface. On the left sidebar, the 'CERTIFICATES' section is expanded, and 'Peer Certificates' is selected. The main area displays a table of certificates. A context menu is open over a certificate, with the 'Export...' option highlighted. Red arrows indicate the navigation path from the sidebar to the table and then to the context menu.

Tags	DESCRIPTION	STATUS	VALID FROM	VALID TO	TAGS	ISSUER	PRODUC...	SUBJECT	HOST	# OF U...	CA IS P...
	Server certificate		March 30, 2024 23:00:00	April 2, 2024 00:00:00		CN=Ser...	Server	CN=Ser...	*	1	Yes
	Agent certificate		March 30, 2024 23:00:00	April 2, 2024 00:00:00		CN=Ser...	Agent	CN=Ag...	*	1	Yes
	Proxy certificate		March 30, 2024 23:00:00	April 2, 2024 00:00:00		CN=Ser...	Proxy	CN=Pro...	*	0	Yes
	Agent certificate for ser...		March 30, 2024 23:00:00	April 2, 2024 00:00:00		CN=Ser...	Agent	CN=Ag...	*	0	Yes
	ESET Bridge certificate		March 30, 2024 23:00:00	April 2, 2024 00:00:00		CN=Ser...	ESET Bri...	CN=ESE...	*esetco...	0	Yes
	Certificate created dur...		April 9, 2024 02:00:00	April 8, 2029 02:00:00		CN=Aut...	Agent	CN=age...	*	0	Yes
	Certificate created dur...		April 9, 2024 02:00:00	April 8, 2029 02:00:00		CN=Aut...	Agent	CN=age...	*	0	Yes
	Certificate created dur...		April 11, 2024 02:00:00	April 10, 2029 02:00:00		CN=Aut...	Agent	CN=age...	*	0	Yes
	Certificate created dur...		April 11, 2024 02:00:00	April 10, 2029 02:00:00		CN=Aut...	Agent	CN=age...	*	0	Yes
	Certificate created dur...		April 11, 2024 02:00:00	April 10, 2029 02:00:00		CN=Aut...	Agent	CN=age...	*	0	Yes
	Certificate created dur...		April 11, 2024 09:00:00	April 12, 2029 08:59:59		CN=*	Agent	CN=Ag...	*	0	Yes
	Certificate created dur...		April 11, 2024 09:00:00	April 12, 2029 08:59:59		CN=*	Agent	CN=Ag...	*	0	Yes

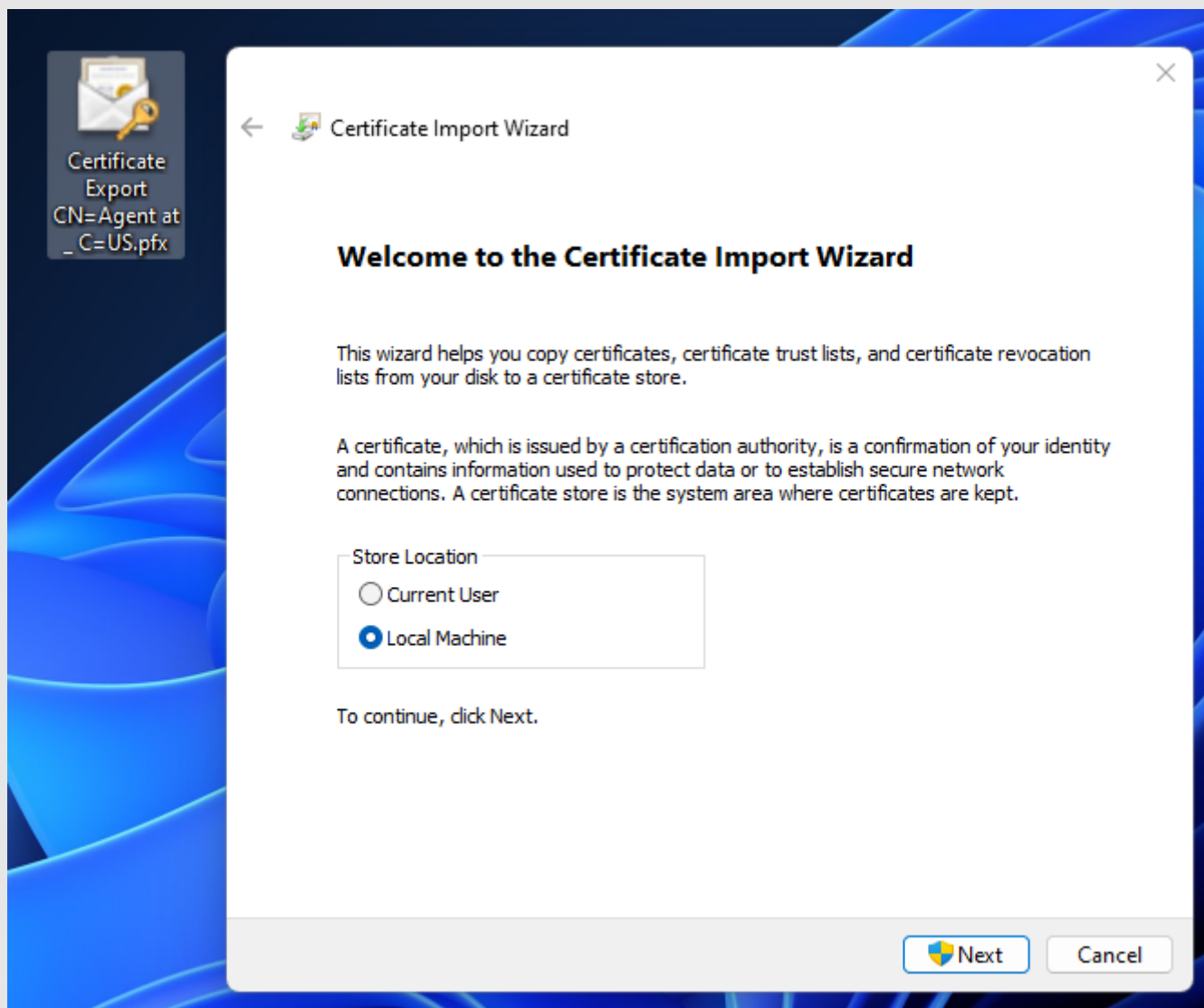
[1.B] EPX >> More >> Certification authorities >> (označite odgovarajući CA) >> Export public key >> DER:

The screenshot shows the ESET Protect console interface. On the left sidebar, the 'CERTIFICATES' section is expanded, and 'Certification Authorities' is selected. The main area displays a table of certification authorities. A context menu is open over a certification authority, with the 'Export Public Key' option highlighted. Red arrows indicate the navigation path from the sidebar to the table and then to the context menu.


Tags	SUBJECT	TAGS	VALID FROM	VALID TO	# OF SIGNED AC...
	CN=Server Certif...		March 30, 2024 23:00:00	April 2, 2024 00:00:00	2
	CN=Authority for ...		April 14, 2024 23:42:58	April 4, 2044 23:42:58	0
	CN=*		April 11, 2024 09:00:00	April 12, 2024 08:59:59	0

## [2] Uvoz certifikata u Windows 11, 2019 ili noviji

- Kopirajte .pfx datoteku na računalo s operacijskim sustavom Windows 11, Windows 2019 ili novijim
- Na tom računalu dva puta kliknite na .pfx
- Pokrenut će se postupak uvoza ("Import") certifikata:





←  Certificate Import Wizard

**File to Import**

Specify the file you want to import.

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File name:

rs\podrska3\Desktop\Certificate Export CN=Agent at \_ C=US.pfx

Browse...

Note: More than one certificate can be stored in a single file in the following formats:

Personal Information Exchange- PKCS #12 (.PFX, .P12)


Cryptographic Message Syntax Standard- PKCS #7 Certificates (.P7B)

Microsoft Serialized Certificate Store (.SST)

Next

Cancel



←  Certificate Import Wizard

**Private key protection**

To maintain security, the private key was protected with a password.

Type the password for the private key.

Password:

Display Password


Import options:

- Enable strong private key protection. You will be prompted every time the private key is used by an application if you enable this option.
- Mark this key as exportable. This will allow you to back up or transport your keys at a later time.
- Protect private key using virtualized-based security(Non-exportable)
- Include all extended properties.

Next

Cancel



←  Certificate Import Wizard

### Certificate Store

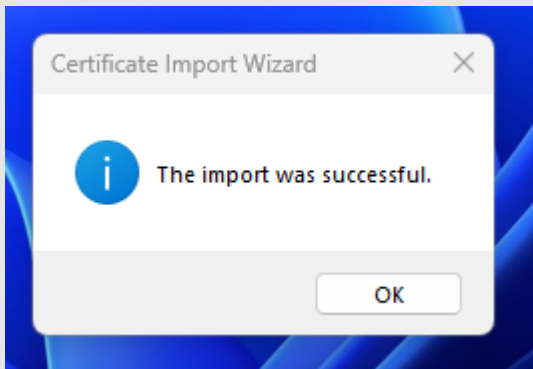
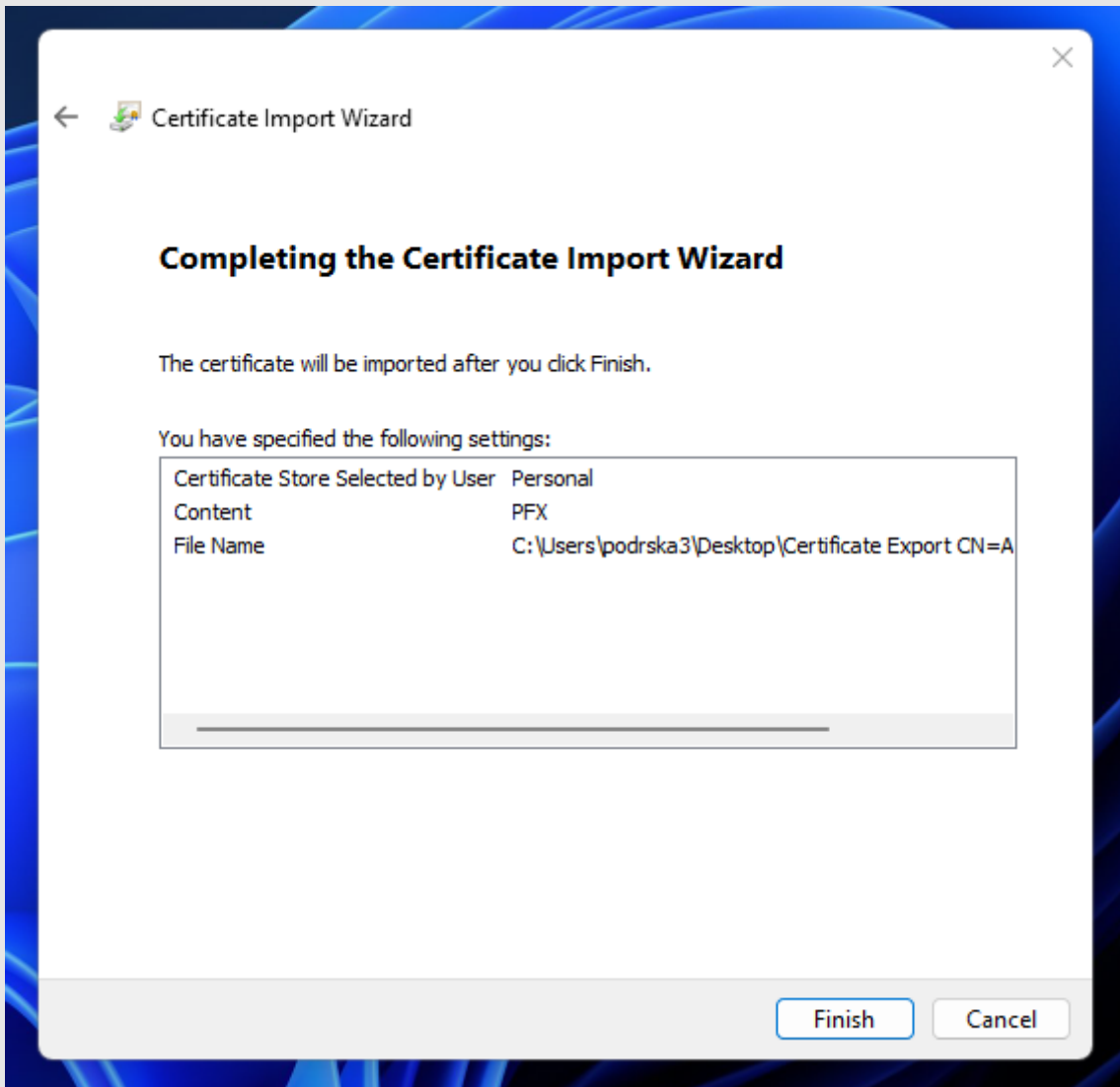
Certificate stores are system areas where certificates are kept.

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Windows can automatically select a certificate store, or you can specify a location for the certificate.

- Automatically select the certificate store based on the type of certificate
- Place all certificates in the following store

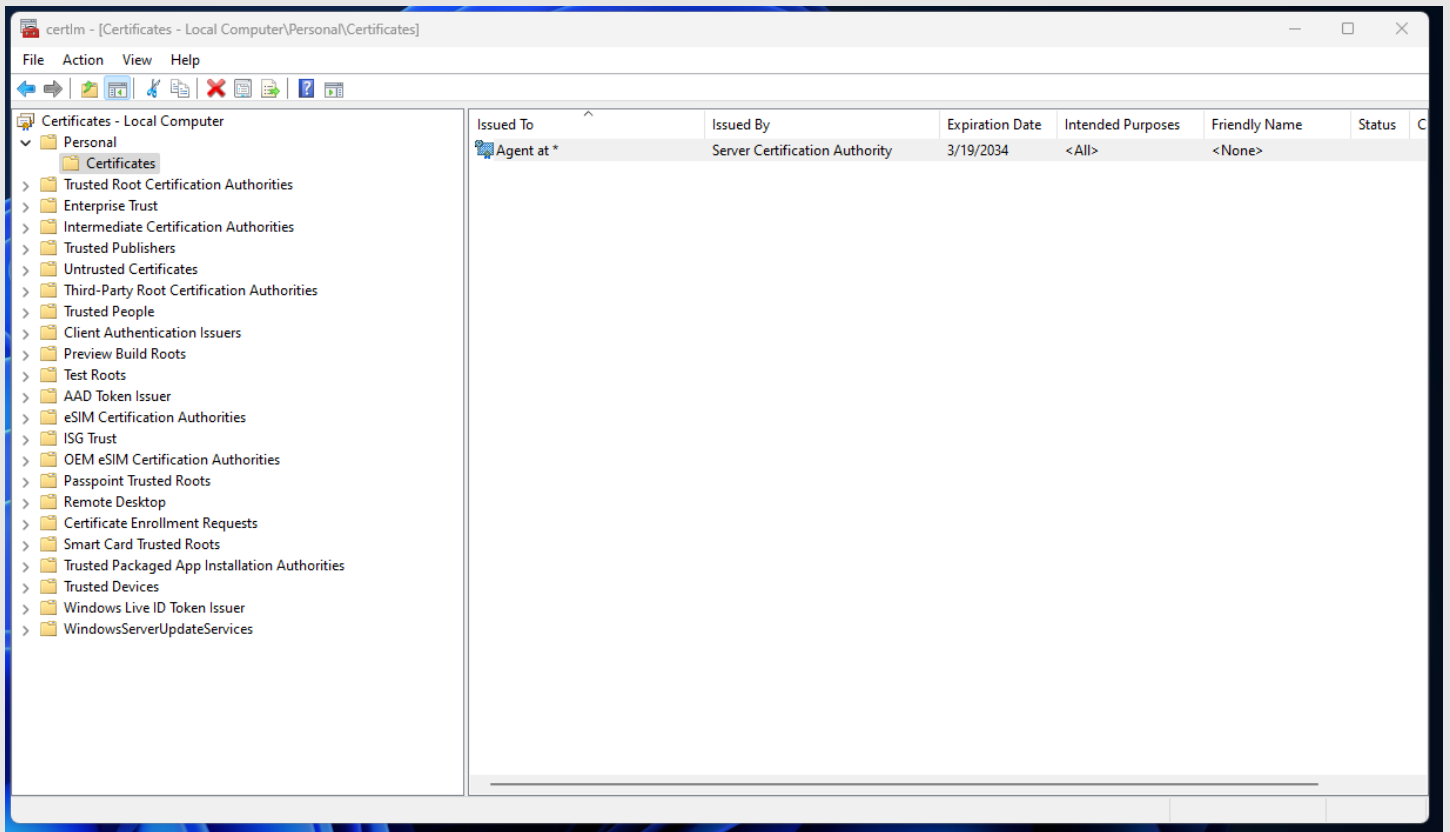
Certificate store:



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## [3] Konverzija certifikata

- Pokrenite "certlm.msc"
- Pronađite uvezeni certifikat
- Kliknite na njega desnom tipkom miša
- Odaberite "All tasks" >> "Export" ("Izvoz")





Certificate Export Wizard



**Export Private Key**

You can choose to export the private key with the certificate.

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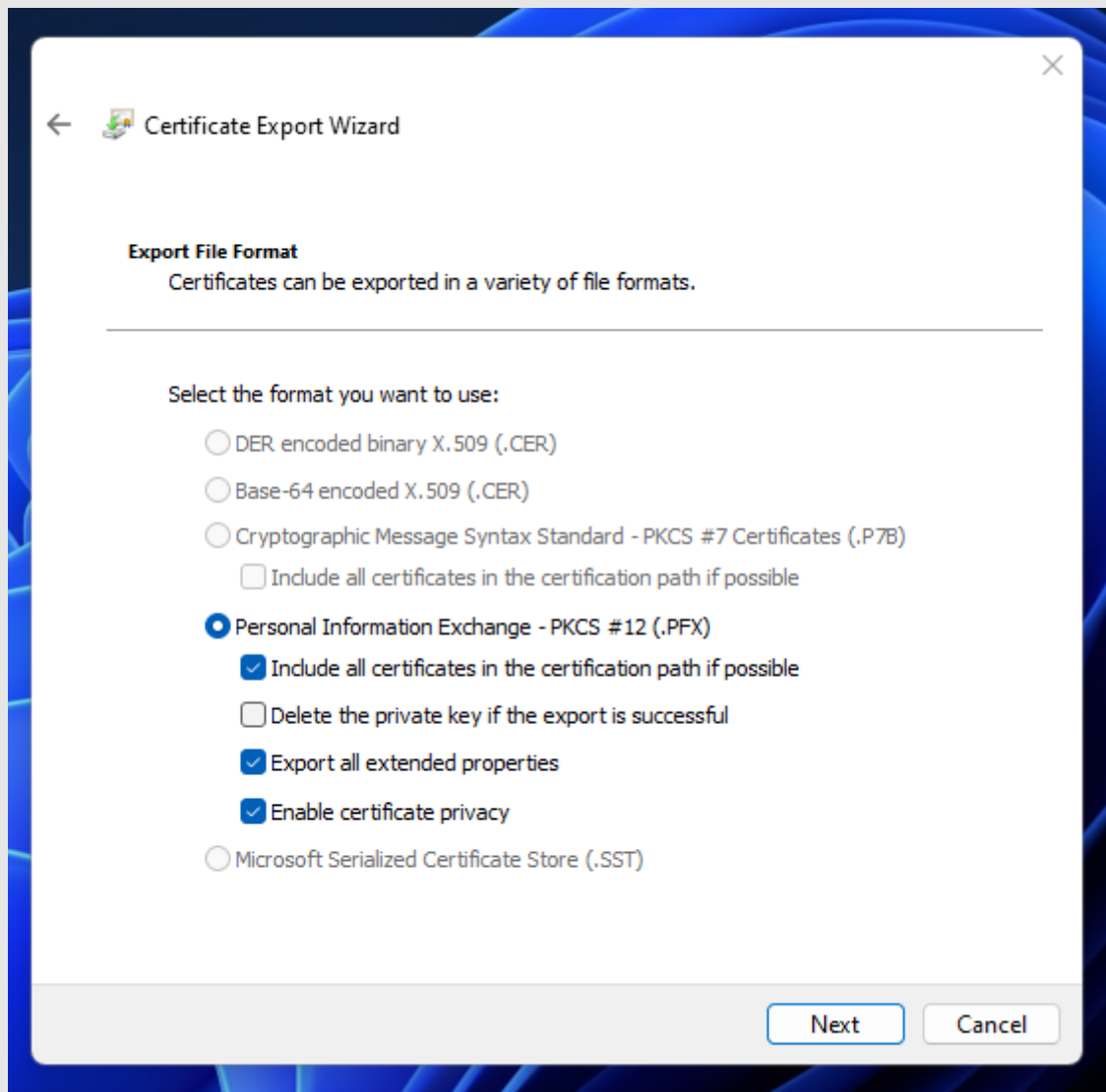
Private keys are password protected. If you want to export the private key with the certificate, you must type a password on a later page.

Do you want to export the private key with the certificate?

- Yes, export the private key
- No, do not export the private key

Next

Cancel



Važno!

Morate dodijeliti lozinku privatnom ključu u sljedećem koraku:



← Certificate Export Wizard

**Security**

To maintain security, you must protect the private key to a security principal or by using a password.

Group or user names (recommended)

Add

Remove

Password:


Confirm password:

Encryption: TripleDES-SHA1 ▾

Next

Cancel



←  Certificate Export Wizard

**File to Export**

Specify the name of the file you want to export

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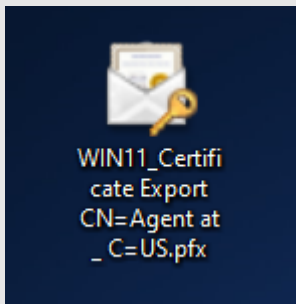
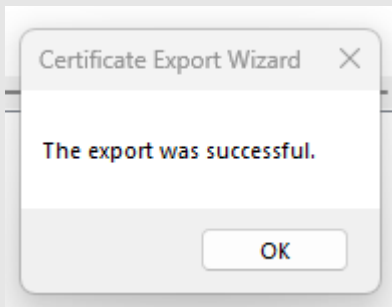
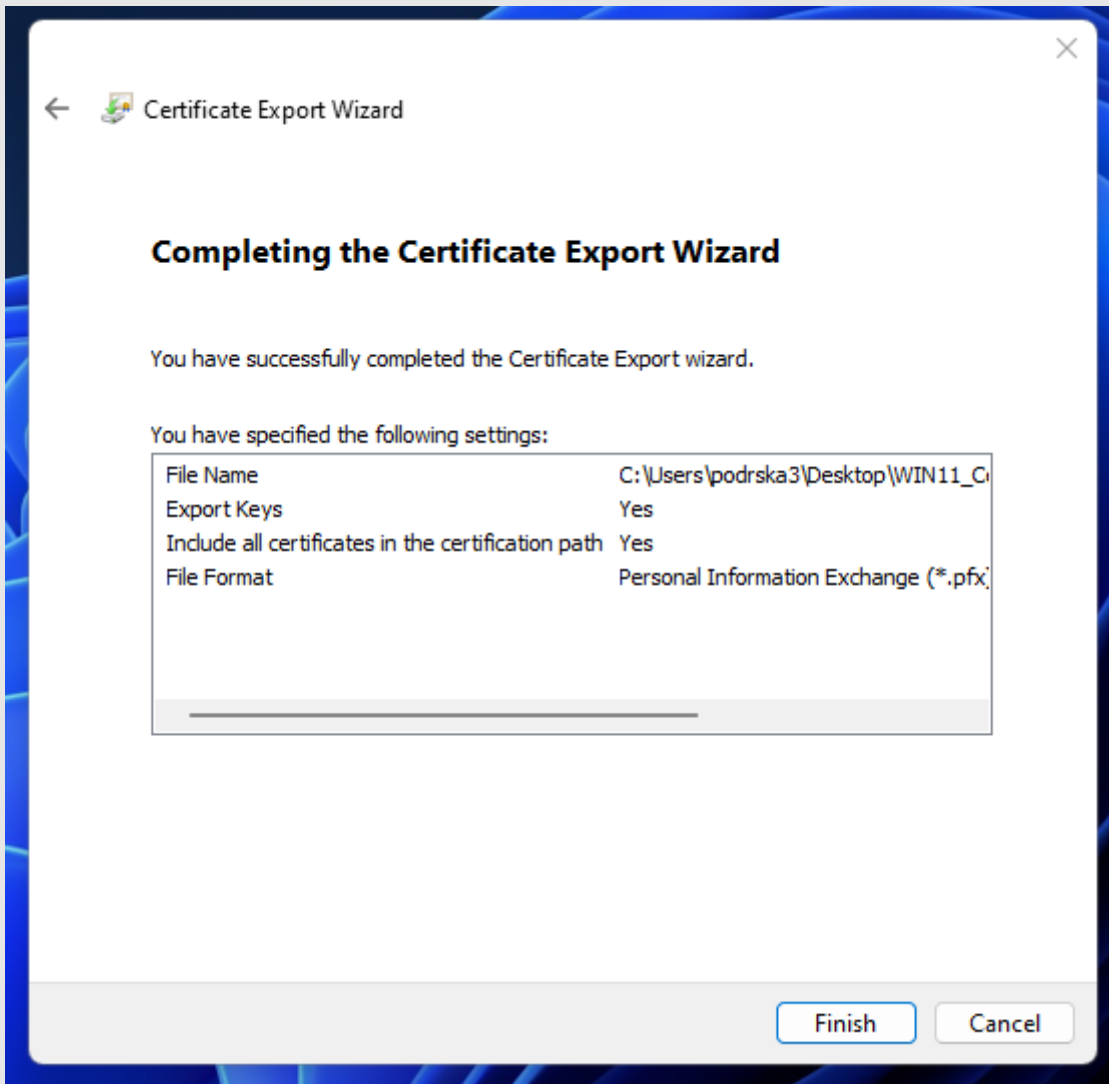
File name:

C:\Users\podrska3\Desktop\WIN11\_Certificate Export CN=Agent a

Browse...

Next

Cancel

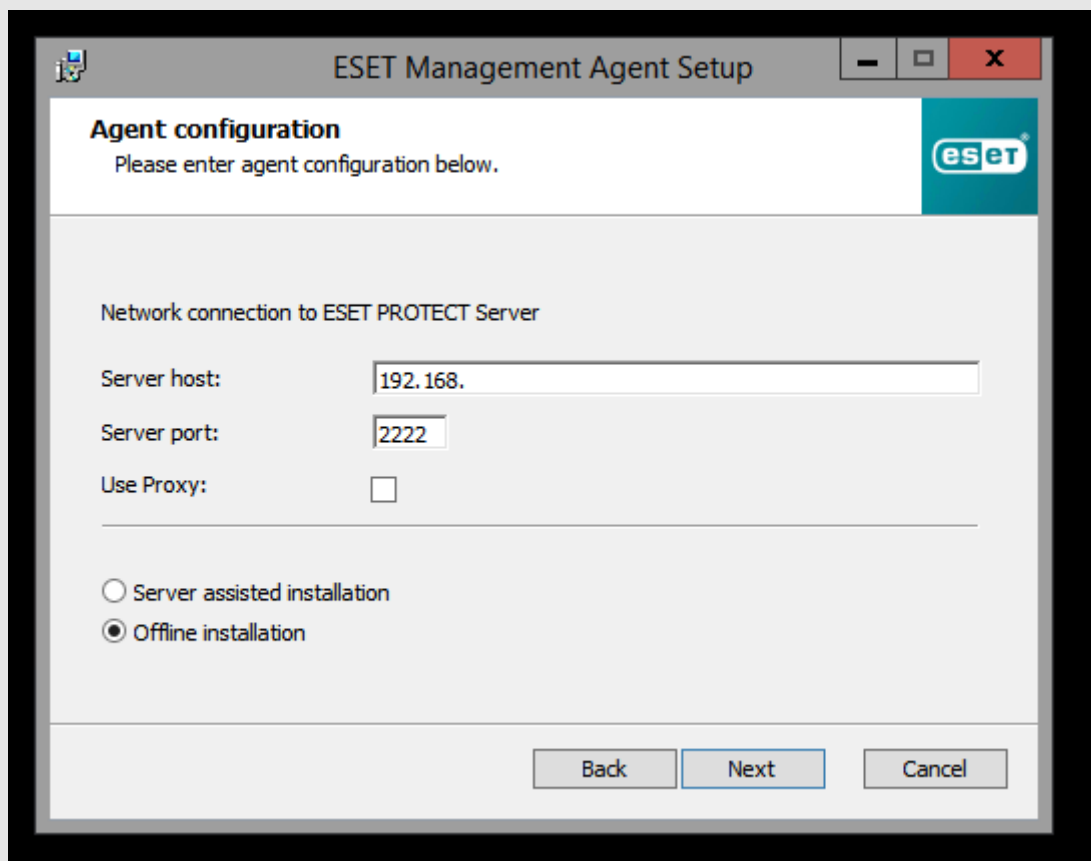
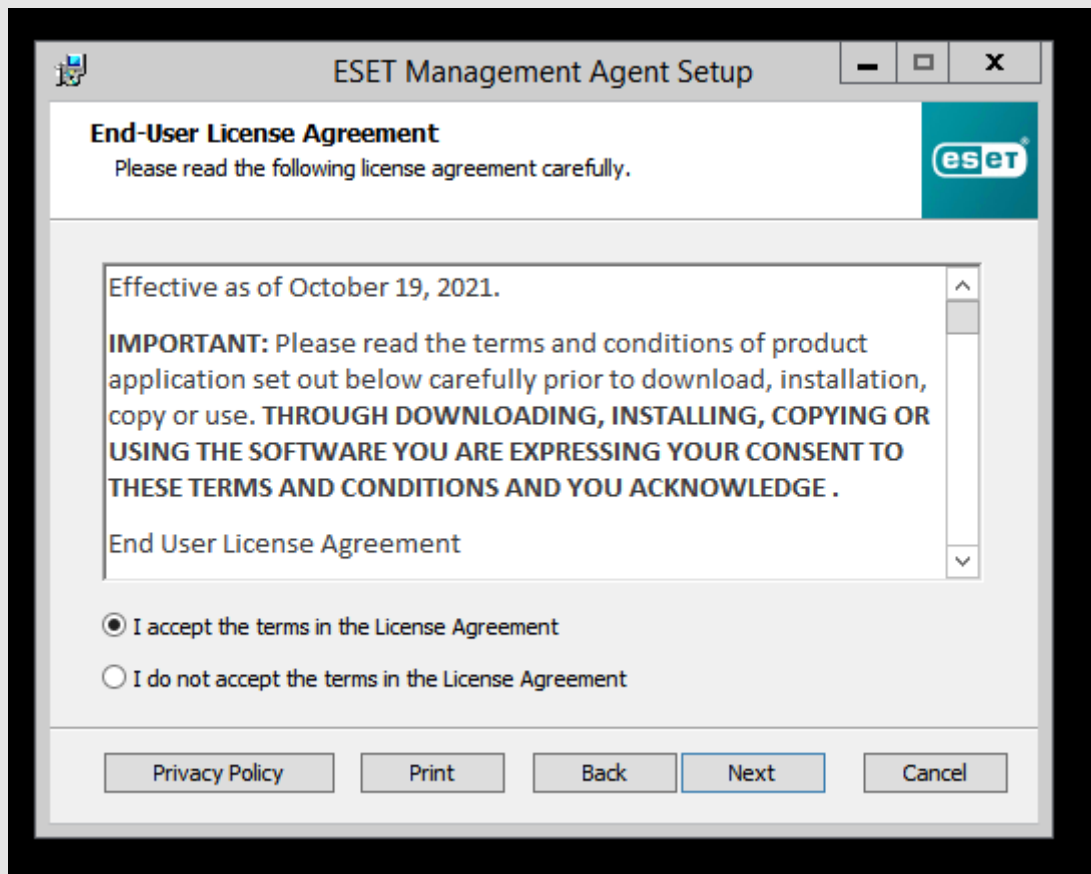


## [4] Instaliranje Agenta

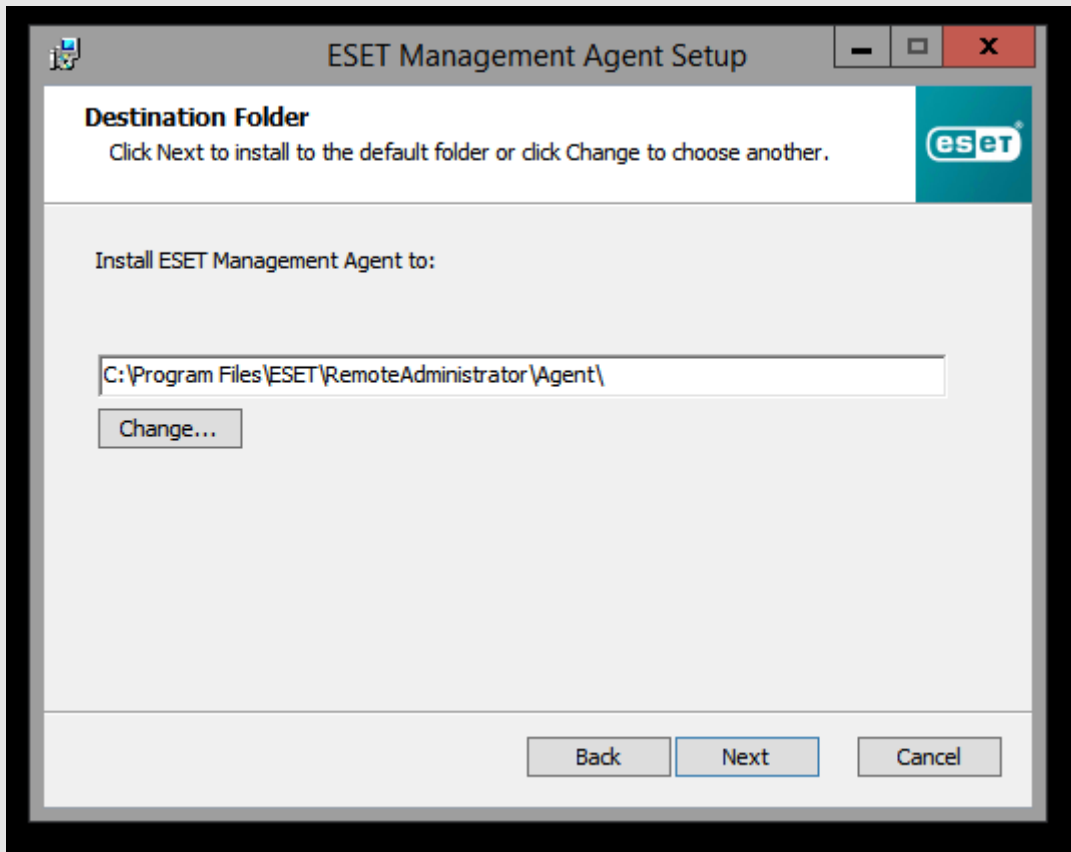
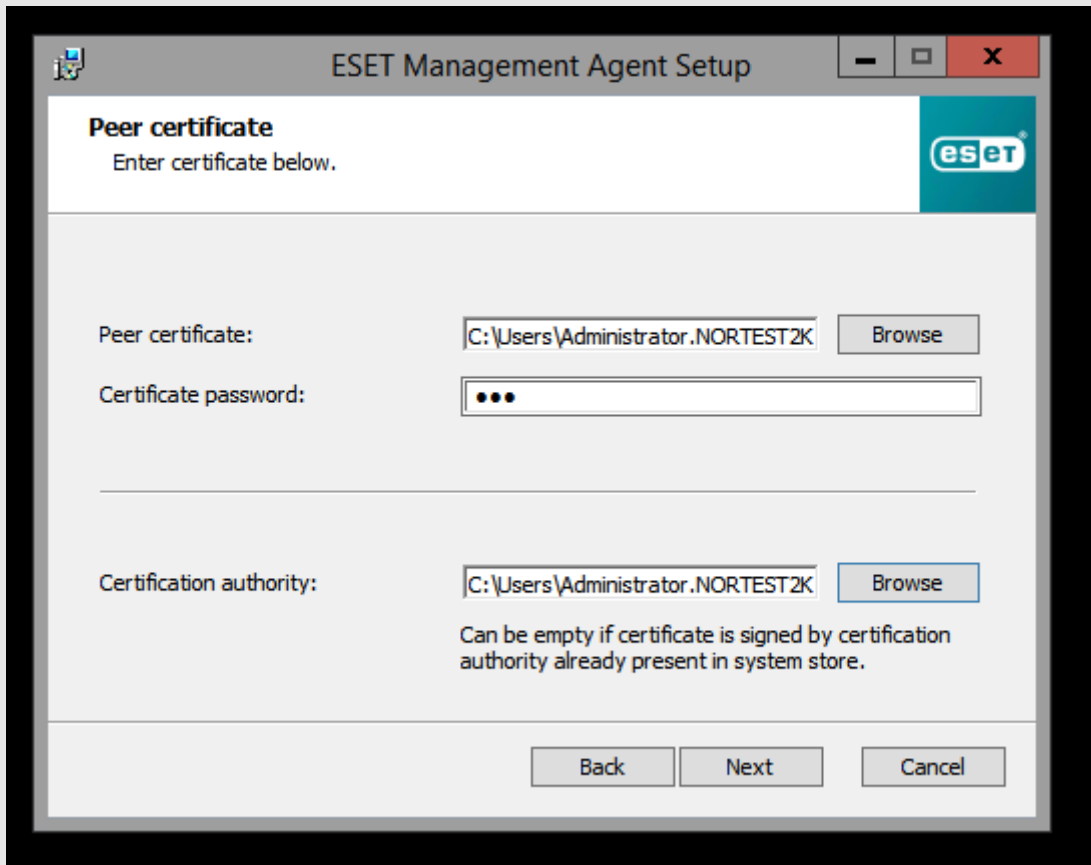
..upotrebom novog oblika certifikata.

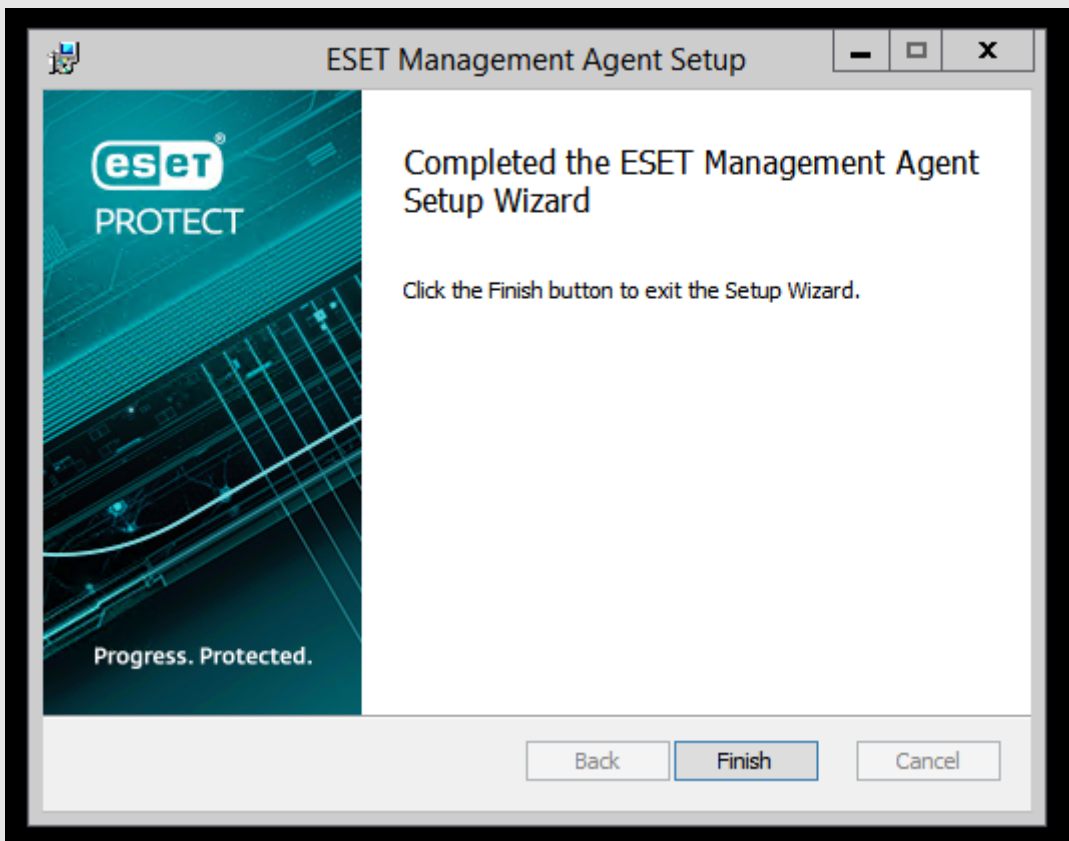
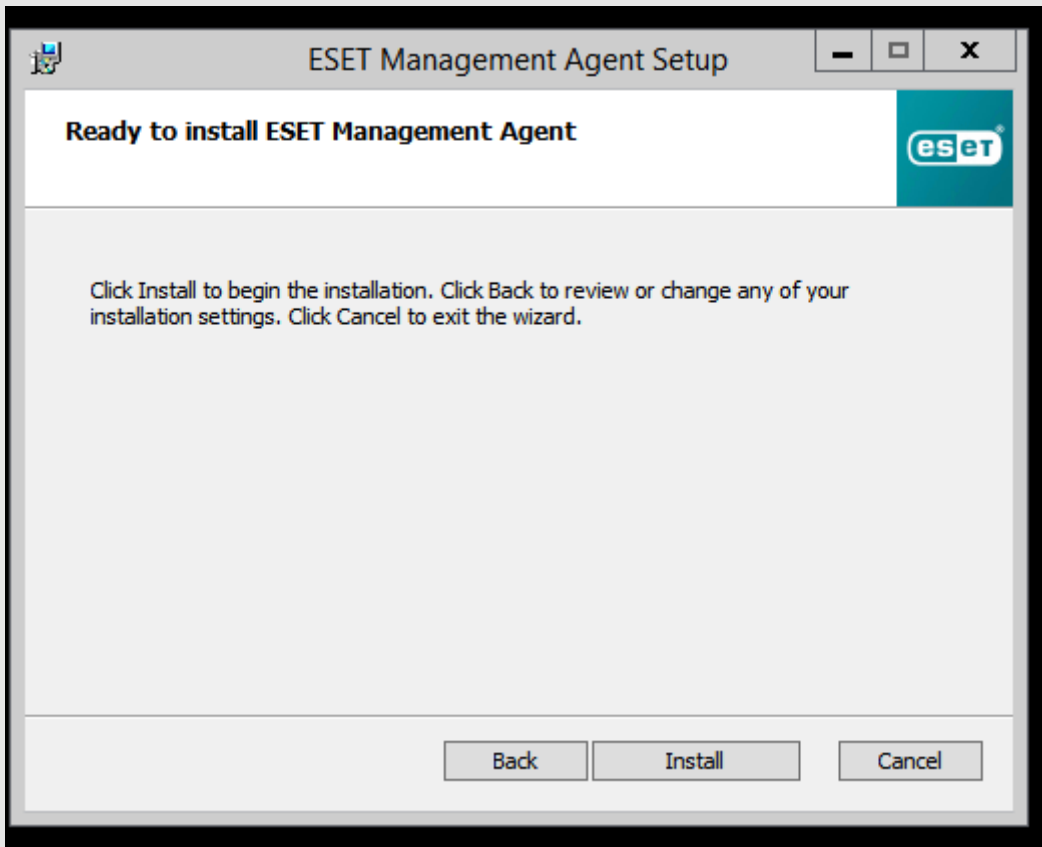
- Prebacite datoteku s novim certifikatom na računalo sa starim operacijskim sustavom.
- Preuzmite Agentu <https://www.eset.com/int/business/download/ezet-protect/#standalone> (odaberite Komponente = "Agent" i odgovarajući OS)
- Pokrenite instalaciju Agentu





- U polje "Peer certificate" upišite putanju do konvertirane PFX datoteke
- U polje "Certification authority" upišite putanju do DER datoteke iz koraka 1.B
- Upotrijebite lozinku koju ste upisali prilikom izvoza u prethodnim koracima





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certifikat certificate pfx xcertifikat xcertificate xpx w10 win10 windows 10 w2016 win2016 windows2016  
w2012 win2012 windows2012 agent xagent rocky xrocky onprem xonprem v11+ epX xepX epXrocky xepXrocky