



Comodo Certificate Authority Root Certificates

COMODO
Creating Trust Online®

Comodo's extensive rootkey portfolio is trusted by over 99.9% of all browsers

Browser Recognition

Comodo Root certificates are trusted by over 99.9% of all current browsers and mobile devices, including Internet Explorer, Mozilla Firefox, Google Chrome, Apple Safari, iOS, Android and many others.

Highest encryption algorithms

As part of an industry wide effort to ensure that the encryption standards in use at any point in time are at least 10 years ahead of the most advanced cryptanalysis techniques, all new Comodo certificates are issued using the high strength SHA-2 algorithm.

Elliptic Curve Cryptography

Elliptic Curve Cryptography (ECC) is an advanced cryptographic technique that allows CAs to create certificates with smaller, more efficient keys with no loss in security. Smaller keys drastically reduce the length of time it takes to complete an **SSL connection**, which translates into significant performance gains for e-commerce websites and places less stress on computationally restricted devices such as mobile phones and tablets. Comodo offers ECC on its entire range of certificates..

Key Size

The UTN and AddTrust Root Certificates employ 2048-bit keys. This is a critical consideration as it would technically be possible to break a 1024-bit key much more quickly than a 2048-bit key. This is because 1024-bit keys are easier to factor which makes the guessing attack much faster. Importantly, new **SSL certification** standards being developed by major browser providers like Microsoft and leading CAs such as Comodo, identify 2048-bit CA key sizes as the new standard.

Comodo CA Rootkeys

[SecureCertificateServices](#)

[TrustedCertificateServices](#)

[AddTrustClass1CARoot](#)

[AddTrustPublicCARoot](#)

[AddTrustQualifiedCARoot](#)

[ComodoCertificationAuthority](#)

[AAACertificateServices](#)

[AddTrustExternalCARoot](#)

[UTN-USERFirst-Hardware](#)

[UTN-USERFirst-ClientAuthentication and Email](#)

[UTN-USERFirst-Object](#)

[COMODO RSA Certification Authority](#)

[COMODO ECC Certification Authority](#)

[USERTrust RSA Certification Authority](#)

[USERTrust ECC Certification Authority](#)

Comodo SSL Compatibility

Web Browsers:

Microsoft Internet Explorer 5.01 +
Mozilla Firefox 1.0 +
Mozilla 0.6 +
Google Chrome
Konqueror (KDE)
Netscape 4.77 +
Opera 6.1 +
Apple Safari 1.2 +
Camino 1.0 +
AOL 5 +

Mobile Devices / PDAs / Micro Browsers / Games Consoles

Android 1.5 +
iOS 1.0 +
Windows Phone 7 +
Microsoft Windows Mobile 5/6
Blackberry 4.3.0 +
Microsoft Windows CE 4.0
Microsoft IE Pocket PC 2003
Microsoft IE Smartphone 2003
Palm OS 5.0 +
Netfront Browser 3.0 +
KDDI Openwave 6.2.0.12 +
Brew
Opera Mini 3.0 +
Opera Mobile 6.0 +
NTT / DoCoMo
Sony Playstation Portable
Sony Playstation 3
Nintendo Wii

Extended Validation Browsers:

Microsoft Internet Explorer 7 + (Vista)
Microsoft Internet Explorer 7 + (Windows XP)
Opera 9.5 +
Firefox 3 +
Apple Safari 3.2 +
Google Chrome 1 +

Server Platforms

Apache
BEA Weblogic
C2Net Stronghold

cPanel / Web Host Manager
Ensim Control Panel
Hsphere
IBM HTTP Server
iPlanet Server / Sun One
Java Web Server (Javasoftware / Sun)
Lotus Domino
Microsoft IIS
Microsoft ISA
Microsoft Live Communication Server
Microsoft SQL Server 2005
Netscape Enterprise Server
Novell ConsoleOne + Novel Webserver
OpenLDAP
Oracle HTTP Server
Plesk
Tomcat
Webmin
WebSTAR
Zeus Web Server
All other SSL-Capable Server Platforms

Email Clients (S/MIME):

Microsoft Outlook 9.0+
Microsoft Entourage (OS/X)
Mozilla Thunderbird 1.0 +
Microsoft Outlook Express 5 +
Qualcomm Eudora 6.2 +
Lotus Notes (6 +)
Mail.app (Mac OS X)
Microsoft / Windows Mail 1.0 + (Vista)
The Bat 1 +

Application Suites:

Microsoft Authenticode
Visual Basic for Applications (VBA)
Adobe AIR
Sun Java SE 1.4.2 +
Mozilla Suite 1.0 +
Sea Monkey

Document Security Platforms:

Microsoft Office (Word, Excel, Powerpoint, Access, InfoPath)

About Comodo

The Comodo companies create the infrastructure that is essential in enabling e-merchants, other Internet-connected companies, software companies, and individual consumers to interact and conduct business via the Internet safely and securely. The Comodo companies offer PKI SSL, Code Signing, Content Verification and Email Certificates; award winning PC security software; vulnerability scanning services for PCI Compliance; secure email and fax services. Continual innovation, a core competence in PKI, and a commitment to reversing the growth of Internet-crime distinguish the Comodo companies as vital players in the Internet's ongoing development. Comodo secures and authenticates online transactions and communications for over 200,000 business customers and 10,000,000 users of our desktop security products.

For additional information on Comodo – Creating Trust Online™ visit www.comodo.com

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