

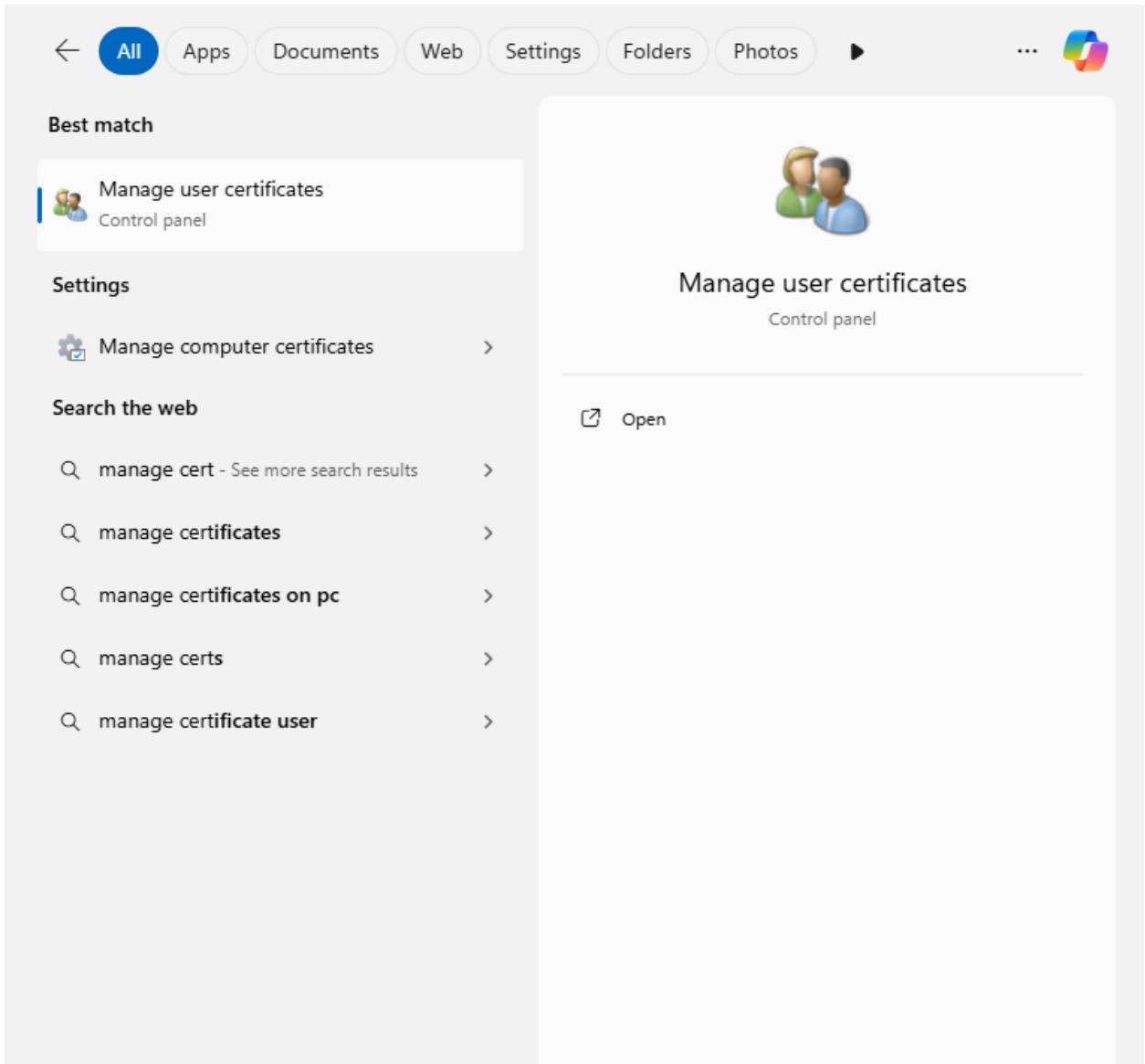
How to clone project on gitlab server

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1. Check cert and export cert

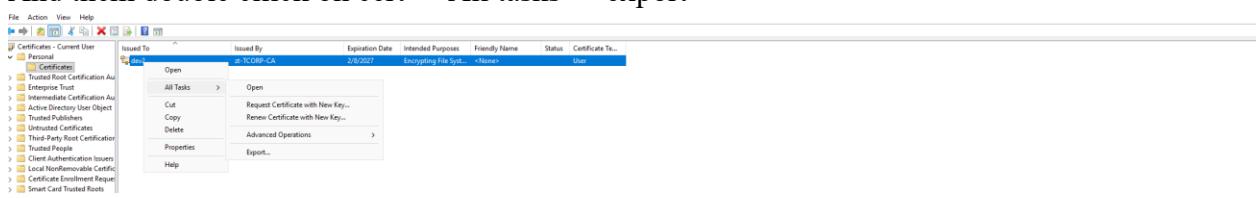
On client computer



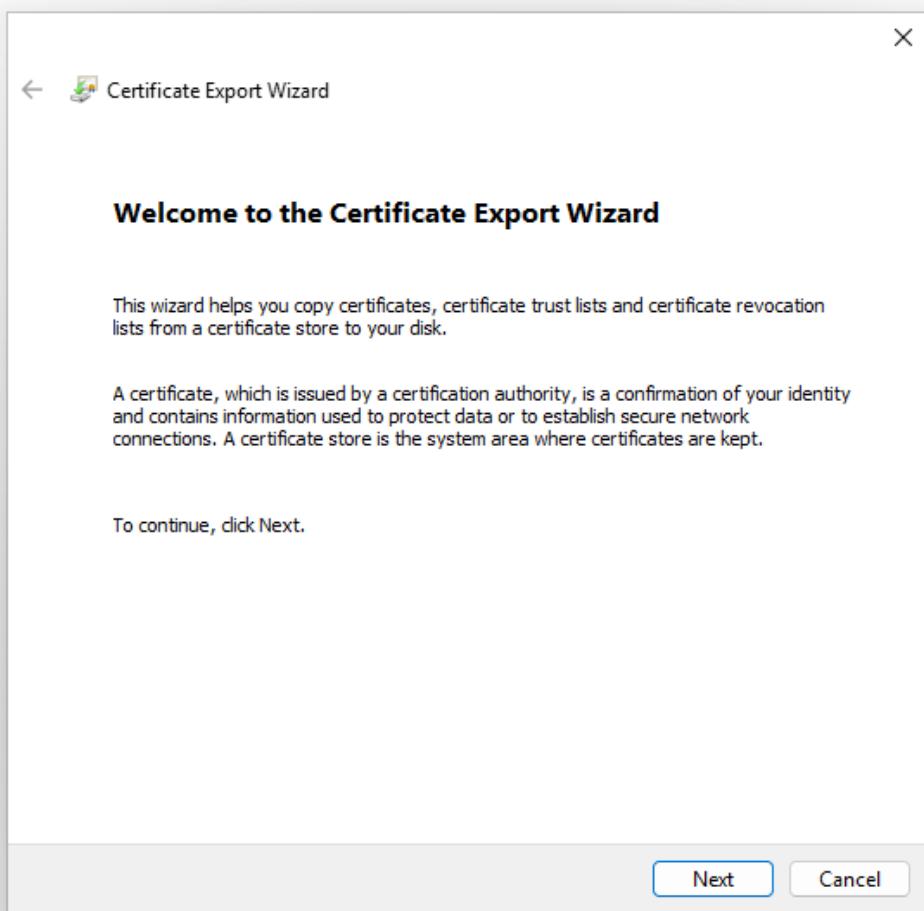
check cert user that AD verify



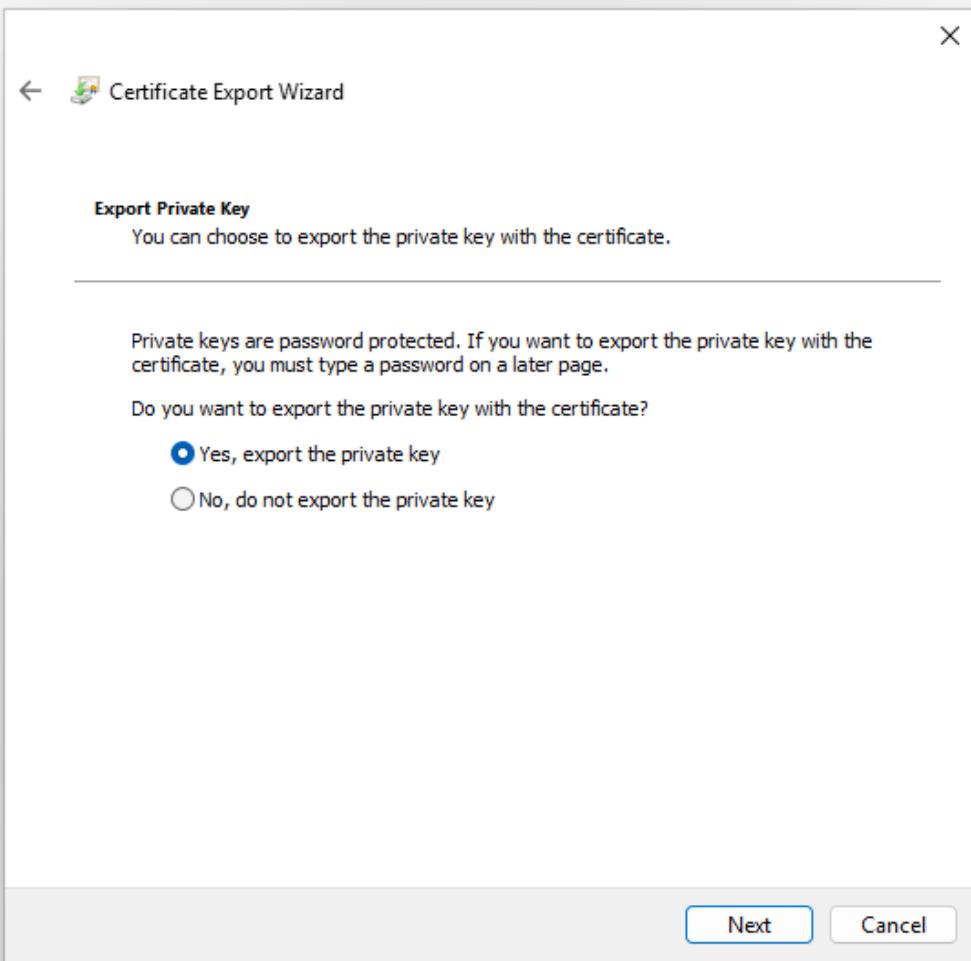
And them double click on cert -> All tasks -> export



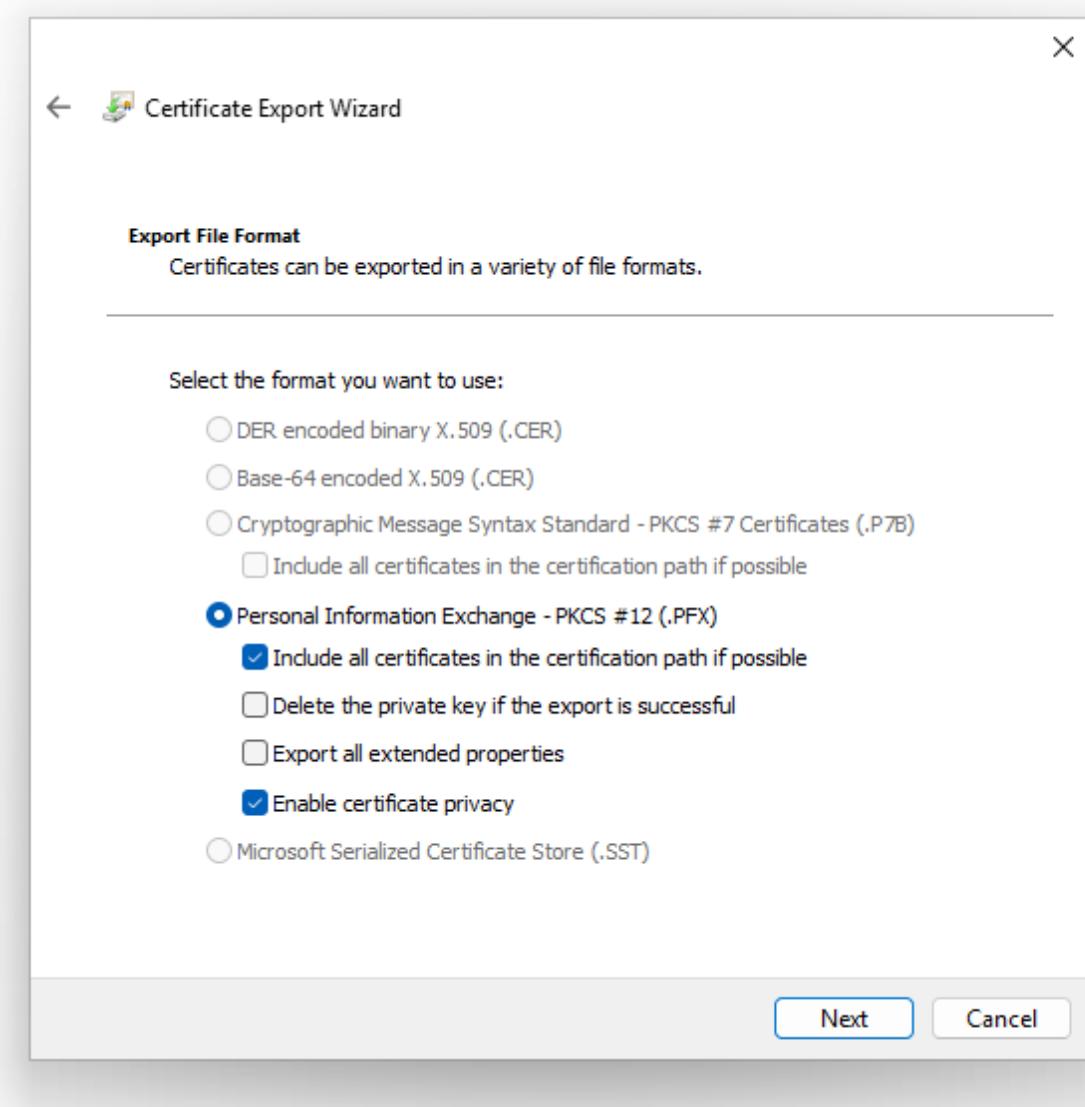
Next



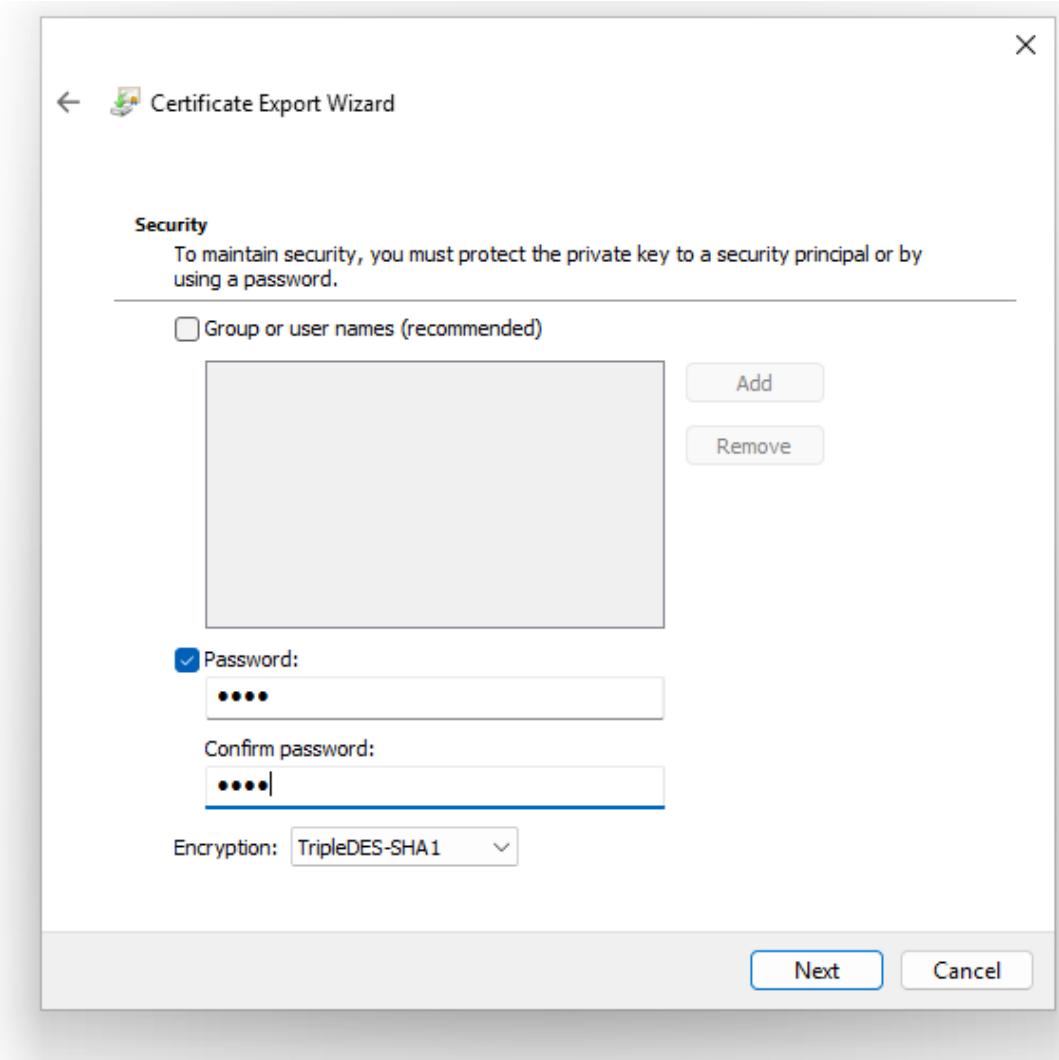
Click Yes, export the private key



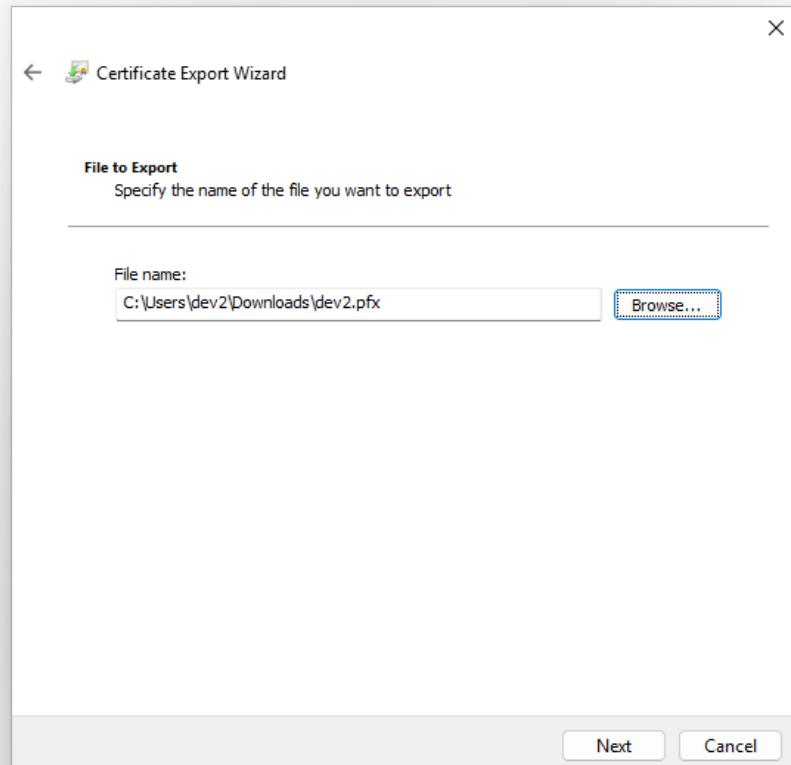
Export format choose



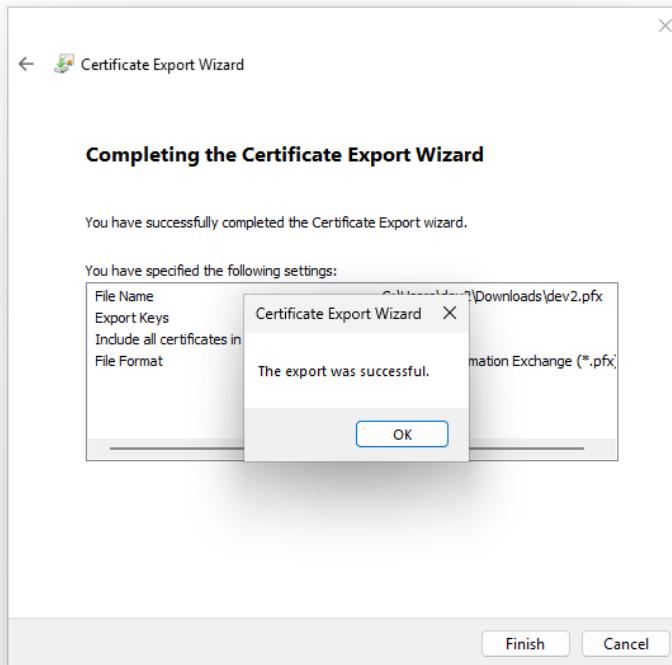
Setup password for file



Choose path to store file



Finish to export



2. Convert cert to .pem

Open Git bash on Window client and go to the path to dowload cert
And then run the commandline:

```
openssl pkcs12 -in dev2.pfx -out dev2-encrypted.pem
```

3. Config gitlab to clone

Open Window powershell

```
# Delete config domain-specific
git config --global --unset-all http."https://gitlab.zt.devsecops.local/".sslVerify
git config --global --unset-all http."https://gitlab.zt.devsecops.local/".sslCert
git config --global --unset-all http."https://gitlab.zt.devsecops.local/".sslKey
git config --global --unset-all
http."https://gitlab.zt.devsecops.local/".sslCertPasswordProtected
git config --global --unset-all http."https://gitlab.zt.devsecops.local/".sslBackend
```

```

# Delete config global
git config --global --unset-all http.sslCert
git config --global --unset-all http.sslKey
git config --global --unset-all http.sslCertPasswordProtected
git config --global --unset-all http.sslBackend
git config --global --unset-all http.sslVerify

# Switch to OpenSSL backend
git config --global http.sslBackend openssl

# Config cho GitLab domain
git config --global http."https://gitlab.zt.devsecops.local/".sslVerify false
git config --global http."https://gitlab.zt.devsecops.local/".sslCert
"C:/Users/dev2/Downloads/dev2-encrypted.pem"
git config --global http."https://gitlab.zt.devsecops.local/".sslKey
"C:/Users/dev2/Downloads/dev2-encrypted.pem"

```

4. Verify working

```

PS C:\Users\dev2> git config --global --list | findstr gitlab
http.https://gitlab.zt.devsecops.local/.sslverify=false
http.https://gitlab.zt.devsecops.local/.sslcert=C:/Users/dev2/Downloads/dev2-encrypted.pem
http.https://gitlab.zt.devsecops.local/.sslkey=C:/Users/dev2/Downloads/dev2-encrypted.pem
http.https://gitlab.zt.devsecops.local/.sslcertpasswordprotected=true
PS C:\Users\dev2> |
PS C:\Users\dev2> git clone https://gitlab.zt.devsecops.local/dev2/test.git
Cloning into 'test'...
fatal: Invalid 'host' input argument (cannot be empty)
Password for 'cert:///C%3A/Users/dev2/Downloads/dev2-encrypted.pem':
fatal: Invalid 'host' input argument (cannot be empty)
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 6 (delta 0), reused 0 (delta 0), pack-reused 3 (from 1)
Receiving objects: 100% (6/6), done.

```