

InCommon Cert Types

InCommon Certificate Service SSO and MFA Available

The use of single sign-on and multifactor authentication for accessing the Comodo Certificate Manager is available to any subscriber that also operates an Identity Provider in the InCommon Federation. [See this wiki page](#) for details.

InCommon Certificate Types

This page includes links to technical documents and service endpoints for each of the certificate types issued by the InCommon Certificate Service.

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SSL/TLS Certificates

SHA-2 Server Certificates

The intermediate CA known as the InCommon RSA Server CA, which uses the SHA-2 hash algorithm, was deployed on September 22, 2014.

- *Certificate Chain (Comodo's version of the chain):*
 - [USERTrust Secure \[DER\]](#)
 - [InCommon RSA Server CA \[DER\] \[PEM\]](#)
 - [End-Entity Certificate](#)
- *Certificate Revocation List:* <http://crl.incommon-rsa.org/InCommonRSAServerCA.crl>
- *Online Certificate Status Protocol:* <http://ocsp.incommon.org>

Organizational Validation SSL/TLS Certificates

The intermediate CA known as the *InCommon Server CA* was deployed on February 1, 2011. Prior to that date, Organizational Validation (OV) SSL/TLS end-entity certificates were signed by the [COMODO High Assurance Secure Server CA](#).

- *Certificate Chain:*
 - [AddTrust External CA Root \[Text\] \[PEM\]](#)
 - [InCommon Server CA \[Text\] \[PEM\]](#)
 - [End-Entity Certificate](#)
- [Intermediate CA Bundle](#) for OV SSL/TLS Certificates
- [Certification Practices Statement](#) for OV SSL/TLS Certificates
- [Certificate Profile](#) for OV SSL/TLS Certificates
- *Certificate Revocation List:* <http://crl.incommon.org/InCommonServerCA.crl>
- *Online Certificate Status Protocol:* <http://ocsp.incommon.org>

To test the freshness of the CRL, type the following command:

```
$ curl -s http://crl.incommon.org/InCommonServerCA.crl | openssl crl -inform DER -noout -lastupdate -nextupdate
```

Extended Validation SSL/TLS Certificates

Extended Validation (EV) SSL/TLS Certificates became available on March 10, 2011.

- *Certificate Chain:*
 - AddTrust External CA Root [Text] [PEM]
 - COMODO Certification Authority [Text] [PEM]
 - COMODO Extended Validation Secure Server CA [Text] [PEM]
 - End-Entity Certificate
- [Intermediate CA Bundle](#) for EV SSL/TLS Certificates
- [Certification Practices Statement](#) for EV SSL/TLS Certificates
- Certificate Profile for EV SSL/TLS Certificates
- *Certificate Revocation List:* <http://crl.comodoca.com/COMODOExtendedValidationSecureServerCA.crl>
- *Online Certificate Status Protocol:* <http://ocsp.comodoca.com>

IGTF Server Certificates

The intermediate CA known as the InCommon IGTF Server CA was deployed on July 7, 2014.

- *Certificate Chain:*
 - AddTrust External CA Root
 - COMODO RSA Certification Authority [DER]
 - InCommon IGTF Server CA [DER]
 - End-Entity Certificate
- *Certificate Revocation List:* <http://crl.incommon-igtf.org/InCommonIGTFServerCA.crl>
- *Online Certificate Status Protocol:* <http://ocsp.incommon-igtf.org>
- *Repository:* <https://www.incommon.org/certificates/igtf/>

Client Certificates

SHA-2 Standard Assurance Client Certificates

The intermediate CA known as the InCommon RSA Standard Assurance Client CA was deployed on September 18, 2014.

- Certificate Chain:

AddTrust External CA Root [Text] [PEM]
USERTrust RSA Certification Authority [Text] [PEM]
InCommon RSA Standard Assurance Client CA [Text] [PEM]
End-Entity Certificate

- [Intermediate CA Bundle](#) for Standard Client Certificates
- [Certification Practices Statement](#) for Standard Client Certificates
- *Certificate Revocation List:*
<http://crl.incommon-rsa.org/InCommonRSAStandardAssuranceClientCA.crl>
- Online Certificate Status Protocol:
<http://ocsp.incommon-rsa.org>

SHA-1 Standard Assurance Client Certificates (*deprecated*)

The intermediate CA known as the *InCommon Standard Assurance Client CA* was deployed on March 10, 2011.

- *Certificate Chain:*
 - AddTrust External CA Root [Text] [PEM]
 - UTN-USERFirst-Client Authentication and Email [Text] [PEM]
 - InCommon Standard Assurance Client CA [Text] [PEM]
 - End-Entity Certificate
- [Intermediate CA Bundle](#) for Standard Client Certificates
- [Certification Practices Statement](#) for Standard Client Certificates
- Certificate Profile for Standard Client Certificates

- *Certificate Revocation List*:<http://crl.incommon.org/InCommonStandardAssuranceClientCA.crl>
- *Online Certificate Status Protocol*:<http://ocsp.incommon.org>

Code-signing Certificates

The intermediate CA known as the *InCommon RSA Code Signing CA* (SHA-2) was deployed on September 19, 2014.

- *Certificate Chain*
 - *Please click here to see the cert chain*: <https://support.comodo.com/index.php?/Default/Knowledgebase/Article/View/992/108/incommon-code-signing-sha-2>

The intermediate CA known as the *InCommon Code Signing CA* (SHA-1) was deployed on June 30, 2011.

- *Certificate Chain*:
 - AddTrust External CA Root [Text] [PEM]
 - UTN-USERFirst-Object [Text] [PEM]
 - InCommon Code Signing CA [Text] [PEM]
 - End-Entity Certificate

The following information is common to both the SHA-1 and SHA-2 InCommon intermediate CAs:

- [Certification Practices Statement for Code-Signing Certificates](#)
- *Certificate Revocation List*:<http://crl.incommon.org/InCommonCodeSigningCA.crl>
- *Online Certificate Status Protocol*:<http://ocsp.incommon.org>