

Name CA		Siemens Trust Center Root CA V3.0 2016
	Public	
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
Key Length		4096
Signature Algorithm		sha256withRSA
Reference	New Cross Certificate	Siemens Trust Center Root CA V3.0 2016
Crypto Token		Safenet, Inc. - rootca
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:		12 years
Authority Key Identifier		Include Authority Key Identifier
Subject Key Identifier		Include Subject Key Identifier
Key Usage		Key Cert Sign CRL Sign critical
Basic Constraints	Path Length	CA -1 critical
Certificate Policies	Any Policy CPS URI	2.5.29.32.0 http://www.siemens.com/pki/ Non-Critical

Name CA		Siemens Issuing CA EE Auth 2016
	Public	
Subject Distinguished Name (DN)		CN=Siemens Issuing CA EE Auth 2016;OU=Siemens Trust Center;SN=ZZZZZA2;O=Siemens;L=Muenchen;SP=Bayern;C=DE
Key Length		4096
Signature Algorithm		sha256withRSA
Reference	New Cross Certificate	Siemens Issuing CA EE Auth 2016
Crypto Token		Safenet, Inc. - issca
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:		6 years
Authority Information Access	Method: Type: Value:	CA Issuers Uniform Resource Identifier ldap://al.siemens.net/CN=ZZZZZA1,L=PKI?cACertificate
Authority Information Access	Method: Type: Value:	CA Issuers Uniform Resource Identifier http://ah.siemens.com/pki?ZZZZZA1.crt
Authority Information Access	Method: Type: Value:	CA Issuers Uniform Resource Identifier ldap://al.siemens.com/uid=ZZZZZA1,o=Trustcenter?cACertificate
Authority Information Access	Method: Type: Value:	OCSF Uniform Resource Identifier http://ocsp.pki-services.siemens.com
Authority Key Identifier		Include Authority Key Identifier
Subject Key Identifier		Include Subject Key Identifier
Key Usage		Key Cert Sign CRL Sign critical
Extended Key Usage		kp-ClientAuth kp-emailProtection SmartCard Logon OCSPSigning Non-Critical
CRL Distribution Point	Type: Value:	Uniform Resource Identifier ldap://cl.siemens.net/CN=ZZZZZA1,L=PKI?authorityRevocationList
CRL Distribution Point	Type: Value:	Uniform Resource Identifier http://ch.siemens.com/pki?ZZZZZA1.crl
CRL Distribution Point	Type: Value:	Uniform Resource Identifier ldap://cl.siemens.com/uid=ZZZZZA1,o=Trustcenter?authorityRevocationList
Basic Constraints	Path Length	CA 0 critical
Certificate Policies	Siemens Public Key CPS URI	1.3.6.1.4.1.4329.7 http://www.siemens.com/pki/ Non-Critical

Name CA		Siemens Issuing CA EE Network Smartcard Auth 2016
	Public	
Subject Distinguished Name (DN)		CN=Siemens Issuing CA EE Network Smartcard Auth 2016;OU=Siemens Trust Center;SN=ZZZZZAD;O=Siemens;L=Muenchen;SP=Bayern;C=DE
Key Length		4096
Signature Algorithm		sha256withRSA
Reference	New Cross Certificate	Siemens Issuing CA EE Network Smartcard Auth 2016
Crypto Token		Safenet, Inc. - issca
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:		6 years
Authority Information Access	Method: Type: Value:	CA Issuers Uniform Resource Identifier ldap://al.siemens.net/CN=ZZZZZA1,L=PKI?cACertificate
Authority Information Access	Method: Type: Value:	CA Issuers Uniform Resource Identifier http://ah.siemens.com/pki?ZZZZZA1.crt
Authority Information Access	Method: Type: Value:	CA Issuers Uniform Resource Identifier ldap://al.siemens.com/uid=ZZZZZA1,o=Trustcenter?cACertificate
Authority Information Access	Method: Type: Value:	OCSP Uniform Resource Identifier http://ocsp.pki-services.siemens.com
Authority Key Identifier		Include Authority Key Identifier
Subject Key Identifier		Include Subject Key Identifier
Key Usage		Key Cert Sign CRL Sign critical
Extended Key Usage		kp-ClientAuth kp-emailProtection SmartCard Logon OCSPSigning critical Non-Critical
CRL Distribution Point	Type: Value:	Uniform Resource Identifier ldap://cl.siemens.net/CN=ZZZZZA1,L=PKI?authorityRevocationList
CRL Distribution Point	Type: Value:	Uniform Resource Identifier http://ch.siemens.com/pki?ZZZZZA1.crl
CRL Distribution Point	Type: Value:	Uniform Resource Identifier ldap://cl.siemens.com/uid=ZZZZZA1,o=Trustcenter?authorityRevocationList
Basic Constraints	Path Length	CA 0 critical
Certificate Policies	Siemens Public Key Infrastructure CPS URI	1.3.6.1.4.1.4329.7 http://www.siemens.com/pki/ Non-Critical

Name CA		Siemens Issuing CA EE Enc 2016
	Public	
Subject Distinguished Name (DN)		CN=Siemens Issuing CA EE Enc 2016;OU=Siemens Trust Center;SN=ZZZZZA3;O=Siemens;L=Muenchen;SP=Bayern;C=DE
Key Length		4096
Signature Algorithm		sha256withRSA
Reference Crypto Token	New Cross Certificate	Siemens Issuing CA EE Enc 2016 Safenet, Inc. - issca
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:		6 years
Authority Information Access	Method: Type: Value:	CA Issuers Uniform Resource Identifier ldap://al.siemens.net/CN=ZZZZZA1,L=PKI?cACertificate
Authority Information Access	Method: Type: Value:	CA Issuers Uniform Resource Identifier http://ah.siemens.com/pki?ZZZZZA1.crt
Authority Information Access	Method: Type: Value:	CA Issuers Uniform Resource Identifier ldap://al.siemens.com/uid=ZZZZZA1,o=Trustcenter?cACertificate
Authority Information Access	Method: Type: Value:	OCSP Uniform Resource Identifier http://ocsp.pki-services.siemens.com
Authority Key Identifier		Include Authority Key Identifier
Subject Key Identifier		Include Subject Key Identifier
Key Usage		Key Cert Sign CRL Sign critical
Extended Key Usage		kp-emailProtection Encrypting File System (szOID_EFS_CRYPT0) File Recovery (szOID_EFS_RECOVERY) OCSPSigning critical critical critical critical Non-Critical
CRL Distribution Point	Type: Value:	Uniform Resource Identifier ldap://cl.siemens.net/CN=ZZZZZA1,L=PKI?authorityRevocationList
CRL Distribution Point	Type: Value:	Uniform Resource Identifier http://ch.siemens.com/pki?ZZZZZA1.crl
CRL Distribution Point	Type: Value:	Uniform Resource Identifier ldap://cl.siemens.com/uid=ZZZZZA1,o=Trustcenter?authorityRevocationList
Basic Constraints	Path Length	CA 0 critical
Certificate Policies	Siemens Public Key Infrastructure CPS URI	1.3.6.1.4.1.4329.7 http://www.siemens.com/pki/ Non-Critical

Name CA **Siemens Issuing CA Intranet Code Signing 2016**

	Public	
Subject Distinguished Name (DN)		CN=Siemens Issuing CA Intranet Code Signing 2016;OU=Siemens Trust Center;SN=ZZZZZA4;O=Siemens;L=Muenchen;SP=Bayern;C=DE
Key Length		4096
Signature Algorithm		sha256withRSA
Reference Crypto Token	New Cross Certificate	Siemens Issuing CA Intranet Code Signing 2016 Safenet, Inc. - issca
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:		6 years
Authority Information Access	Method: Type: Value:	CA Issuers Uniform Resource Identifier ldap://al.siemens.net/CN=ZZZZZA1,L=PKI?cACertificate
Authority Information Access	Method: Type: Value:	CA Issuers Uniform Resource Identifier http://ah.siemens.com/pki?ZZZZZA1.crt
Authority Information Access	Method: Type: Value:	CA Issuers Uniform Resource Identifier ldap://al.siemens.com/uid=ZZZZZA1,o=Trustcenter?cACertificate
Authority Information Access	Method: Type: Value:	OCSF Uniform Resource Identifier http://ocsp.pki-services.siemens.com
Authority Key Identifier		Include Authority Key Identifier
Subject Key Identifier		Include Subject Key Identifier
Key Usage		Key Cert Sign CRL Sign critical
Extended Key Usage		kp-codeSigning OCSPSigning Non-Critical
CRL Distribution Point	Type: Value:	Uniform Resource Identifier ldap://cl.siemens.net/CN=ZZZZZA1,L=PKI?authorityRevocationList
CRL Distribution Point	Type: Value:	Uniform Resource Identifier http://ch.siemens.com/pki?ZZZZZA1.crl
CRL Distribution Point	Type: Value:	Uniform Resource Identifier ldap://cl.siemens.com/uid=ZZZZZA1,o=Trustcenter?authorityRevocationList
Basic Constraints	Path Length	CA 0 critical
Certificate Policies	Siemens Public Key Infrastructure CPS URI	1.3.6.1.4.1.4329.7 http://www.siemens.com/pki/ Non-Critical

Name CA		Siemens Issuing CA Multi Purpose 2016
	Public	
Subject Distinguished Name (DN)		CN=Siemens Issuing CA Multi Purpose 2016;OU=Siemens Trust Center;SN=ZZZZZA5;O=Siemens;L=Muenchen;SP=Bayern;C=DE
Key Length		4096
Signature Algorithm		sha256withRSA
Reference	New Cross Certificate	Siemens Issuing CA Multi Purpose 2016
Crypto Token		Safenet, Inc. - issca
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:		6 years
Authority Information Access	Method: Type: Value:	CA Issuers Uniform Resource Identifier ldap://al.siemens.net/CN=ZZZZZA1,L=PKI?cACertificate
Authority Information Access	Method: Type: Value:	CA Issuers Uniform Resource Identifier http://ah.siemens.com/pki?ZZZZZA1.crt
Authority Information Access	Method: Type: Value:	CA Issuers Uniform Resource Identifier ldap://al.siemens.com/uid=ZZZZZA1,o=Trustcenter?cACertificate
Authority Information Access	Method: Type: Value:	OCSP Uniform Resource Identifier http://ocsp.pki-services.siemens.com
Authority Key Identifier		Include Authority Key Identifier
Subject Key Identifier		Include Subject Key Identifier
Key Usage		Key Cert Sign CRL Sign critical
Extended Key Usage		kp-ClientAuth kp-emailProtection OCSPSigning critical critical critical critical Non-Critical
CRL Distribution Point	Type: Value:	Uniform Resource Identifier ldap://cl.siemens.net/CN=ZZZZZA1,L=PKI?authorityRevocationList
CRL Distribution Point	Type: Value:	Uniform Resource Identifier http://ch.siemens.com/pki?ZZZZZA1.crl
CRL Distribution Point	Type: Value:	Uniform Resource Identifier ldap://cl.siemens.com/uid=ZZZZZA1,o=Trustcenter?authorityRevocationList
Basic Constraints	Path Length	CA 0 critical
Certificate Policies	Siemens Public Key Infrastructure CPS URI	1.3.6.1.4.1.4329.7 http://www.siemens.com/pki/ Non-Critical

Name CA		Siemens Issuing CA Medium Strength Authentication 2016
	Public	
Subject Distinguished Name (DN)		CN=Siemens Issuing CA Medium Strength Authentication 2016;OU=Siemens Trust Center;SN=ZZZZZA6;O=Siemens;L=Muenchen;SP=Bayern;C=DE
Key Length		4096
Signature Algorithm		sha256withRSA
Reference	New Cross Certificate	Siemens Issuing CA Medium Strength Authentication 2016
Crypto Token		Safenet, Inc. - issca
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:		6 years
Authority Information Access	Method: Type: Value:	CA Issuers Uniform Resource Identifier ldap://al.siemens.net/CN=ZZZZZA1,L=PKI?cACertificate
Authority Information Access	Method: Type: Value:	CA Issuers Uniform Resource Identifier http://ah.siemens.com/pki?ZZZZZA1.crt
Authority Information Access	Method: Type: Value:	CA Issuers Uniform Resource Identifier ldap://al.siemens.com/uid=ZZZZZA1,o=Trustcenter?cACertificate
Authority Information Access	Method: Type: Value:	OCSP Uniform Resource Identifier http://ocsp.pki-services.siemens.com
Authority Key Identifier		Include Authority Key Identifier
Subject Key Identifier		Include Subject Key Identifier
Key Usage		Key Cert Sign CRL Sign critical
Extended Key Usage		kp-ClientAuth kp-emailProtection OCSPSigning critical critical critical critical critical Non-Critical
CRL Distribution Point	Type: Value:	Uniform Resource Identifier ldap://cl.siemens.net/CN=ZZZZZA1,L=PKI?authorityRevocationList
CRL Distribution Point	Type: Value:	Uniform Resource Identifier http://ch.siemens.com/pki?ZZZZZA1.crl
CRL Distribution Point	Type: Value:	Uniform Resource Identifier ldap://cl.siemens.com/uid=ZZZZZA1,o=Trustcenter?authorityRevocationList
Basic Constraints	Path Length	CA 0 critical
Certificate Policies	Siemens Public Key Infrastructure CPS URI	1.3.6.1.4.1.4329.7 http://www.siemens.com/pki/ Non-Critical

Name CA		Siemens Issuing CA MSA Impersonalized Entities 2016
	Public	
Subject Distinguished Name (DN)		CN=Siemens Issuing CA MSA Impersonalized Entities 2016;OU=Siemens Trust Center;SN=ZZZZZAB;O=Siemens;L=Muenchen;SP=Bayern;C=DE
Key Length		4096
Signature Algorithm		sha256withRSA
Reference	New Cross Certificate	Siemens Issuing CA MSA Impersonalized Entities 2016
Crypto Token		Safenet, Inc. - issca
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:		6 years
Authority Information Access	Method: Type: Value:	CA Issuers Uniform Resource Identifier ldap://al.siemens.net/CN=ZZZZZA1,L=PKI?cACertificate
Authority Information Access	Method: Type: Value:	CA Issuers Uniform Resource Identifier http://ah.siemens.com/pki?ZZZZZA1.crt
Authority Information Access	Method: Type: Value:	CA Issuers Uniform Resource Identifier ldap://al.siemens.com/uid=ZZZZZA1,o=Trustcenter?cACertificate
Authority Information Access	Method: Type: Value:	OCSF Uniform Resource Identifier http://ocsp.pki-services.siemens.com
Authority Key Identifier		Include Authority Key Identifier
Subject Key Identifier		Include Subject Key Identifier
Key Usage		Key Cert Sign CRL Sign critical critical
Extended Key Usage		kp-ClientAuth OCSPSigning critical critical critical critical critical Non-Critical
CRL Distribution Point	Type: Value:	Uniform Resource Identifier ldap://cl.siemens.net/CN=ZZZZZA1,L=PKI?authorityRevocationList
CRL Distribution Point	Type: Value:	Uniform Resource Identifier http://ch.siemens.com/pki?ZZZZZA1.crl
CRL Distribution Point	Type: Value:	Uniform Resource Identifier ldap://cl.siemens.com/uid=ZZZZZA1,o=Trustcenter?authorityRevocationList
Basic Constraints	Path Length	CA 0 critical
Certificate Policies	Siemens Public Key Infrastructure CPS URI	1.3.6.1.4.1.4329.7 http://www.siemens.com/pki/ Non-Critical

Name CA		Siemens Issuing CA Intranet Server 2016
	Public	
Subject Distinguished Name (DN)		CN=Siemens Issuing CA Intranet Server 2016;OU=Siemens Trust Center;SN=ZZZZZA7;O=Siemens;L=Muenchen;SP=Bayern;C=DE
Key Length		4096
Signature Algorithm		sha256withRSA
Reference	New Cross Certificate	Siemens Issuing CA Intranet Server 2016
Crypto Token		Safenet, Inc. - issca
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:		6 years
Authority Information Access	Method: Type: Value:	CA Issuers Uniform Resource Identifier ldap://al.siemens.net/CN=ZZZZZA1,L=PKI?cACertificate
Authority Information Access	Method: Type: Value:	CA Issuers Uniform Resource Identifier http://ah.siemens.com/pki/ZZZZZA1.crt
Authority Information Access	Method: Type: Value:	CA Issuers Uniform Resource Identifier ldap://al.siemens.com/uid=ZZZZZA1,o=Trustcenter?cACertificate
Authority Information Access	Method: Type: Value:	OCSF Uniform Resource Identifier http://ocsp.pki-services.siemens.com
Authority Key Identifier		Include Authority Key Identifier
Subject Key Identifier		Include Subject Key Identifier
Key Usage		Key Cert Sign CRL Sign critical
Extended Key Usage		kp-serverAuth kp-clientAuth OCSPSigning Non-Critical
CRL Distribution Point	Type: Value:	Uniform Resource Identifier ldap://cl.siemens.net/CN=ZZZZZA1,L=PKI?authorityRevocationList
CRL Distribution Point	Type: Value:	Uniform Resource Identifier http://ch.siemens.com/pki/ZZZZZA1.crl
CRL Distribution Point	Type: Value:	Uniform Resource Identifier ldap://cl.siemens.com/uid=ZZZZZA1,o=Trustcenter?authorityRevocationList
Basic Constraints	Path Length	CA 0 critical
Certificate Policies	Siemens Public Key Infrastructure CPS URI	1.3.6.1.4.1.4329.7 http://www.siemens.com/pki/ Non-Critical

Name CA		Siemens Issuing CA Internet Code Signing 2016
	Public	
Subject Distinguished Name (DN)		CN=Siemens Issuing CA Internet Code Signing 2016;OU=Siemens Trust Center:SN=ZZZZZAB,O=Siemens;L=Muenchen;SP=Bayern;C=DE
Key Length		4096
Signature Algorithm		sha256withRSA
Reference	New P10 Request	Siemens Issuing CA Internet Code Signing 2016
Crypto Token		Safenet, Inc. - issca
Issuer Distinguished Name (DN)		CN = QuoVadis Enterprise Trust CA 2 G3 O = QuoVadis Limited C = BM
Not Valid After:		6 years
Authority Information Access	Method: Type: Value:	CA Issuers Uniform Resource Identifier http://trust.quovadisglobal.com/qventca2g3.crt
Authority Information Access	Method: Type: Value:	OCSF Uniform Resource Identifier http://qventca2g3.ocsp.quovadisglobal.com
Authority Information Access	Method: Type: Value:	
Authority Information Access	Method: Type: Value:	
Authority Key Identifier		Include Authority Key Identifier
Subject Key Identifier		Include Subject Key Identifier
Key Usage		Key Cert Sign CRL Sign critical
Extended Key Usage		kp-codeSigning OCSPSigning Non-Critical
CRL Distribution Point	Type: Value:	Uniform Resource Identifier http://crl.quovadisglobal.com/qventca2g3.crl
CRL Distribution Point	Type: Value:	
CRL Distribution Point	Type: Value:	
Basic Constraints	Path Length	CA 0 critical
Certificate Policies	QV OID which identifies Siemens CPS URI	1.3.6.1.4.1.8024.0.2.1800.0 http://www.quovadisglobal.com/repository Non-Critical
Certificate Policies	Microsoft Root Program (section 4.A.15) required OID for non EV Code Signing CPS URI	2.23.140.1.4 Non-Critical
Certificate Policies	Siemens PKI CPS URI	1.3.6.1.4.1.4329.7 http://www.siemens.com/pki/ Non-Critical
Name Constraints	Subtree Type Minimum Maximum Name Type Value	Permitted Subtrees empty MAX Directory Name (X.500) C=DE;SP=Bayern;L=Muenchen;O=Siemens

Name CA		Siemens Issuing CA Internet Server 2016
	Public	
Subject Distinguished Name (DN)		CN=Siemens Issuing CA Internet Server 2016;OU=Siemens Trust Center;SN=ZZZZZA9;O=Siemens;L=Muenchen;SP=Bayern;C=DE
Key Length		4096
Signature Algorithm		sha256withRSA
Reference	New P10 Request	Siemens Issuing CA Internet Server 2016
Crypto Token		Safenet, Inc. - issca
Issuer Distinguished Name (DN)		CN = QuoVadis Enterprise Trust CA 2 G3 O = QuoVadis Limited C = BM
Not Valid After:		6 years
Authority Information Access	Method: Type: Value:	CA Issuers Uniform Resource Identifier http://trust.quovadisglobal.com/qventca2g3.crt
Authority Information Access	Method: Type: Value:	OCSP Uniform Resource Identifier http://qventca2g3.ocsp.quovadisglobal.com
Authority Information Access	Method: Type: Value:	
Authority Information Access	Method: Type: Value:	
Authority Key Identifier		Include Authority Key Identifier
Subject Key Identifier		Include Subject Key Identifier
Key Usage		Key Cert Sign CRL Sign critical
Extended Key Usage		kp-clientAuth OCSPSigning kp-serverAuth Non-Critical
CRL Distribution Point	Type: Value:	Uniform Resource Identifier http://crl.quovadisglobal.com/qventca2g3.crl
CRL Distribution Point	Type: Value:	
CRL Distribution Point	Type: Value:	
Basic Constraints	Path Length	CA 0 critical
Certificate Policies	QV OID which identifies Siemens CPS URI	1.3.6.1.4.1.8024.0.2.1800.0 http://www.quovadisglobal.com/repository Non-Critical
Certificate Policies	OV OID	2.23.140.1.2.2 Non-Critical
Certificate Policies	Policy Identifier= PLACEHOLDER, POSSIBLE CAB FORUM OID CPS URI	1.3.6.1.4.1.4329.7 http://www.siemens.com/pki/ Non-Critical