



Siemens Trust Center PKI

CA Hierarchy Policy 2020

2/17/2021

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Document History

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This document will be reviewed every year or in the event of an important ad-hoc change according to the Information Security update process for documents. Each new version will be approved by the respective management level before being released.

This document is published under www.siemens.com/pki.

Scope and Applicability

This document constitutes the Certificate Authority Hierarchy (CA Hierarchy) for the Siemens CA Certificates (Issuing & Root). The purpose of this document is to publicly disclose to subscribers and relying parties the business policies and practices under which Root- and Issuing CA are operated.

Document Status

This document with version 1.2 and status Released has been classified as "Unrestricted".

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1 Introduction

This document explains the Siemens CA Hierarchy 2020 (Root & Issuing).

1.1 Overview

The following picture shows the Siemens Root CAs together with the respective Issuing CAs:

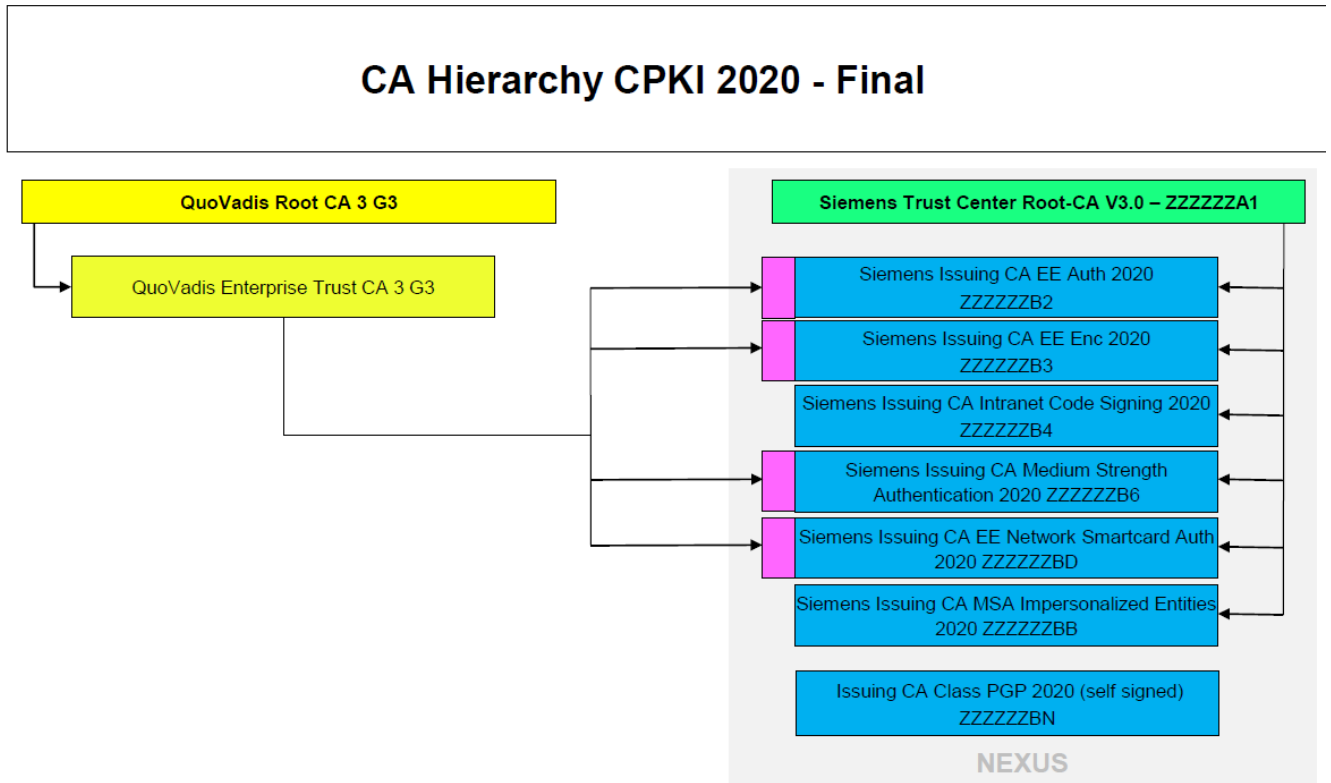


Figure 1: Siemens PKI Hierarchy 2020

2 Siemens Root CA

2.1 Siemens Trust Center Root CA V3.0 2016

| Contents | Value |
|---|---|
| Subject Distinguished Name (DN) | CN=Siemens Root CA V3.0 2016;OU=Siemens Trust Center;SN=ZZZZZA1;O=Siemens;L=Muenchen;SP=Bayern;C=DE |
| | 762907e3 |
| Key Length | 4096 |
| Signature Algorithm | sha256withRSA |
| Issuer Distinguished Name (DN) | CN=Siemens Root CA V3.0 2016;OU=Siemens Trust Center;SN=ZZZZZA1;O=Siemens;L=Muenchen;SP=Bayern;C=DE |
| Not Valid After: | 06.06.2028 |
| Authority Key Identifier | Include Authority Key Identifier |
| Subject Key Identifier | Include Subject Key Identifier |
| Key Usage critical | Key Cert Sign CRL Sign |
| Basic Constraints critical | Type=CA Path Length=nothing |
| Certificate Policies Non-Critical | 2.5.29.32.0 http://www.siemens.com/pki/ |

3 Siemens Issuing CA's 2020

3.1 Siemens Issuing CA EE Auth 2020

| Contents | Value |
|---|---|
| Subject Distinguished Name (DN) | CN=Siemens Issuing CA EE Auth 2020;OU=Siemens Trust Center;SN=ZZZZZB2;O=Siemens;L=Muenchen;SP=Bayern;C=DE |
| Serial-Number | 601c83b3 |
| Key Length | 4096 |
| Signature Algorithm | sha256withRSA |
| Issuer Distinguished Name (DN) | CN=Siemens Root CA V3.0 2016;OU=Siemens Trust Center;SN=ZZZZZA1;O=Siemens;L=Muenchen;SP=Bayern;C=DE |
| Not Valid After: | 24.06.2026 |
| Authority Information Access | ldap://al.siemens.net/CN=ZZZZZA1,L=PKI?cACertificate http://ah.siemens.com/pki?ZZZZZA1.crt ldap://al.siemens.com/uid=ZZZZZA1,o=Trustcenter?cACertificate http://ocsp.siemens.com |
| Authority Key Identifier | Include Authority Key Identifier |
| Subject Key Identifier | Include Subject Key Identifier |
| Key Usage critical | Key Cert Sign CRL Sign |
| Extended Key Usage Non-Critical | kp-clientAuth kp-emailProtection SmartCard Logon kp-ocspSigning |
| CRL Distribution Points | ldap://cl.siemens.net/CN=ZZZZZA1,L=PKI?authorityRevocationList http://ch.siemens.com/pki?ZZZZZA1.crl ldap://cl.siemens.com/uid=ZZZZZA1,o=Trustcenter?authorityRevocationList |
| Basic Constraints critical | Type=CA Path Length=0 |
| Certificate Policies Non-Critical | 1.3.6.1.4.1.4329.7 |
| | http://www.siemens.com/pki/ |
| | 1.3.6.1.4.1.4329.7.2.2.3.2.1 |
| | http://www.siemens.com/pki/ |
| | 1.3.6.1.4.1.4329.7.2.2.3.1.1 |
| | http://www.siemens.com/pki/ |
| | 1.3.6.1.4.1.4329.7.2.2.4.1.1 |
| | http://www.siemens.com/pki/ |
| | 1.3.6.1.4.1.4329.7.2.2.3.2.2 |
| | http://www.siemens.com/pki/ |
| | 1.3.6.1.4.1.4329.7.2.2.3.1.2 |
| | http://www.siemens.com/pki/ |
| | 1.3.6.1.4.1.4329.7.2.2.4.1.2 |
| | http://www.siemens.com/pki/ |
| 1.3.6.1.4.1.4329.7.2.5 | |
| http://www.siemens.com/pki/ | |
| 1.3.6.1.4.1.4329.99 | |
| http://www.siemens.com/pki/ | |

3.2 Siemens Issuing CA EE Enc 2020

| Contents | Value |
|---|---|
| Subject Distinguished Name (DN) | CN=Siemens Issuing CA EE Enc 2020;OU=Siemens Trust Center;SN=ZZZZZB3;O=Siemens;L=Muenchen;SP=Bayern;C=DE |
| Serial-Number | 4724cfb9 |
| Key Length | 4096 |
| Signature Algorithm | sha256withRSA |
| Issuer Distinguished Name (DN) | CN=Siemens Root CA V3.0 2016;OU=Siemens Trust Center;SN=ZZZZZA1;O=Siemens;L=Muenchen;SP=Bayern;C=DE |
| Not Valid After: | 24.06.2026 |
| Authority Information Access | ldap://al.siemens.net/CN=ZZZZZA1,L=PKI?cACertificate http://ah.siemens.com/pki?ZZZZZA1.crt ldap://al.siemens.com/uid=ZZZZZA1,o=Trustcenter?cACertificate http://ocsp.siemens.com |
| Authority Key Identifier | Include Authority Key Identifier |
| Subject Key Identifier | Include Subject Key Identifier |
| Key Usage critical | Key Cert Sign CRL Sign |
| Extended Key Usage Non-Critical | kp-emailProtection Encrypting File System File Recovery kp-ocspSigning Bitlocker Drive Encryption |
| CRL Distribution Points | ldap://cl.siemens.net/CN=ZZZZZA1,L=PKI?authorityRevocationList http://ch.siemens.com/pki?ZZZZZA1.crl ldap://cl.siemens.com/uid=ZZZZZA1,o=Trustcenter?authorityRevocationList |
| Basic Constraints critical | Type=CA Path Length=0 |
| Certificate Policies Non-Critical | 1.3.6.1.4.1.4329.7 |
| | http://www.siemens.com/pki/ |
| | 1.3.6.1.4.1.4329.7.2.2.3.2.3 |
| | http://www.siemens.com/pki/ |
| | 1.3.6.1.4.1.4329.7.2.2.3.1.3 |
| | http://www.siemens.com/pki/ |
| | 1.3.6.1.4.1.4329.7.2.2.4.1.3 |
| | http://www.siemens.com/pki/ |
| | 1.3.6.1.4.1.4329.7.2.5 |
| | http://www.siemens.com/pki/ |
| 1.3.6.1.4.1.4329.99 | |
| http://www.siemens.com/pki/ | |

3.3 Siemens Issuing CA Intranet Code Signing 2020

| Contents | Value |
|---|---|
| Subject Distinguished Name (DN) | CN=Siemens Issuing CA Intranet Code Signing 2020;OU=Siemens Trust Center;SN=ZZZZZB4;O=Siemens;L=Muenchen;SP=Bayern;C=DE |
| Serial-Number | 2c044bc8 |
| Key Length | 4096 |
| Signature Algorithm | sha256withRSA |
| Issuer Distinguished Name (DN) | CN=Siemens Root CA V3.0 2016;OU=Siemens Trust Center;SN=ZZZZZA1;O=Siemens;L=Muenchen;SP=Bayern;C=DE |
| Not Valid After: | 24.06.2026 |
| Authority Information Access | ldap://al.siemens.net/CN=ZZZZZA1,L=PKI?cACertificate http://ah.siemens.com/pki?ZZZZZA1.crt ldap://al.siemens.com/uid=ZZZZZA1,o=Trustcenter?cACertificate http://ocsp.siemens.com |
| Authority Key Identifier | Include Authority Key Identifier |
| Subject Key Identifier | Include Subject Key Identifier |
| Key Usage critical | Key Cert Sign CRL Sign |
| Extended Key Usage Non-Critical | kp-codeSigning kp-OCSPSigning |
| CRL Distribution Points | ldap://cl.siemens.net/CN=ZZZZZA1,L=PKI?authorityRevocationList http://ch.siemens.com/pki?ZZZZZA1.crl ldap://cl.siemens.com/uid=ZZZZZA1,o=Trustcenter?authorityRevocationList |
| Basic Constraints critical | Type=CA Path Length=0 |
| Certificate Policies Non-Critical | 1.3.6.1.4.1.4329.7 |
| | http://www.siemens.com/pki/ |
| | 1.3.6.1.4.1.4329.7.2.3.2.3 |
| | http://www.siemens.com/pki/ |
| | 1.3.6.1.4.1.4329.7.2.5 |
| | http://www.siemens.com/pki/ |
| | 1.3.6.1.4.1.4329.99 |
| | http://www.siemens.com/pki/ |

3.4 Siemens Issuing CA Medium Strength Authentication 2020

| Contents | Value |
|---|---|
| Subject Distinguished Name (DN) | CN=Siemens Issuing CA Medium Strength Authentication 2020;OU=Siemens Trust Center;SN=ZZZZZB6;O=Siemens;L=Muenchen;SP=Bayern;C=DE |
| Serial-Number | 7c682bb5 |
| Key Length | 4096 |
| Signature Algorithm | sha256withRSA |
| Issuer Distinguished Name (DN) | CN=Siemens Root CA V3.0 2016;OU=Siemens Trust Center;SN=ZZZZZA1;O=Siemens;L=Muenchen;SP=Bayern;C=DE |
| Not Valid After: | 24.06.2026 |
| Authority Information Access | ldap://al.siemens.net/CN=ZZZZZA1,L=PKI?cACertificate http://ah.siemens.com/pki?ZZZZZA1.crt ldap://al.siemens.com/uid=ZZZZZA1,o=Trustcenter?cACertificate http://ocsp.siemens.com |
| Authority Key Identifier | Include Authority Key Identifier |
| Subject Key Identifier | Include Subject Key Identifier |
| Key Usage critical | Key Cert Sign CRL Sign |
| Extended Key Usage Non-Critical | kp-ClientAuth kp-emailProtection kp-OCSPSigning |
| CRL Distribution Points | ldap://cl.siemens.net/CN=ZZZZZA1,L=PKI?authorityRevocationList http://ch.siemens.com/pki?ZZZZZA1.crl ldap://cl.siemens.com/uid=ZZZZZA1,o=Trustcenter?authorityRevocationList |
| Basic Constraints critical | Type=CA Path Length=0 |
| Certificate Policies Non-Critical | 1.3.6.1.4.1.4329.7 |
| | http://www.siemens.com/pki/ |
| | 1.3.6.1.4.1.4329.7.2.3.2.3 |
| | http://www.siemens.com/pki/ |
| | 1.3.6.1.4.1.4329.7.2.3.1.3 |
| | http://www.siemens.com/pki/ |
| | 1.3.6.1.4.1.4329.7.2.2.4.1.3 |
| | http://www.siemens.com/pki/ |
| | 1.3.6.1.4.1.4329.7.2.5 |
| | http://www.siemens.com/pki/ |
| 1.3.6.1.4.1.4329.99 | |
| http://www.siemens.com/pki/ | |

3.5 Siemens Issuing CA MSA Impersonalized Entities 2020

| Contents | Value |
|---|---|
| Subject Distinguished Name (DN) | CN=Siemens Issuing CA MSA Impersonalized Entities 2020;OU=Siemens Trust Center;SN=ZZZZZBB;O=Siemens;L=Muenchen;SP=Bayern;C=DE |
| Serial-Number | 727e5b5c |
| Key Length | 4096 |
| Signature Algorithm | sha256withRSA |
| Issuer Distinguished Name (DN) | CN=Siemens Root CA V3.0 2016;OU=Siemens Trust Center;SN=ZZZZZA1;O=Siemens;L=Muenchen;SP=Bayern;C=DE |
| Not Valid After: | 24.06.2026 |
| Authority Information Access | ldap://al.siemens.net/CN=ZZZZZA1,L=PKI?cACertificate http://ah.siemens.com/pki?ZZZZZA1.crt ldap://al.siemens.com/uid=ZZZZZA1,o=Trustcenter?cACertificate http://ocsp.siemens.com |
| Authority Key Identifier | Include Authority Key Identifier |
| Subject Key Identifier | Include Subject Key Identifier |
| Key Usage critical | Key Cert Sign CRL Sign |
| Extended Key Usage Non-Critical | kp-ClientAuth kp-OCSPSigning |
| CRL Distribution Points | ldap://cl.siemens.net/CN=ZZZZZA1,L=PKI?authorityRevocationList http://ch.siemens.com/pki?ZZZZZA1.crl ldap://cl.siemens.com/uid=ZZZZZA1,o=Trustcenter?authorityRevocationList |
| Basic Constraints critical | Type=CA Path Length=0 |
| Certificate Policies Non-Critical | 1.3.6.1.4.1.4329.7 |
| | http://www.siemens.com/pki/ |
| | 1.3.6.1.4.1.4329.7.2.3.2.3 |
| | http://www.siemens.com/pki/ |
| | 1.3.6.1.4.1.4329.7.2.5 |
| | http://www.siemens.com/pki/ |
| | 1.3.6.1.4.1.4329.99 |
| | http://www.siemens.com/pki/ |

3.6 Siemens Issuing CA EE Network Smartcard Auth 2020

| Contents | Value |
|---|---|
| Subject Distinguished Name (DN) | CN=Siemens Issuing CA EE Network Smartcard Auth 2020;OU=Siemens Trust Center;SN=ZZZZZBD;O=Siemens;L=Muenchen;SP=Bayern;C=DE |
| Serial-Number | 19393306 |
| Key Length | 4096 |
| Signature Algorithm | sha256withRSA |
| Issuer Distinguished Name (DN) | CN=Siemens Root CA V3.0 2016;OU=Siemens Trust Center;SN=ZZZZZA1;O=Siemens;L=Muenchen;SP=Bayern;C=DE |
| Not Valid After: | 24.06.2026 |
| Authority Information Access | ldap://al.siemens.net/CN=ZZZZZA1,L=PKI?cACertificate http://ah.siemens.com/pki?ZZZZZA1.crt ldap://al.siemens.com/uid=ZZZZZA1,o=Trustcenter?cACertificate http://ocsp.siemens.com |
| Authority Key Identifier | Include Authority Key Identifier |
| Subject Key Identifier | Include Subject Key Identifier |
| Key Usage critical | Key Cert Sign CRL Sign |
| Extended Key Usage Non-Critical | kp-clientAuth kp-emailProtection SmartCard Logon kp-ocspSigning |
| CRL Distribution Points | ldap://cl.siemens.net/CN=ZZZZZA1,L=PKI?authorityRevocationList http://ch.siemens.com/pki?ZZZZZA1.crl ldap://cl.siemens.com/uid=ZZZZZA1,o=Trustcenter?authorityRevocationList |
| Basic Constraints critical | Type=CA Path Length=0 |
| Certificate Policies Non-Critical | 1.3.6.1.4.1.4329.7 |
| | http://www.siemens.com/pki/ |
| | 1.3.6.1.4.1.4329.7.2.3.1.1 |
| | http://www.siemens.com/pki/ |
| | 1.3.6.1.4.1.4329.7.2.4.1.1 |
| | http://www.siemens.com/pki/ |
| | 1.3.6.1.4.1.4329.7.2.5 |
| | http://www.siemens.com/pki/ |
| 1.3.6.1.4.1.4329.99 | |
| http://www.siemens.com/pki/ | |