



# Certificate Enrollment

## Certificate **Enrollment Proxy**

- Integrate Non-Microsoft CA with **Active Directory**
- Manual or autoenrollment
- Kev archival (KRA)
- Flexible migration to other CA
- No client software installation required



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### Autoenrollment with a non-Microsoft CA

## Automated, reliable, manageable

#### Windows Certificates

Windows Client and Servmany Windows applications support X.509 certificates. A Windows enterprise CA issues certificates to domain members either by manual requests or by autoenrollment.

#### Non-Microsoft CA

There are environments, where certificates have to be issued to Windows Domains by a non-Windows CA. Either by using an Open Source or vendor CA product or by an external MPKI SaaS provider. By this also globally accepted certificates for S/ MIME may be enrolled from a public CA. Mecha-CA services with an existing Windows Domain.

#### **Certificate Enrollment Proxy**

Enrollment Proxy (certEP) between the Windows Clients and the external issuing CA. The certEP acts CA towards Windows cli-

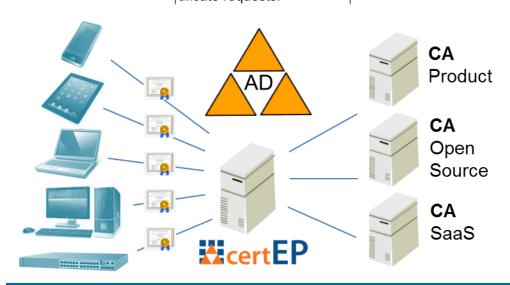
with the required attributes and forwards them to the issuing CA, After receiving the issued certificate from requesting Windows client. Additionally, the certEP supports key archival, e.g. S/MIME certficates. Private keys can be archived locally by encrypt- frontends. ing them by KRA certifinisms are needed to cates or remotely at the By this, also many MDM seamlessly integrate such CA. The certEP uses Microsoft certificate template information to process certificate requests.

#### Integrating the certEP

The Secardeo Certificate er operating systems and The Secardeo Certificate Enrollment Proxy provides HTTP, SOAP and CMP is a component that sits interfaces for transmitting requests to the issuing CA and it returns the issued certificate to the client. as a Windows enterprise SSL Client Authentication using HTTPS is supported for this. A series of CA It receives their certificate backends is already prorequests, enhances them vided in the product. Integration with further CAs is possible. You can also connect to multiple CAs with one certEP instance.

the CA, it is passed to the The certEP is installed as a Windows service and it is seamlessly integrated with Active Directory. It supports IIS, NDES and CEP/CES enrollment

> systems may be connected with a non-Microsoft CA.



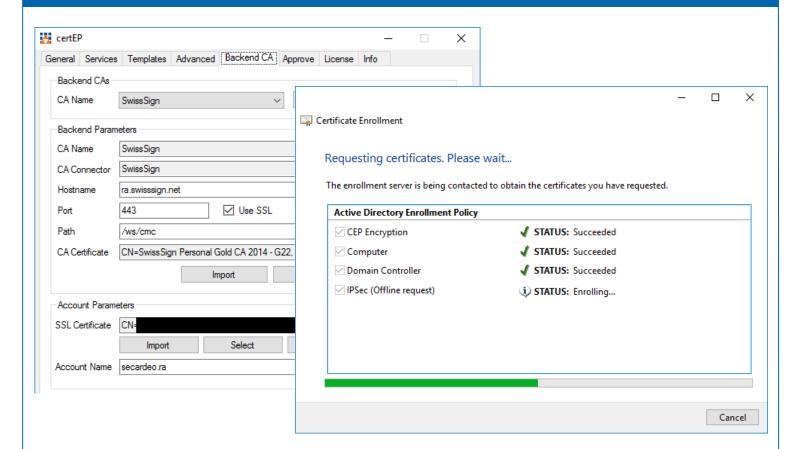


Secardeo certEP is a Certificate Enrollment Proxy for providing X.509 certificates from a non-Microsoft CA using Windows certificate enrollment. The certEP offers the following features:

- Manual and autoenrollment of certificates in Windows Domains via DCOM
- Autoenrollment for Network & Mobile Devices via NDES and SCEP
- Web enrollment via IIS and HTTP enrollment for non-domain clients using CEP/CES
- Local key archival using Key Recovery Agent certificates or remote key archival at the CA
- Certificate event audit and notifications
- Certificate request enhancements, approval, request blocking, publishing, revocation
- Hardware Security Module (HSM) Support

The certEP Enterprise Edition additionally provides

Multiple Backend CAs



#### **Operating System:**

Windows Server 2012-2016

#### **HD Requirements:**

Disk Space: 100 MB installation + 50 KB per certificate

#### **Supported Databases:**

- MySQL Serer v5.7 or higher
- Microsoft SQL Server 2016
- SQLite3

#### **Supported Client OS:**

- Windows 7-10
- Windows Server 2008-2016

#### **Supported HSMs:**

Utimaco SecurityServer

#### Standards:

- X.509 certificates RFC 5280
- PKCS#10 RFC 2986
- CMS with PKCS#10 RFC 3852
- W3C SOAP v1.2
- CMC RFC 5272
- CMP RFC 4210 (subset)

#### **Supported Frontends:**

- DCOM AD enrollment
- IIS Web enrollment
- NDES network enrollment
- CEP/CES

#### Supported MDMs:

- Citrix XenMobile® 10.3 or higher
- VMware AirWatch<sup>®</sup> 8.4 or higher
- MobileIron Core<sup>®</sup> 8 or higher

#### **Supported Templates:**

- v1-v5 Certificate Templates
- Custom Templates

#### **Supported CA Backends:**

- OpenSSL CA
- OpenXPKI
- Dogtag CA
- EJBCA
- IBM z/OS CA
- Nexus CA
- Red Hat Certificate Server
- Windows AD CS
- SwissSign CA
- QuoVadis CA
- HydrantID CA

For further CAs, please ask.

