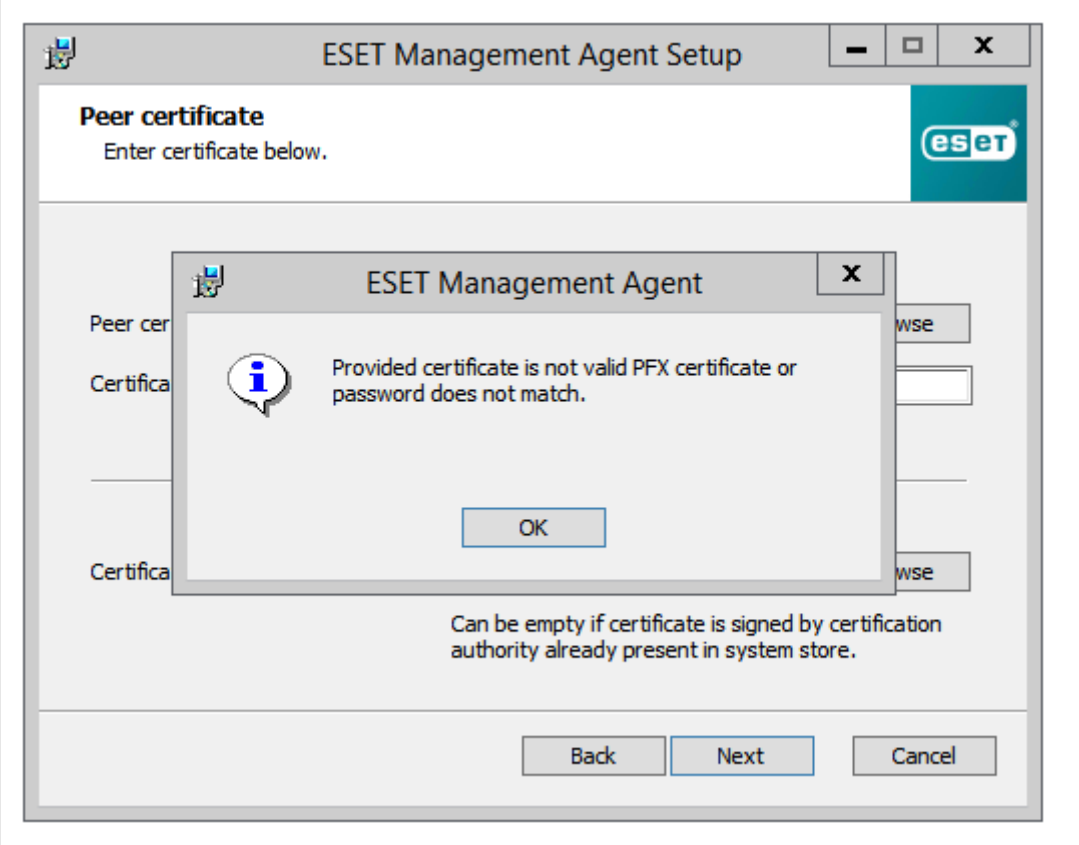
Povezivanje starih operacijskih sustava Windows sa serverom ESET Protect on-prem v.11+ “Rocky”

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*“



Rješenje

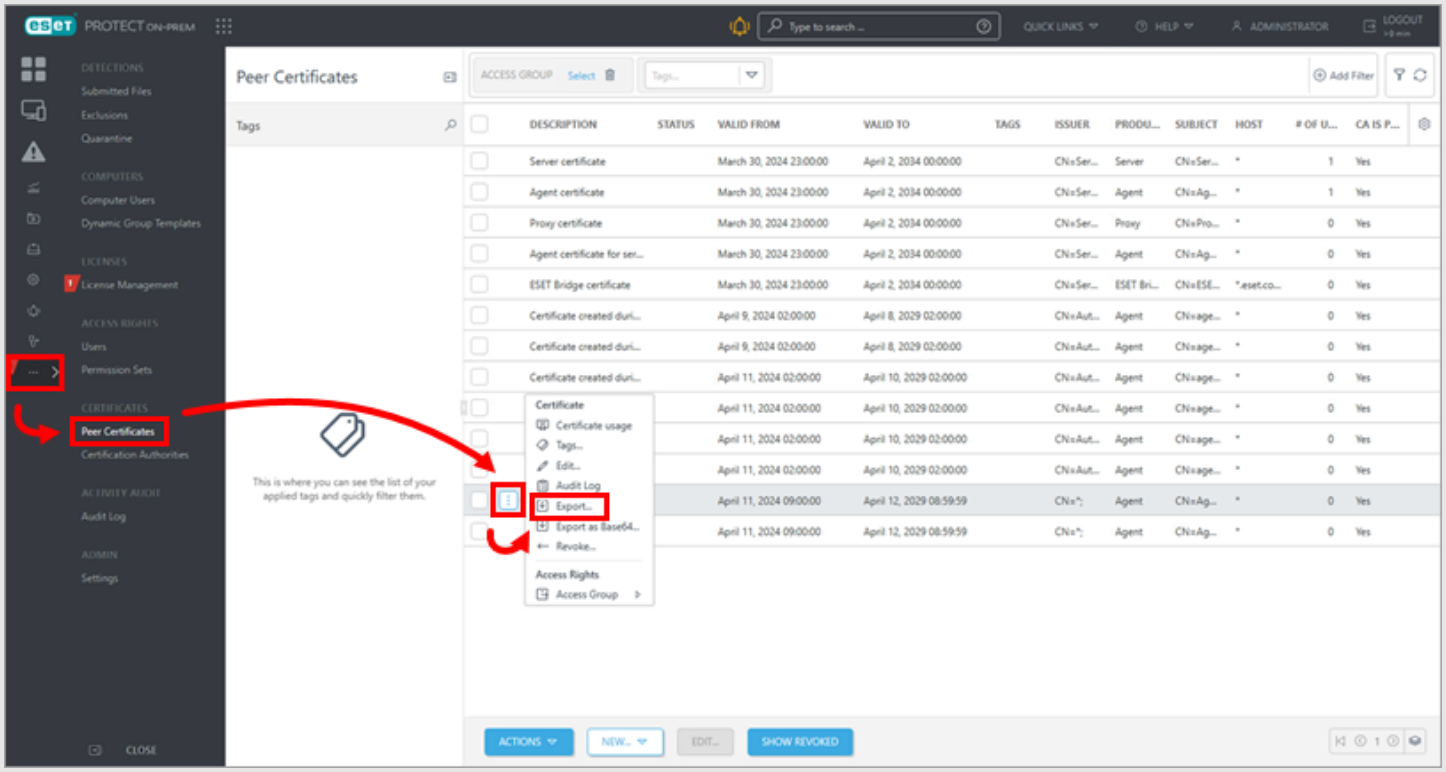
Certifikat kreiran u EPX-u je potrebno prebaciti u oblik koji se može koristiti i na starim Windowsima.

Postupak

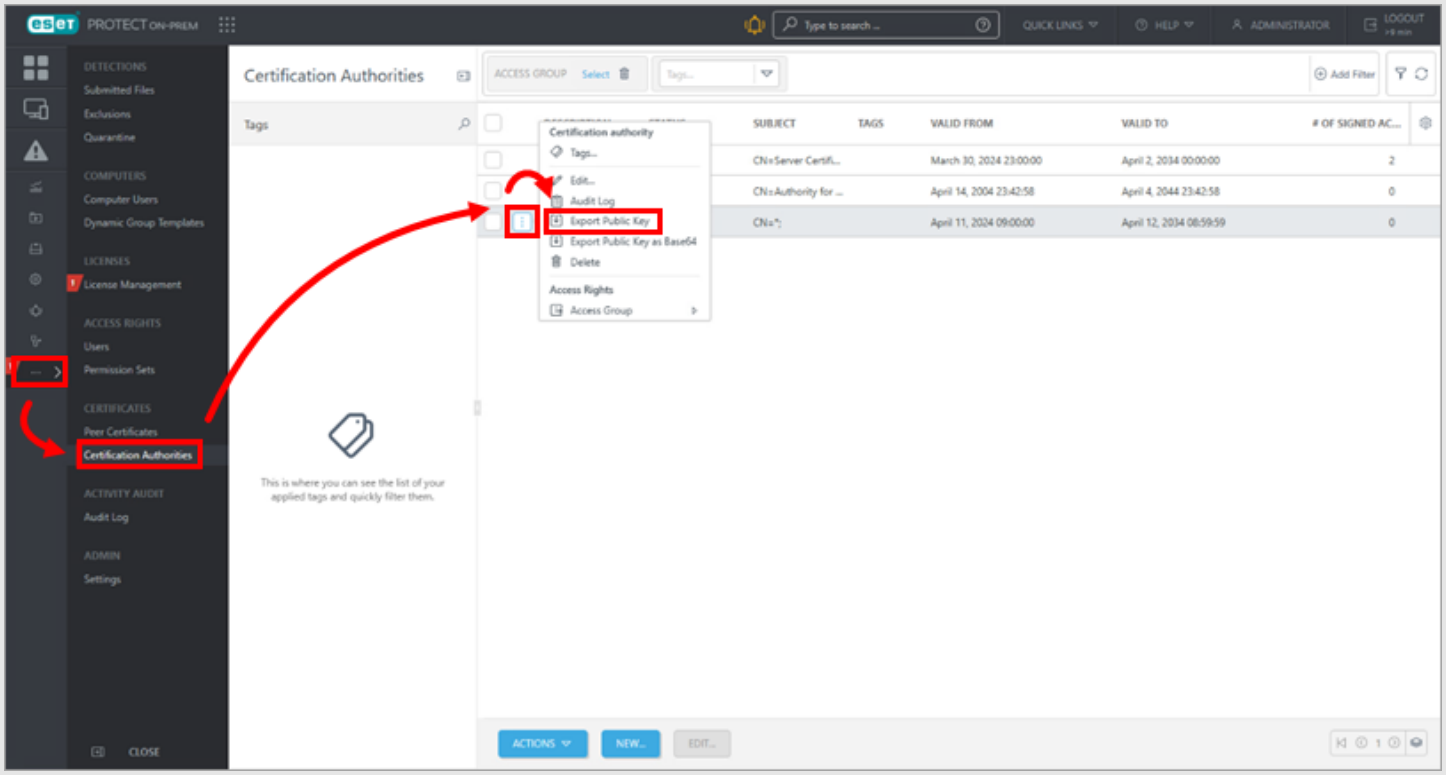
[1] Izvoz dva certifikata iz EPX “Rocky” u PFX i DER obliku

• Izvezite (“Export”) certifikat iz ESET Protect konzole kao .PFX datoteku

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



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

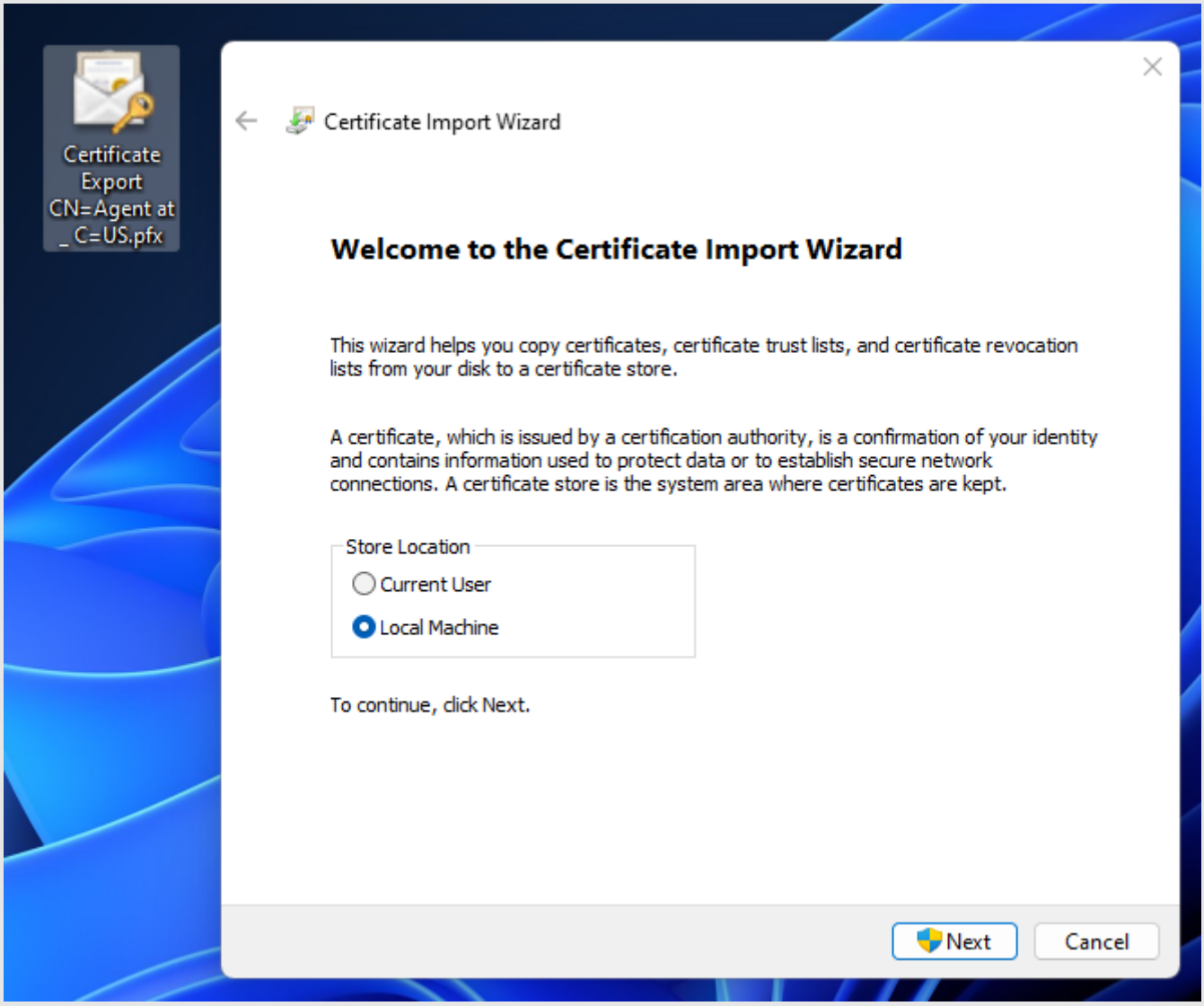


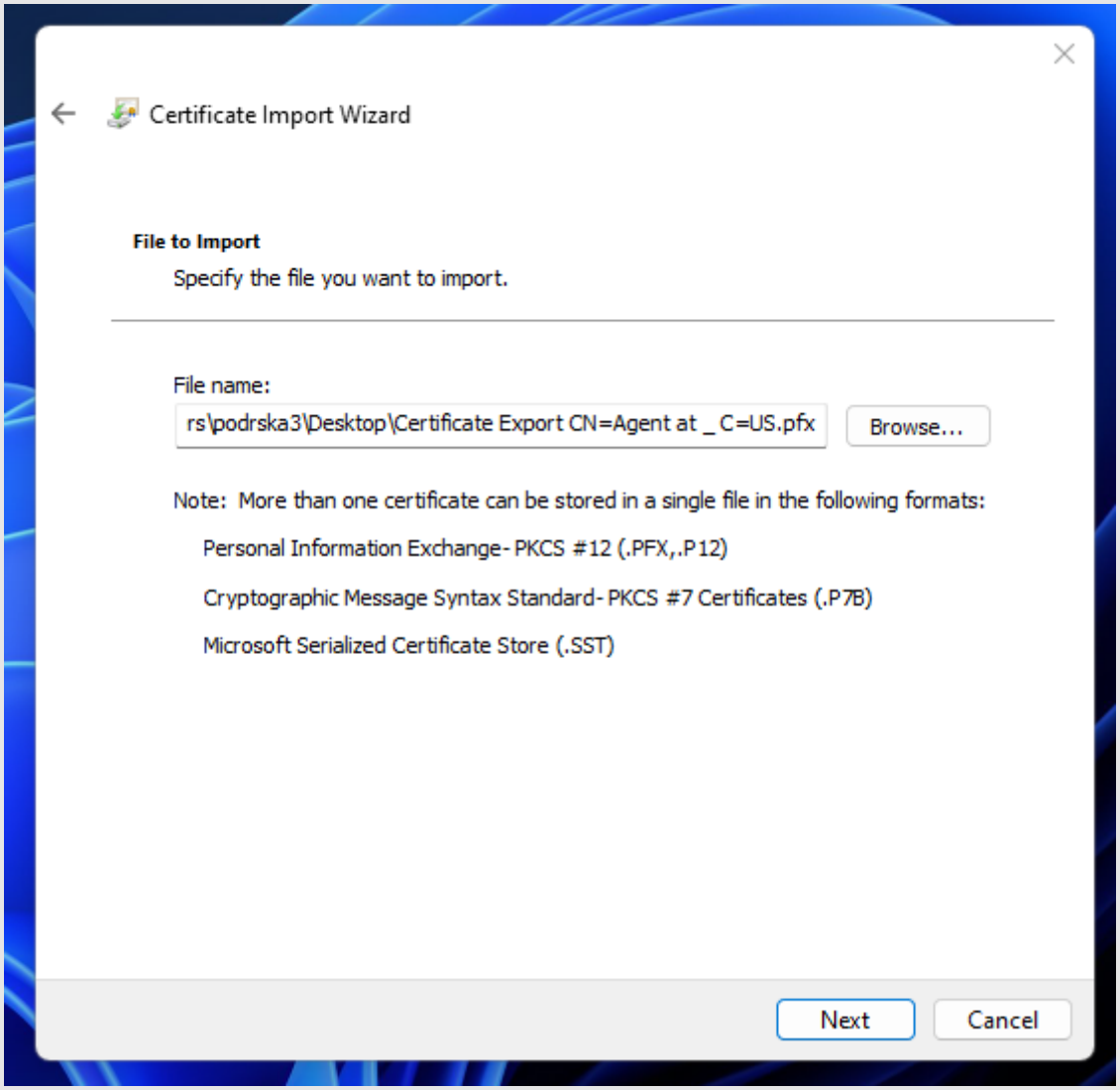
[2] Uvoz certifikata u Windows 11, 2019 ili noviji

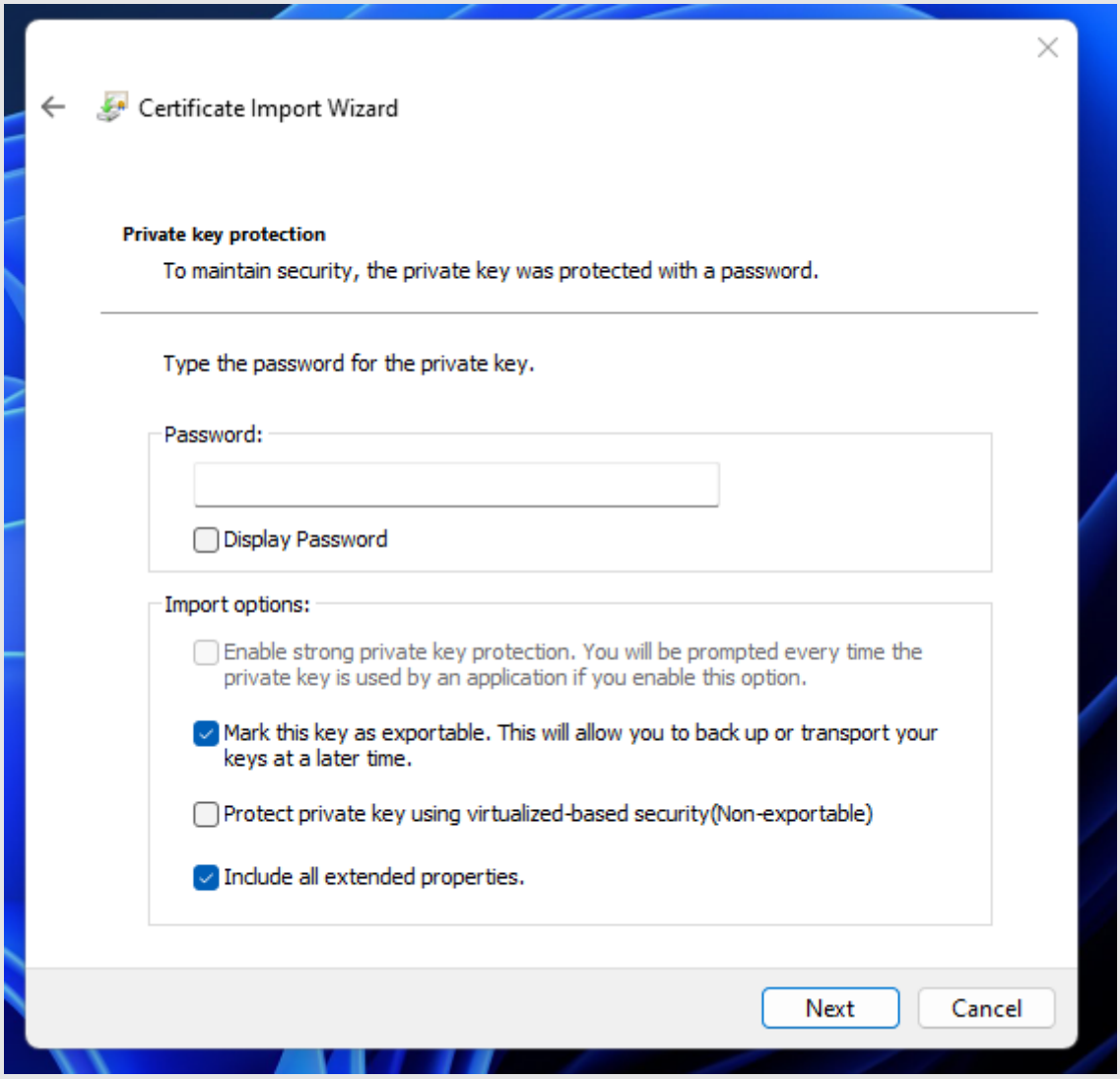
• Kopirajte .pfx datoteku na računalo s operacijskim sustavom Windows 11, Windows 2019 ili novijim

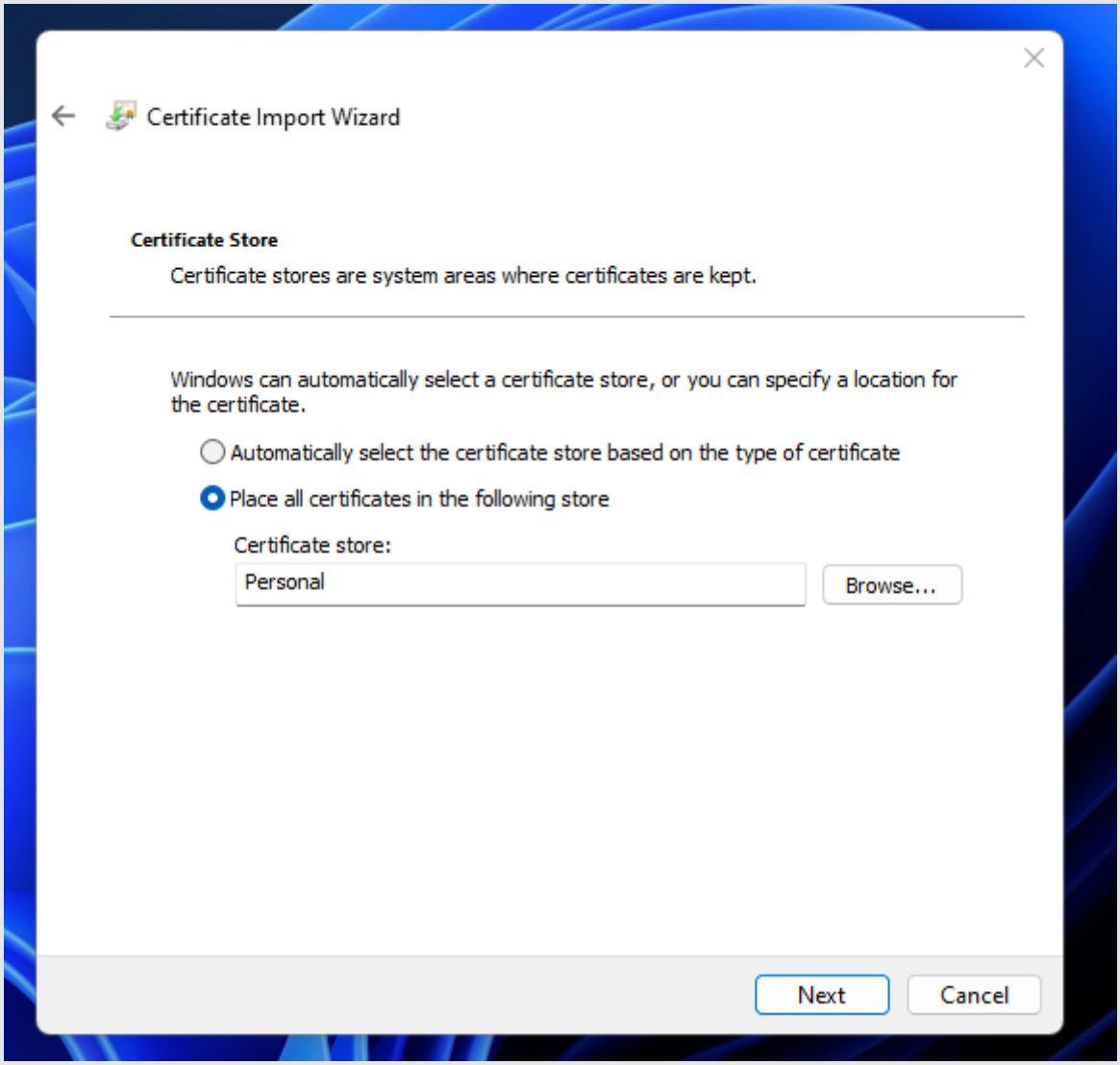
• Na tom računalu dva puta kliknite na .pfx

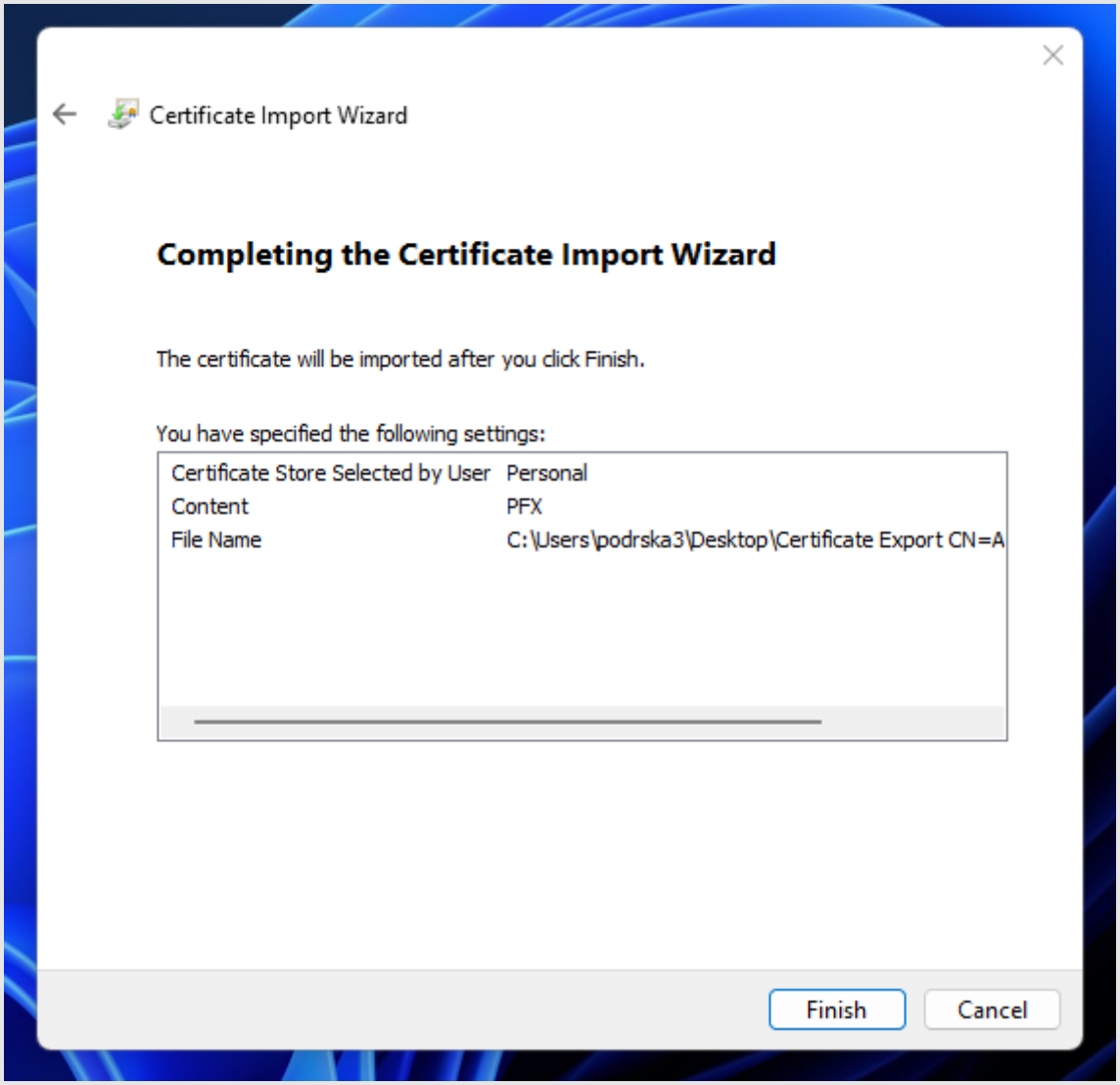
• Pokrenut će se postupak uvoza (“Import”) certifikata:

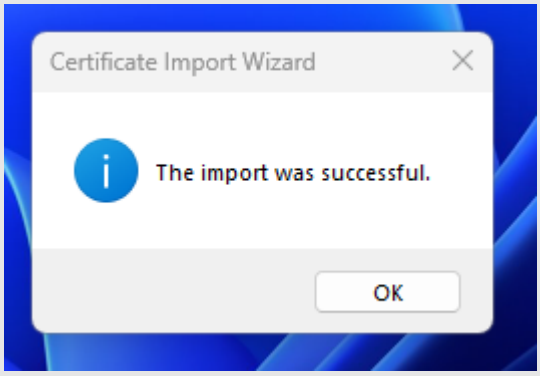



Certificate Import Wizard
File to Import
Specify the file you want to import.
File name:
rs\podrska3\Desktop\Certificate Export CN=Agent at _ C=US.pfx
Browse...
Note: More than one certificate can be stored in a single file in the following formats:
Personal Information Exchange- PKCS #12 (.PFX,.P12)
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.
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:
Personal
Browse...
Next
Cancel





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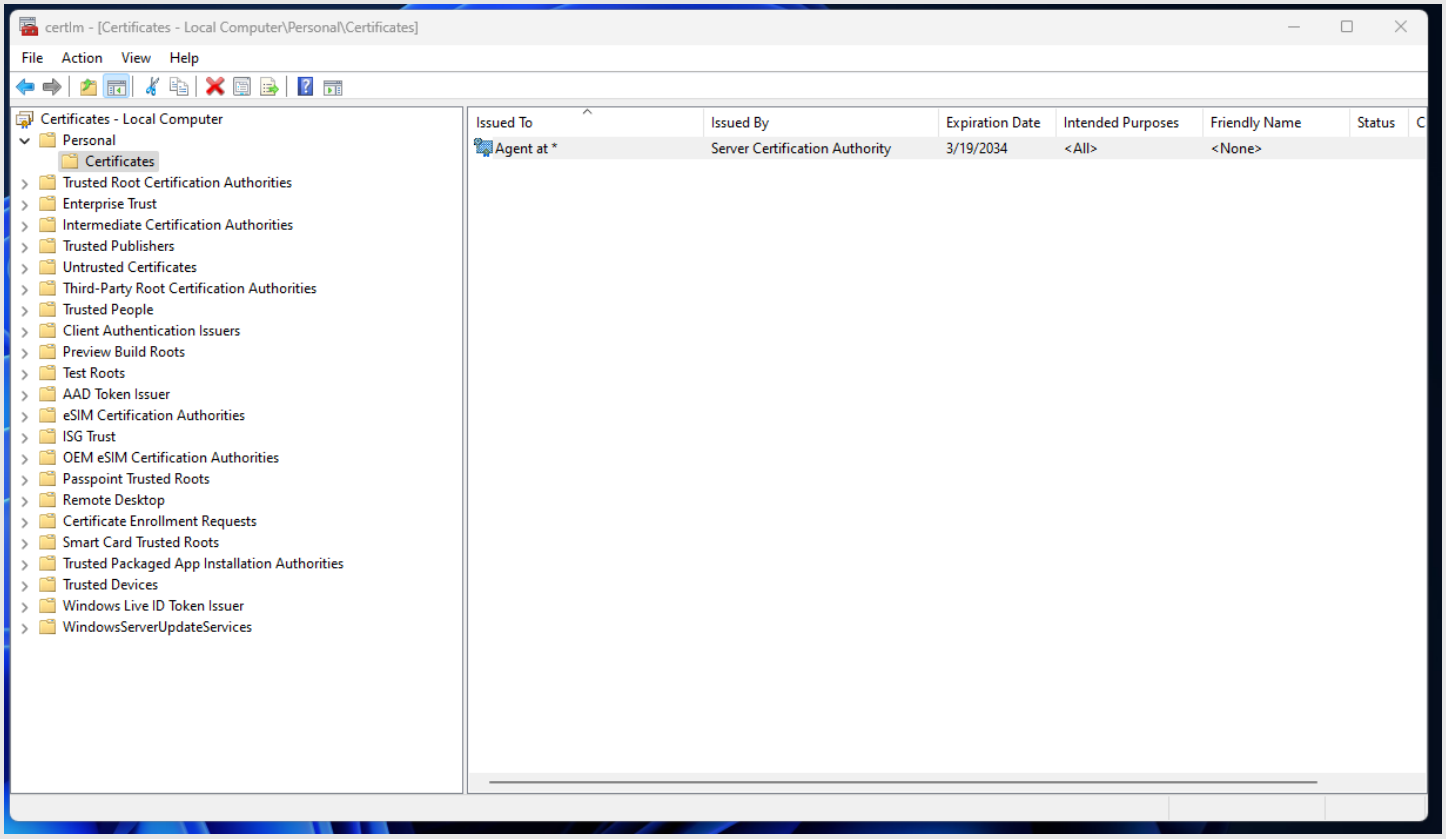
[3] Konverzija certifikata

• Pokrenite “certlm.msc”

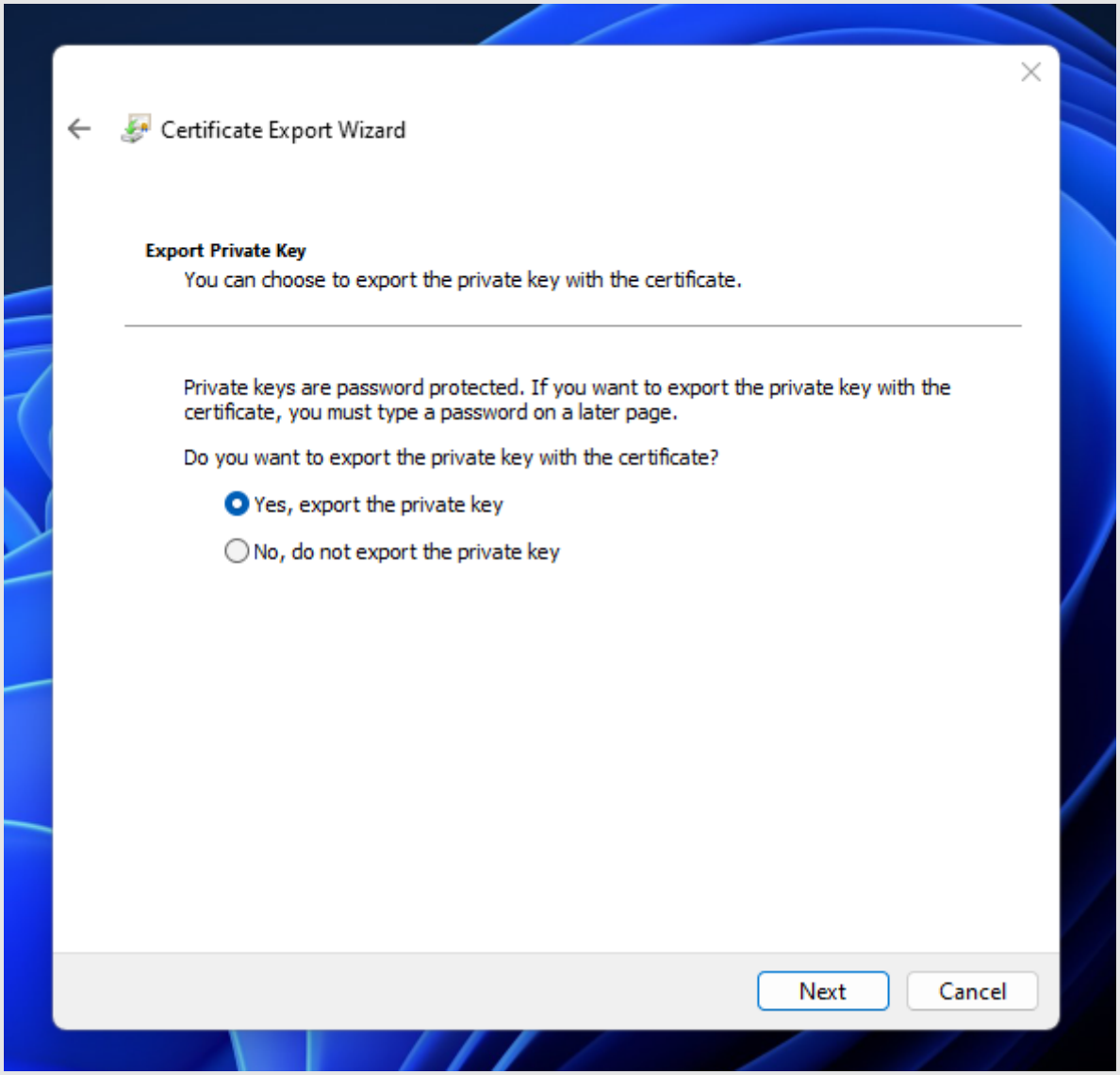
• Pronađite uvezeni certifikat

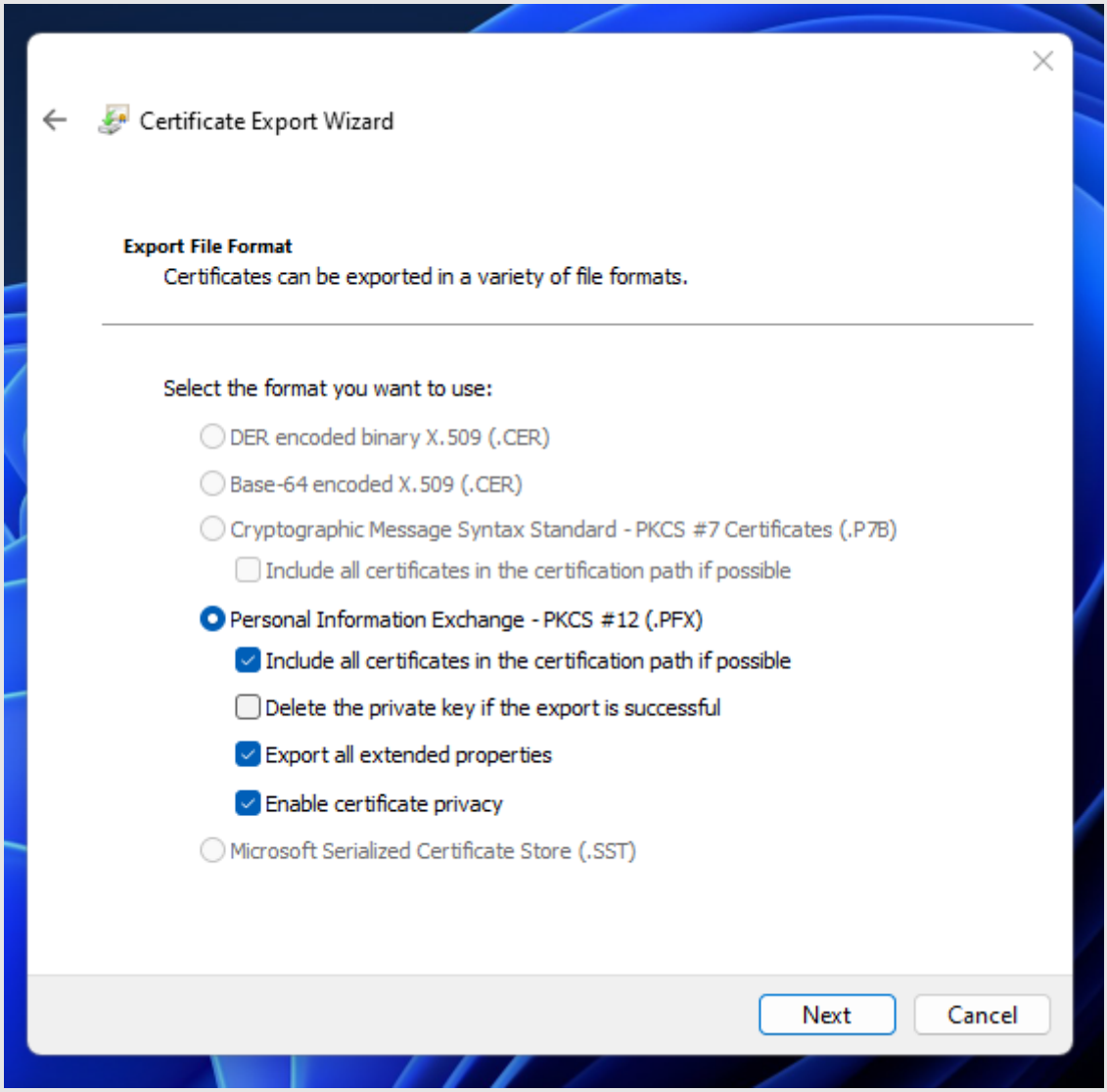
• Kliknite na njega desnom tipkom miša

• Odaberite “All tasks” >> “Export” (“Izvoz”)


certlm - [Certificates - Local Computer\Personal\Certificates]
File Action View Help
Certificates - Local Computer
Personal
Certificates
Trusted Root Certification Authorities
Enterprise Trust
Intermediate Certification Authorities
Trusted Publishers
Untrusted Certificates
Third-Party Root Certification Authorities
Trusted People
Client Authentication Issuers
Preview Build Roots
Test Roots
AAD Token Issuer
eSIM Certification Authorities
ISG Trust
OEM eSIM Certification Authorities
Passpoint Trusted Roots
Remote Desktop
Certificate Enrollment Requests
Smart Card Trusted Roots
Trusted Packaged App Installation Authorities
Trusted Devices
Windows Live ID Token Issuer
WindowsServerUpdateServices
Issued To
Issued By
Expiration Date
Intended Purposes
Friendly Name
Status
Agent at *
Server Certification Authority
3/19/2034
<All>
<None>

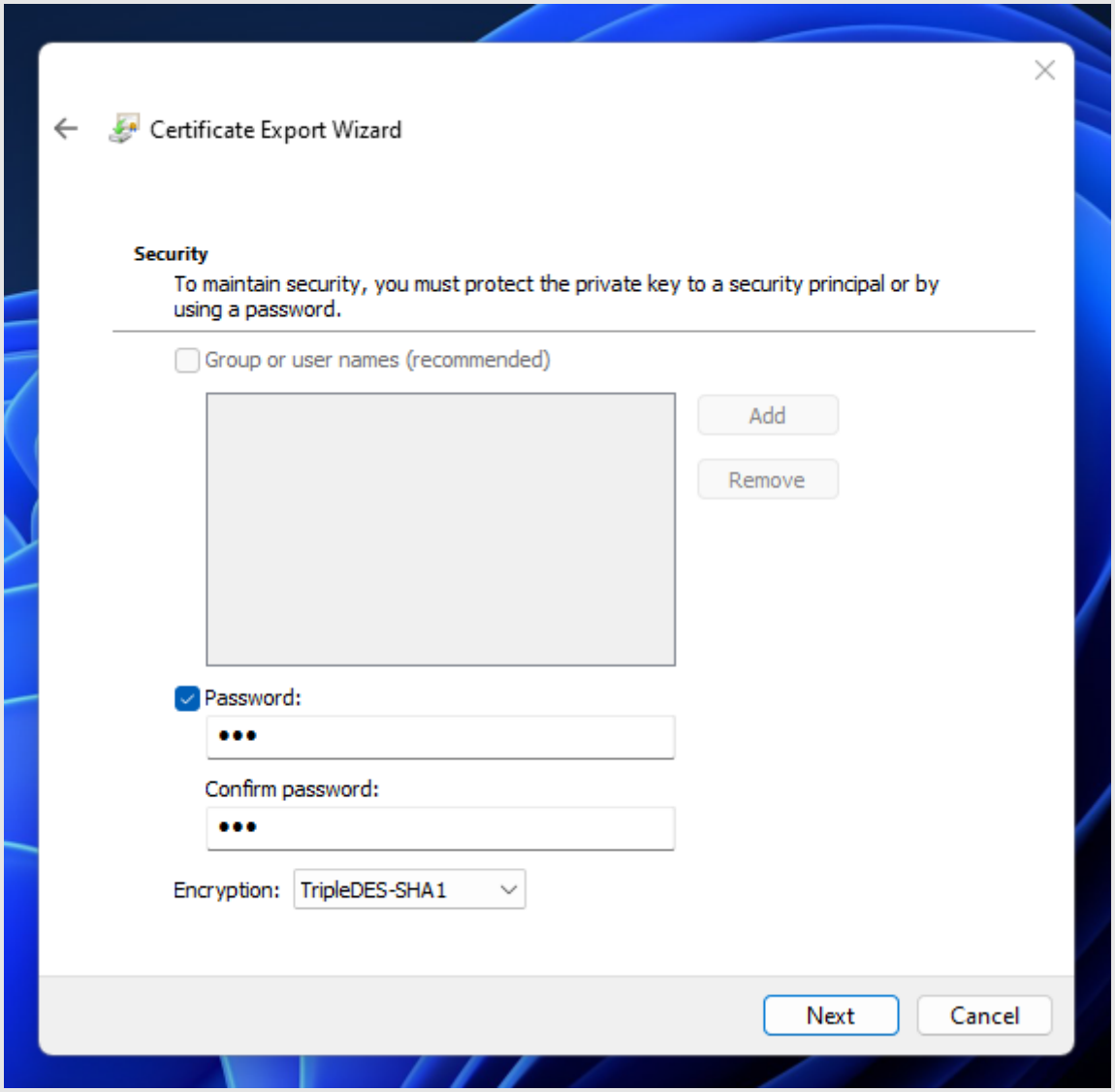

Certificate Export Wizard
Welcome to the Certificate Export Wizard
This wizard helps you copy certificates, certificate trust lists and certificate revocation lists from a certificate store to your disk.
A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept.
To continue, click Next.
Next
Cancel

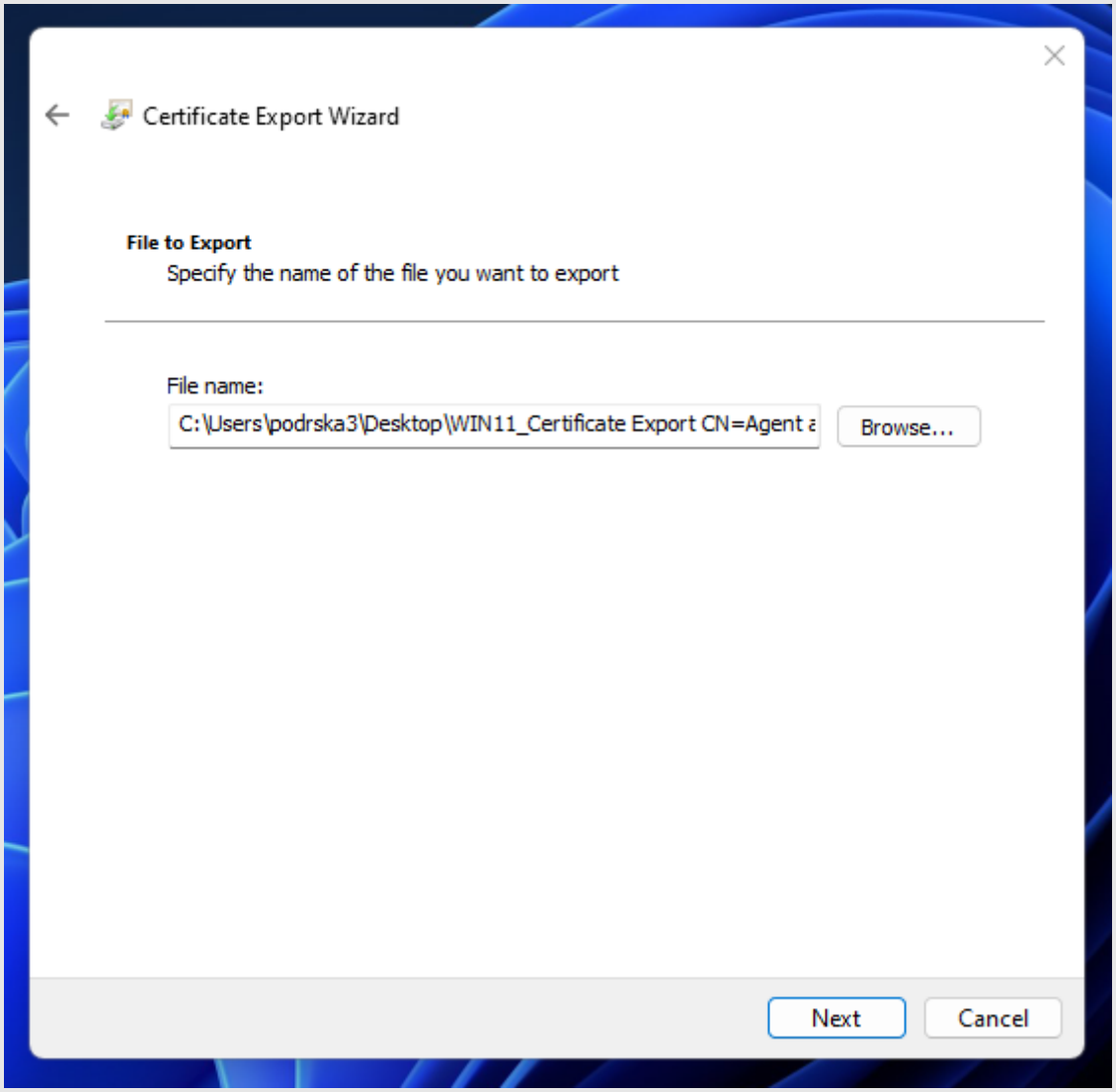

Certificate Export Wizard
Export Private Key
You can choose to export the private key with the certificate.
Private keys are password protected. If you want to export the private key with the certificate, you must type a password on a later page.
Do you want to export the private key with the certificate?
Yes, export the private key
No, do not export the private key
Next
Cancel

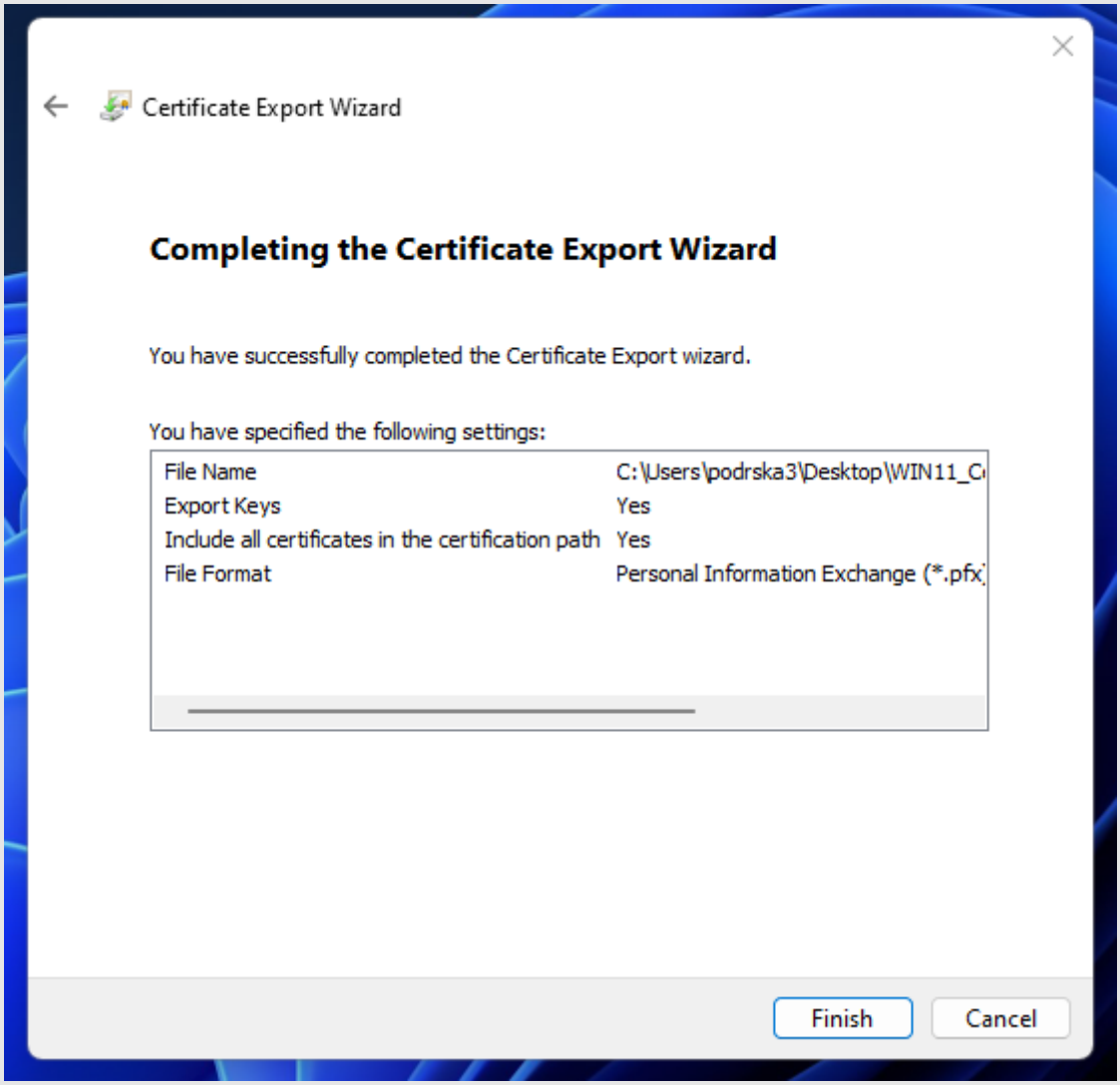


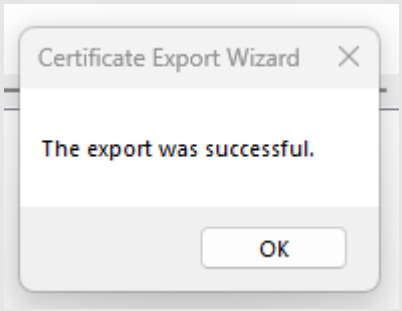
Važno!

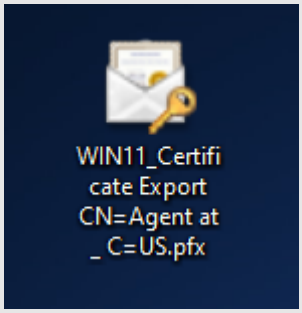
Morate dodijeliti lozinku privatnom ključu u sljedećem koraku:


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
File name:
C:\Users\podrska3\Desktop\WIN11_Certificate Export CN=Agent a
Browse...
Next
Cancel


Certificate Export Wizard
Completing the Certificate Export Wizard
You have successfully completed the Certificate Export wizard.
You have specified the following settings:
File Name
C:\Users\podrska3\Desktop\WIN11_C
Export Keys
Yes
Include all certificates in the certification path
Yes
File Format
Personal Information Exchange (*.pfx
Finish
Cancel


Certificate Export Wizard
The export was successful.
OK


WIN11_Certifi
cate Export
CN=Agent at
_ C=US.pfx

[4] Instaliranje Agenta

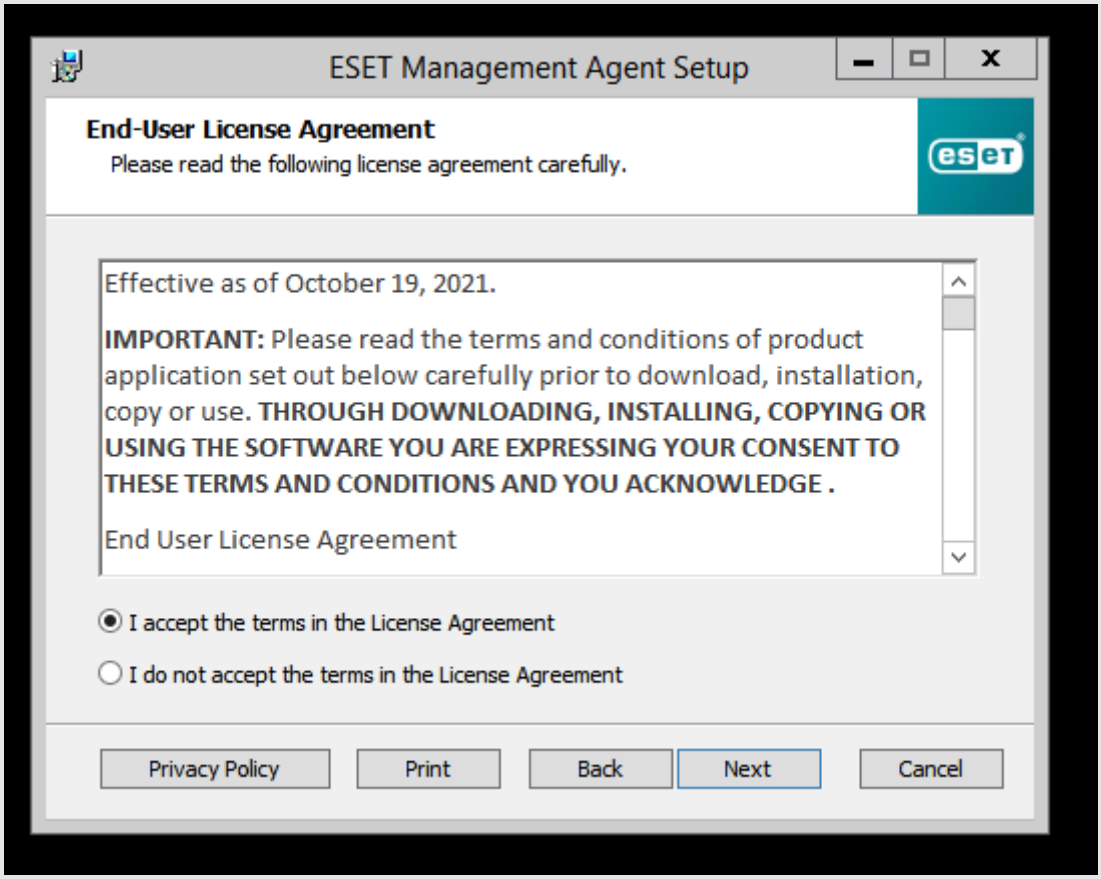
..upotrebom novog oblika certifikata.

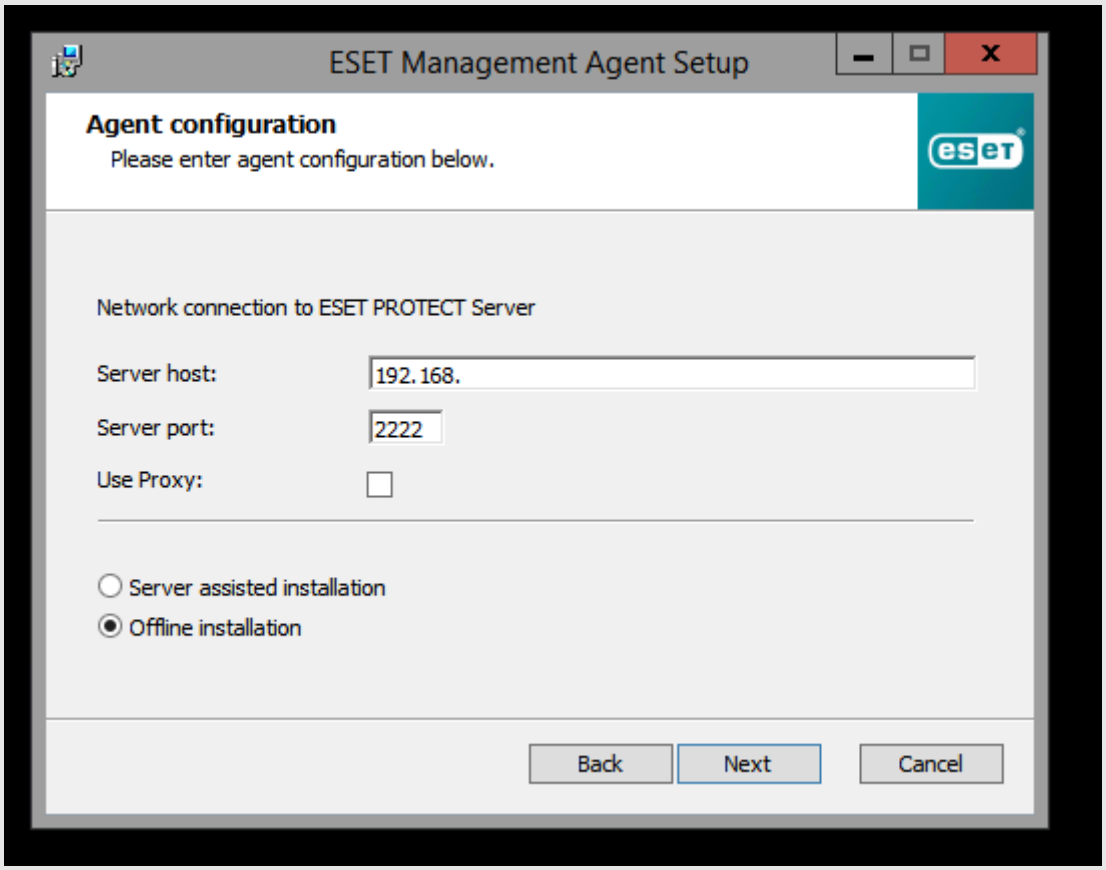
• Prebacite datoteku s novim certifikatom na računalo sa starim operacijskim sustavom.

• Preuzmite Agenta https://www.eset.com/int/business/download/eset-protect/#standalone (odaberite Componente = “Agent” i odgovarajući OS)

• Pokrenite instalaciju Agenta



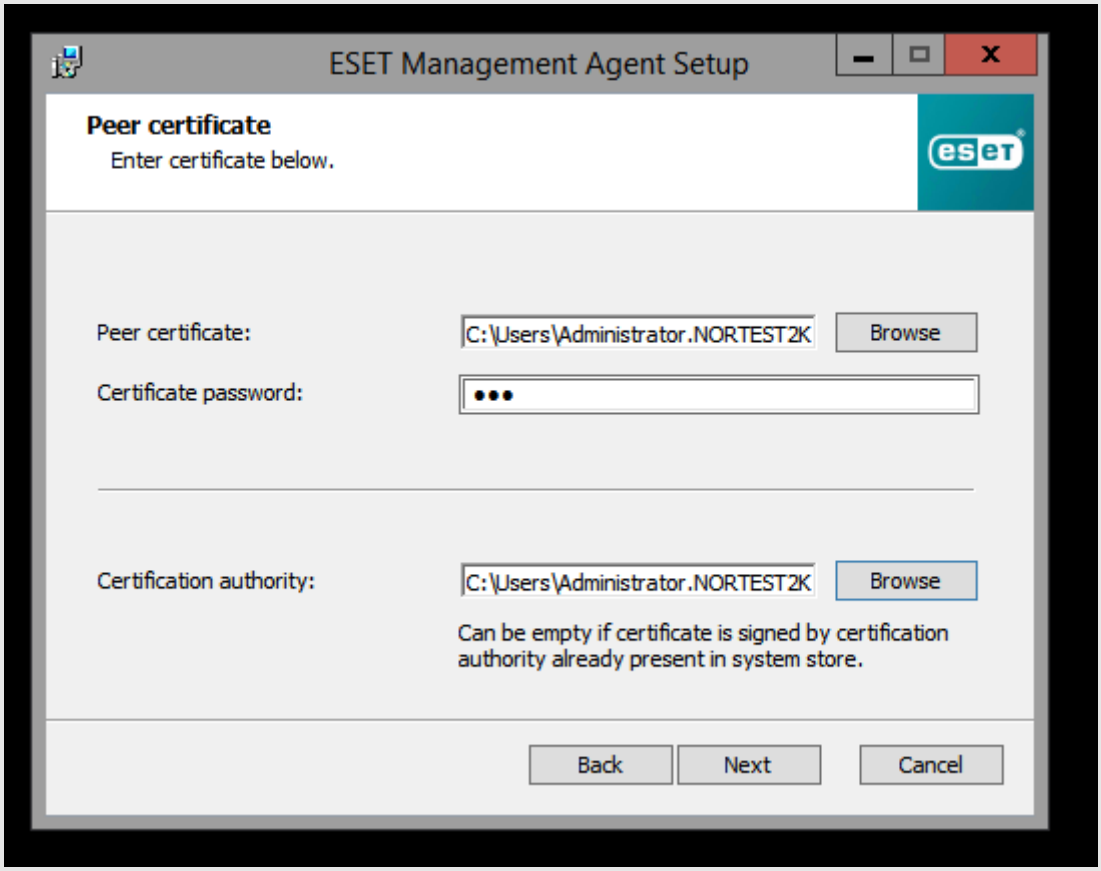


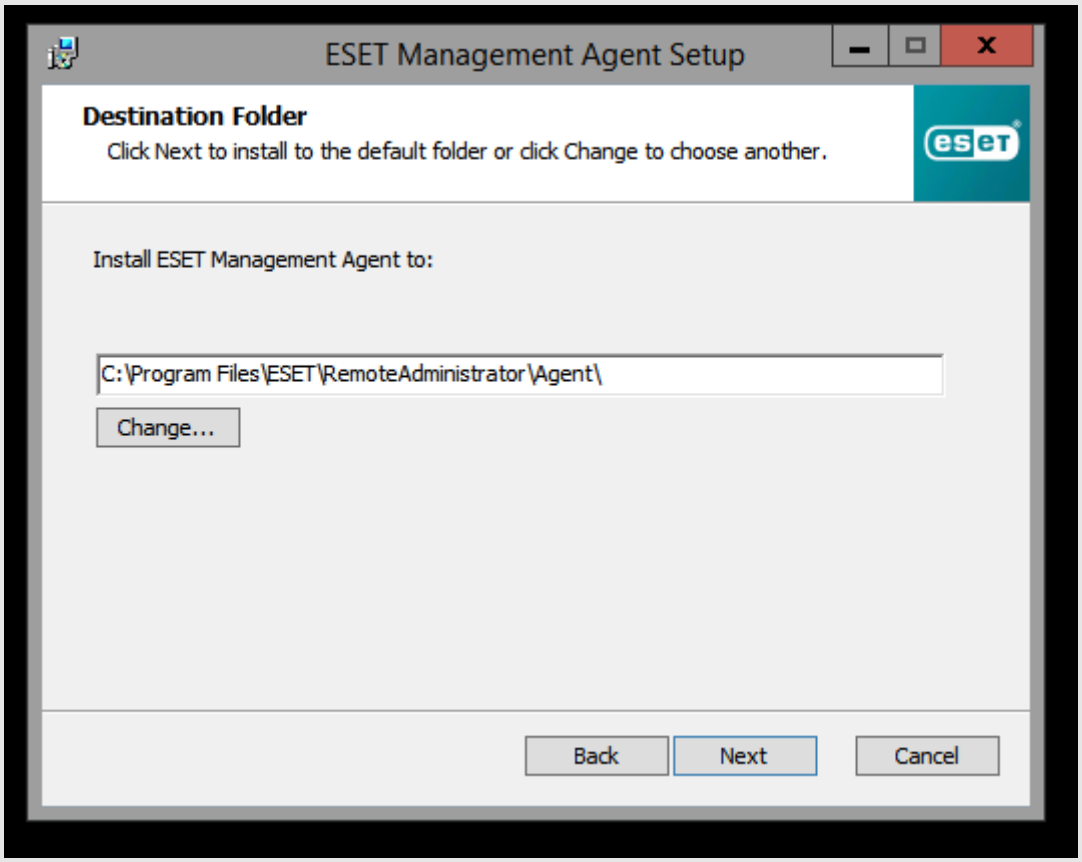


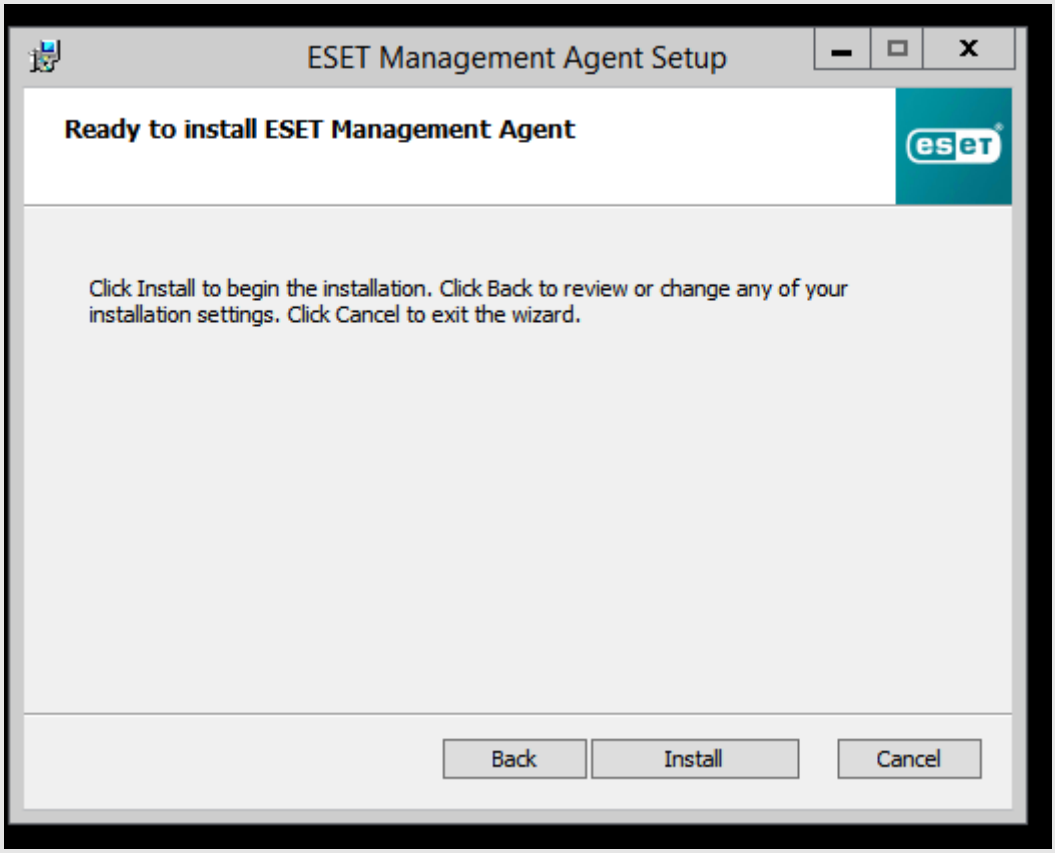
• U polje “Peer certificate” upišite putanju do konvertirane PFX datoteke

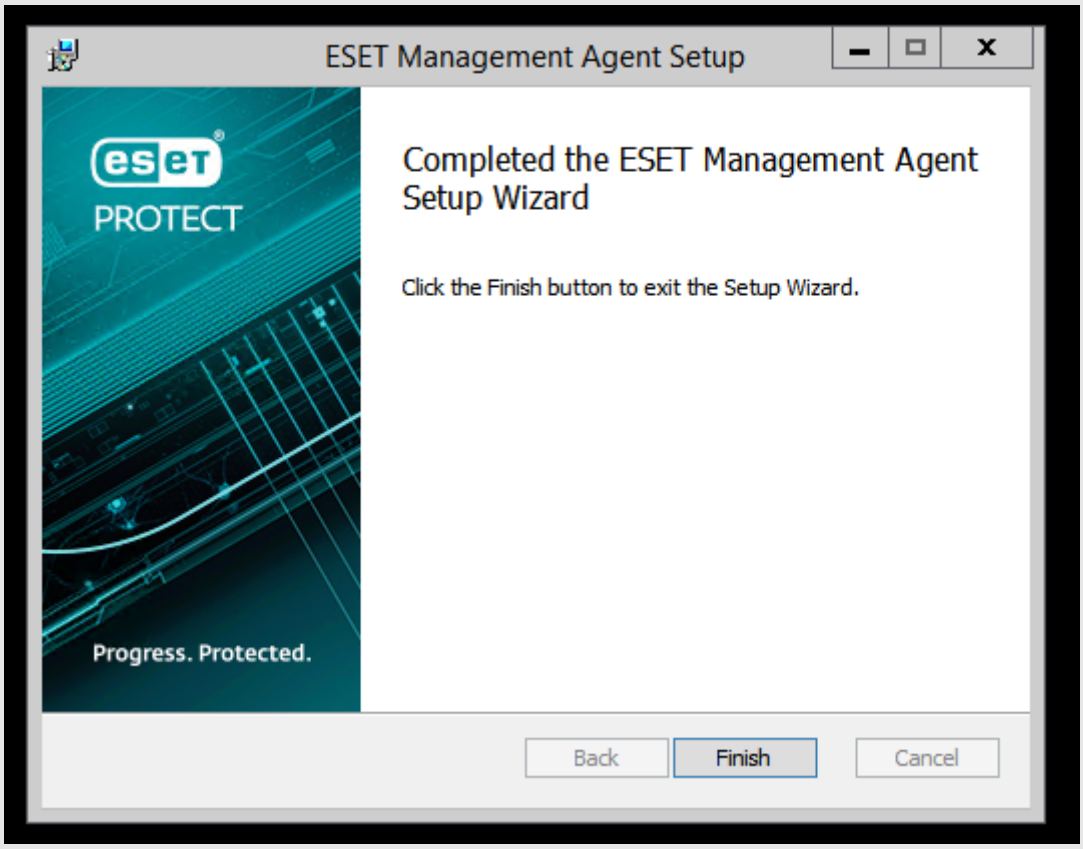
• U polje “Certification authority” upišite putanju do DER datoteke iz koraka 1.B

• Upotrijebite lozinku koju ste upisali prilikom izvoza u prethodnim koracima


ESET Management Agent Setup
Peer certificate
Enter certificate below.
Peer certificate:
C:\Users\Administrator.NORTEST2K
Browse
Certificate password:
Certification authority:
C:\Users\Administrator.NORTEST2K
Browse
Can be empty if certificate is signed by certification authority already present in system store.
Back
Next
Cancel


ESET Management Agent Setup
Destination Folder
Click Next to install to the default folder or click Change to choose another.
Install ESET Management Agent to:
C:\Program Files\ESET\RemoteAdministrator\Agent\
Change...
Back
Next
Cancel





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certifikat certificate pfx xcertifikat xcertificate xpfx w10 win10 windows 10 w2016 win2016 windows2016 w2012 win2012 windows2012 agent xagent rocky xrocky onprem xonprem v11+ epx xepx epxrocky xepxrocky