

esFIRMA Electronic Seal Software Certificate Profile

Country: Any European Union country (*esfirma-sl-soft-eu.pem*)

Version: 2 (*v3*)

SerialNumber: Greater than 0 containing 128 bits of output from a CSPRNG

Signature:

algo: 1.2.840.113549.1.1.11 (*sha256WithRSAEncryption*)

params: NULL

Issuer:

2.5.4.6 (*countryName,C*): EU ISO 3166-1 alpha-2 code (*type: printableString*)

2.5.4.7 (*localityName,L*): ZARAGOZA (*type: printableString*)

2.5.4.10 (*organizationName*): ESPUBLICO SERVICIOS PARA LA ADMINISTRACION SA (*type: printableString*)

2.5.4.11 (*organizationalUnitName*): AUTORIDAD DE CERTIFICACION ESFIRMA - AAPP (*type: printableString*)

2.5.4.5 (*serialNumber,SN*): A50878842 (*type: printableString*)

2.5.4.3 (*commonName,CN*): ESFIRMA AC AAPP 2 (*type: printableString*)

Subject:

2.5.4.6 (*countryName,C*): EU ISO 3166-1 alpha-2 code (*type: printableString*)

2.5.4.10 (*organizationName*): TEST (*type: printableString*)

2.5.4.5 (*serialNumber,SN*): VATES-A9999999G (*type: printableString*)

2.5.4.97 (*organizationIdentifier*): VATES-A9999999G (*type: printableString*)

2.5.4.3 (*commonName,CN*): TEST (*type: printableString*)

Validity:

Duration: ~ 2 years

NotBefore: Date on which the certificate validity period begins

NotAfter: Date on which the certificate validity period ends

SubjectPublicKeyInfo:

Supported algorithms:

1.2.840.113549.1.1.1 (*RSA 2048 bits*)

1.2.840.10045.3.1.7 (*EC NIST P256*)

Extensions:

2.5.29.32 (*Certificate policies*)

Policies:

0.4.0.194112.1.1 (*Qcp-legal*)

1.3.6.1.4.1.47281.1.8.2 (*esFIRMA Electronic Seal Signing Software Policy*)

1.3.6.1.5.5.7.2.1 (*CPS*)

URI: <https://www.esfirma.com/doc-pki/> (*type: IA5String*)

2.5.29.14 (*Subject key identifier*): 160 bit derived from the public key

2.5.29.35 (*Authority key identifier*)

Identifier: 0xf640efc3a72b4de5bf31e9faeec379791f2a0358 (*b64: 9kDvw6crTeW/Men67sN5eR8qA1g=*)

2.5.29.19 (*Basic constraints*)

None

2.5.29.15 (*Key usage*):

Critical

0 (*DigitalSignature*)

1 (*ContentCommitment*)

2 (*KeyEncipherment*) when RSA key

4 (*KeyAgreement*) when EC P256 key

2.5.29.37 (*Extended key usage*)

1.3.6.1.5.5.7.3.2 (*ClientAuth*)

2.5.29.31 (*Revocation List distribution points*):

DistributionPoint

Name

FullName

[0] uri: <http://crs1.esfirma.com/acaapp/acaapp2.crl> (type: IA5String)

DistributionPoint

Name

FullName

[0] uri: <http://crs2.esfirma.com/acaapp/acaapp2.crl> (type: IA5String)

1.3.6.1.5.5.7.1.1 (Authority Information Access):

AccessDescription:

Method: 1.3.6.1.5.5.7.48.1 (ocsp)

Location

uri: <http://ocsp1.esfirma.com/acaapp2/> (type: IA5String)

AccessDescription:

Method: 1.3.6.1.5.5.7.48.1 (ocsp)

Location

uri: <http://ocsp2.esfirma.com/acaapp2/> (type: IA5String)

AccessDescription:

Method: 1.3.6.1.5.5.7.48.2 (calssuers)

Location

uri: <http://www.esfirma.com/doc-pki/acaapp2.crt> (type: IA5String)

1.3.6.1.5.5.7.1.3 (QcStatements):

0.4.0.1862.1.1 (QcCompliance)

0.4.0.1862.1.6 (QcType)

0.4.0.1862.1.6.2 (eseal)

0.4.0.1862.1.3 (QcRetentionPeriod)

Years: 15 (0xf)

1.3.6.1.5.5.7.11.2 (id-qcs-pkixQCSyntax-v2)

keyIdentifier: 0.4.0.194121.1.2 (Id-etsi-qcs-SemanticsId-Legal)

1.3.6.1.5.5.7.11.2 (id-qcs-pkixQCSyntax-v2)

keyIdentifier: 0.4.0.194121.1.4 (Id-etsi-qcs-SemanticsId-Eidas-Legal)

Country: Spain (*Legacy*) (*esfirma-sl-soft-es-legacy.pem*)

Version: 2 (*v3*)

SerialNumber: Greater than 0 containing 128 bits of output from a CSPRNG

Signature:

algo: 1.2.840.113549.1.1.11 (*sha256WithRSAEncryption*)

params: NULL

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2.5.4.6 (*countryName,C*): ES (*type: printableString*)

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2.5.4.11 (*organizationalUnitName*): AUTORIDAD DE CERTIFICACION ESFIRMA - AAPP (*type: printableString*)

2.5.4.5 (*serialNumber,SN*): A50878842 (*type: printableString*)

2.5.4.3 (*commonName,CN*): ESFIRMA AC AAPP 2 (*type: printableString*)

Subject:

2.5.4.6 (*countryName,C*): ES (*type: printableString*)

2.5.4.10 (*organizationName*): PRUEBA-TEST (*type: printableString*)

2.5.4.5 (*serialNumber,SN*): VATES-A9999999G (*type: printableString*)

2.5.4.97 (*organizationIdentifier*): VATES-A9999999G (*type: printableString*)

2.5.4.3 (*commonName,CN*): SELLO ELECTRONICO DE PRUEBA-TEST (*type: printableString*)

Validity:

Duration: ~ 2 years

NotBefore: Date on which the certificate validity period begins

NotAfter: Date on which the certificate validity period ends

SubjectPublicKeyInfo:

Supported algorithms:

1.2.840.113549.1.1.1 (*RSA 2048 bits*)

1.2.840.10045.3.1.7 (*EC NIST P256*)

Extensions:

2.5.29.32 (*Certificate policies*)

Policies:

0.4.0.194112.1.1 (*Qcp-legal*)

1.3.6.1.4.1.47281.1.8.2 (*esFIRMA Electronic Seal Signing Software Policy*):

1.3.6.1.5.5.7.2.1 (*CPS*)

URI: <https://www.esfirma.com/doc-pki/> (*type: IA5String*)

1.3.6.1.5.5.7.2.2 (*User Notice*)

ExplicitText: Certificado cualificado de sello electrónico de PRUEBA-TEST. Consulte <https://www.esfirma.com/doc-pki/> (*type: utf8String*)

2.5.29.14 (*Subject key identifier*): 160 bit derived from the public key

2.5.29.35 (*Authority key identifier*)

Identifier: 0xf640efc3a72b4de5bf31e9faeec379791f2a0358 (*b64: 9kDvw6crTeW/Men67sN5eR8qA1g=*)

2.5.29.19 (*Basic constraints*)

None

2.5.29.15 (*Key usage*):

Critical

0 (DigitalSignature)

1 (ContentCommitment)

2 (KeyEncipherment) when RSA key

4 (KeyAgreement) when EC P256 key

2.5.29.37 (Extended key usage)

1.3.6.1.5.5.7.3.2 (ClientAuth)

2.5.29.31 (Revocation List distribution points):

DistributionPoint

Name

FullName

[0] uri: http://crls1.esfirma.com/acaapp/acaapp2.crl (type: IA5String)

DistributionPoint

Name

FullName

[0] uri: http://crls2.esfirma.com/acaapp/acaapp2.crl (type: IA5String)

1.3.6.1.5.5.7.1.1 (Authority Information Access):

AccessDescription:

Method: 1.3.6.1.5.5.7.48.1 (ocsp)

Location

uri: http://ocsp1.esfirma.com/acaapp2/ (type: IA5String)

AccessDescription:

Method: 1.3.6.1.5.5.7.48.1 (ocsp)

Location

uri: http://ocsp2.esfirma.com/acaapp2/ (type: IA5String)

AccessDescription:

Method: 1.3.6.1.5.5.7.48.2 (calssuers)

Location

uri: http://www.esfirma.com/doc-pki/acaapp2.crt (type: IA5String)

2.5.29.17 (Subject alternative name)

rfc822Name: a9999999g@test.esfirma.com (type: IA5String) (Optional)

1.3.6.1.5.5.7.1.3 (QcStatements):

0.4.0.1862.1.1 (QcCompliance)

0.4.0.1862.1.6 (QcType)

0.4.0.1862.1.6.2 (eseal)

0.4.0.1862.1.3 (QcRetentionPeriod)

Years: 15 (0xf)

0.4.0.1862.1.5 (QcPDS):

Location:

lang: en (type: PrintableString)

url: https://www.esfirma.com/doc-pki/PDS2/SL2-INTERMEDIACION-SOFT-EN/ (type: IA5String)

Location:

lang: es (type: PrintableString)

url: https://www.esfirma.com/doc-pki/PDS2/SL2-INTERMEDIACION-SOFT-ES/ (type: IA5String)

1.3.6.1.5.5.7.11.2 (id-qcs-pkixQCSyntax-v2)

keyIdentifier: 0.4.0.194121.1.2 (Id-etsi-qcs-SemanticsId-Legal)

1.3.6.1.5.5.7.11.2 (*id-qcs-pkixQCSyntax-v2*)

keyIdentifier: 0.4.0.194121.1.4 (*id-etsi-qcs-SemanticsId-Eidas-Legal*)