

**C·O·M·O·D·O**  
Creating Trust Online™

# Overview of Comodo Certification Authority(CA)

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# Comodo CA - Fast Facts

➔ Comodo Issued over 43,000 High Assurance SSL certificates in 2007 more than double the number of our nearest competitor Verisign

## Comodo: The World's Second Largest Certification Authority

A leading global provider of Identity and Trust Assurance services on the Internet protecting over 100,000,000 online customers.

Certification Authorities, who provide authentication solutions for communicating and conducting business online, are a key link in the Internet security chain.

Certification Authorities act as a trusted third party whose purpose is to securely sign certificates for network entities it has authenticated using secure means. Other network entities can then check the signature to verify that a CA has authenticated the bearer of a certificate. The most common operational model illustrating this is the SSL certification and issuance business. This is where Comodo has created new technologies, processes and support to operationalize and secure SSL certification delivering high quality, high assurance certificates at a significant price reduction versus the historical market leader. The result; Comodo is today the world's fastest growing and second largest Certification Authority setting the standards for next generation SSL certificates.

## Comodo Fast Facts

- Founded in 1998
- Headquartered in NJ USA with global operations centres in the U.K, Japan, China, India and the Ukraine
- 250 + Employees
- A fully accredited AICPA/CICA WebTrust compliant Certification Authority – the highest globally-recognized standard.
- 12 highly trusted public root certificates under ownership embedded within all major Web Browsers.
- Comodo controls more than one-quarter of the worldwide digital certificate market.
- One of the most diverse and largest portfolio of PKI-based digital certificates.
- The only major independent SSL provider outside of the Verisign group of companies.
- Founding members of the Certification Authority Browser Forum, a consortium of CAs and browser industry leaders that created the next generation of SSL certificates: Extended Validation (EV) SSL
- Securing more than 100,000,000 businesses and individuals worldwide.
- 10,000 + Global partner network
- Over 1 million digital certificates issued.
- Comodo customers include: 7 of the top 10 fortune 1000, 5 of the top 7 U.S. universities, the top 2 global software providers, and 2 of the top 20 financial institutions.
- Award winning Trust Logo programme - enables realtime verification of more than 500,000 websites.

# Comodo SSL - Fast Facts

➔ Trusted by over 99.3% of all current browsers comprising all Internet Explorer 5.01 and above, Firefox 1 and above, AOL 5 and above and Opera 8 and above.

Comodo offers the widest portfolio of high quality SSL certificates to meet the needs of every business. Whether you need SSL to establish trust, meet compliance requirements, or simply to secure a webserver, Comodo SSL certificates offer you the highest levels of encryption, authentication and security.



## Comodo SSL certificates offer:

- 99% Browser compatibility.
- Comodo's root certificates are inherently trusted by all major Web Browsers
- Highest industry standard 128/256 bit encryption
- X.509 industry standard.
- High assurance validation (both domain and entity vetting)
- Extended Validation (EV) SSL certificates for next generation web browsers such as Internet Explorer 7
- SGC (Server Gated Cryptography) capable SSL certificates, enabling strong encryption to over 99.9% of website visitors.
- Full warranty (Up to \$1mil US)
- 30 day money back guarantee
- Unlimited re-issuance policy
- Free Trust Logo included with all SSL certificate purchases
- Smartphone/micro browser support.

# Comodo Root Certificates

99.3% of internet users inherently trust Comodo certificates.

➔ Comodo has a total of 12 highly trusted root certificates under ownership

- Comodo root certificates are trusted by over 99.3% of all current browsers comprising all Internet Explorer 5.01 and above, Firefox 1.0 and above, AOL 5 and above and Opera 8 and above.
- The UTN and AddTrust root certificates employ 2048-bit keys.
- The signature algorithm used to sign the UTN and AddTrust root certificates is "SHA-1 with RSA Encryption". SHA1 is recognized as the strongest available standard.

# New Emerging Certificate Types

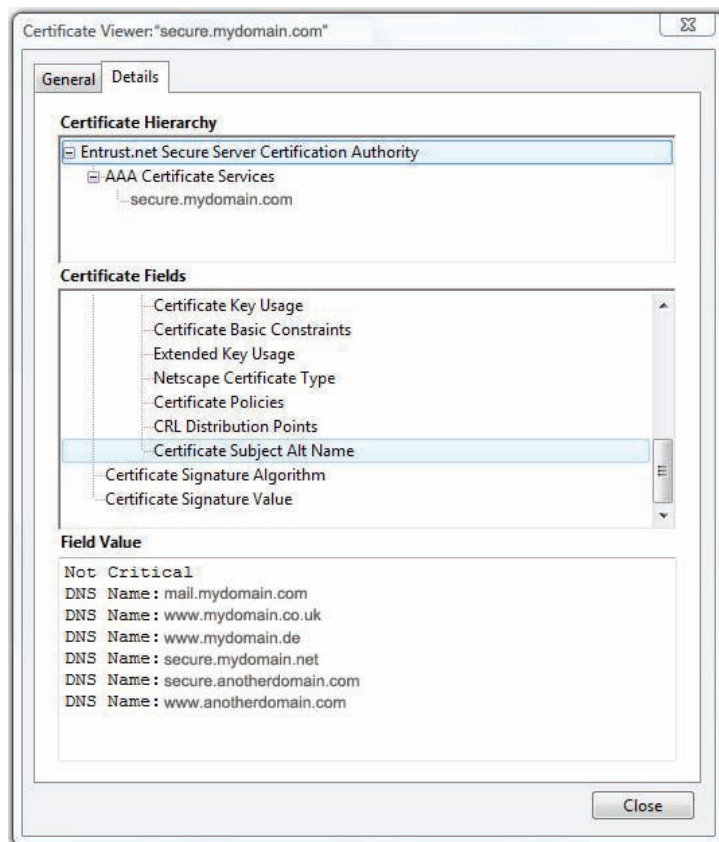
➔ Multi-Domain SSL certificates secure multiple websites within a single certificate.

## Multi Domain SSL Certificates

Multi-Domain SSL certificates (MDC's) allow enterprises and web hosts to secure multiple websites by including up to 100 domains within a single certificate.

Enterprises can consolidate all their secure domains into a single certificate.

For example:  
*secure.mydomain.com*  
*mail.mydomain.co.uk*  
*www.mydomain.de*  
*secure.mydomain.net*  
*www.anydomain.com*



## Microsoft Unified Communications Certificate (UCC)

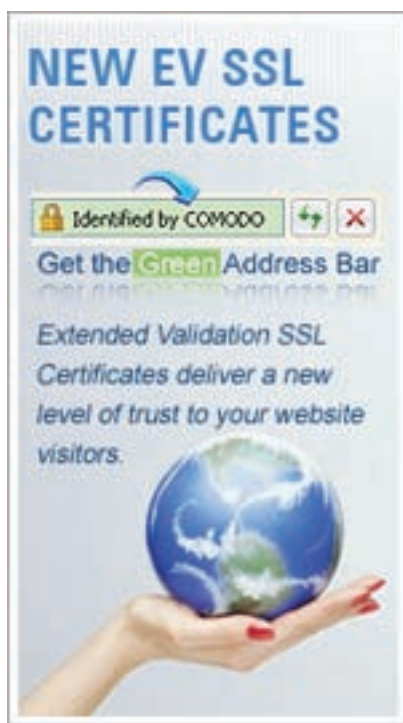
Microsoft approved SSL certificate specifically designed for use with Microsoft Exchange Server 2007, Office Communications Server 2007 and Microsoft Live Communications Server UCCs enable secure client access from the Internet and support the domain security feature SAN (Subject Alt Name) attribute required by Microsoft Exchange Server 2007 whereby multiple FQDN may be added to each certificate. Each certificate is fully validated (domain name and business entity).



## Intel Pro Series SSL Certificate

Intel approved SSL certificate specifically designed for use with Intel® vPro™ processor technology-based PCs and Intel® Centrino Pro processor technology-based notebooks. Intel Pro Series SSL certificates provide authentication and encryption for the remote configuration of Intel® vPro™ processor technology based PCs and Intel® Centrino Pro processor technology based notebooks. Each certificate contains a unique value in ECU field and is fully validated (domain name and business entity), provides a high level of trust and authentication.

# Extended Validation SSL



With the advent of Extended Validation SSL certificates in next generation web browsers such as IE7, Microsoft have introduced an added complication. In order to get IE7 on Windows XP to show the EV green bar, each CA (Certification Authority) that sells EV SSL certificates has had to issue a new root certificate. These new root certificates will not automatically be installed on end-users' systems, and the EV green bar will NOT be seen until they are somehow installed.

## What makes Comodo different from any other CA, i.e. Verisign?

Comodo EVAUTO Enhancer™ for IIS and Apache.

## What is Comodo EV AUTO-Enhancer™?

Comodo's patent-pending EV AUTO-Enhancer™ automatic EV deployment and maintenance technology is able to install Comodo's EV root certificate automatically on your customer's computers. No need to install a patch from Windows update and no need to modify any webpages. In addition, Comodo's EV AUTO-Enhancer™ guarantees to give your customers the EV green bar immediately in IE7 (and next generation EV capable browsers), even if they have JavaScript disabled in their browser!

# Comodo's Extended Validation SSL offering (EV)

➔ Comodo's a founding member of the Certification Authority Browser Forum, a consortium of CAs and browser industry leaders that created the next generation of SSL certificates: Extended Validation (EV) SSL

## EV SSL Certificates

- **FREE EV AUTO-Enhancer™** ✔ From **\$359.00** per year
- Automatic EV deployment and maintenance technology worth \$1,500
- Appropriate for renewals and upgrades
- 128 bit industry standard SSL certificate
- Recognized by all popular browsers
- 99.3% browser compatability
- **FREE EV Corner of Trust** worth \$119
- **FREE Hacker Guardian vulnerability scan**
- **\$250,000 Warranty**
- Fully validated
- Free phone priority support
- Dedicated account manager
- 30 day refund policy
- Unlimited reissuance
- Email and web support

# Comodo SSL Compatibility

## Desktop Browsers:

- Microsoft Internet Explorer 5.01 +
- KDE Konqueror
- Netscape 4.77 +
- Firefox 0.1 +
- Mozilla 0.6 +
- AOL 5 +
- Opera 8 +
- Safari 1.2 +
- Camino 1.0+

## Additional Applications:

- Google Checkout
- Sun Java 1.4.2
- SeaMonkey

## Extended Validation SSL:

- Internet Explorer 7: (Vista)
- Internet Explorer 7: (XP)
- Mozilla Firefox 3

## Micro Browsers /PDAs.

- Microsoft Windows Mobile/ CE 6.0 +
- Microsoft Windows Mobile 2003\*\*
- NetFront Browser v3.4 +
- RIM Blackberry v4.2.1 +
- KDDI Openwave v6.2.0.12 +
- Apple iPhone
- Opera Mini v3.0
- Sony Playstation Portable
- Sony Playstation 3
- Netscape Communicator 4.51+
- Microsoft and Windows Mail (Vista)

## Email Clients (S/MIME):

- Microsoft Outlook 99+
- Microsoft Outlook Express 5+
- Mozilla Thunderbird 1.0+
- Qualcomm Eudora 6.2+
- Lotus Notes (6+)
- Mail.app (Mac OS X)

## 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 (Javasoft / Sun)
- Lotus Domino
- Microsoft IIS
- Microsoft ISA
- Microsoft Live Communication Server
- Microsoft Office Communication Server
- Microsoft SQL Server 2005
- Netscape Enterprise Server
- Novell ConsoleOne + Novel Webserver
- OpenLDAP
- Oracle HTTP Server
- Plesk
- Tomcat
- Webmin
- WebSTAR
- Zeus Web Server

\*\* Greater Ubiquity for Mobile devices certs issued off Entrust Secure Server CA

# Benefits of partnering with Comodo

➔ SSL certificates allow you to increase your sales revenues as well as provide an essential value added service to your customers who require encryption and authentication.

➔ Widest portfolio of highly trusted SSL certificates available

## Provide an additional and renewable annual revenue stream with minimal effort

- Align your business with one of the fastest growing and most trusted brands on the Internet.
- Comodo provides the widest portfolio of highly trusted and cost effective digital certificates available.
- Take advantage of the industry's most advanced turnkey SSL certificate partner programmes to put you in control of your customer's certificate requirements including; white labelling/co-branding opportunities, registration authority (RA) features, automated domain/SSL audits, full API support, certificate lifecycle management tools and unparalleled support.
- Enterprise PKI management systems designed to simplify the often complex task of managing your organization's digital certificate portfolio.
- All Comodo partners have access to Comodo's entire range of internet security solutions spanning, award winning desktop applications, PCI/vulnerability scanning services, consumer feedback/rating programmes and website identity assurance tools.

## CA Global Growth – January 2008

“Verisign has dominated the certificate market for many years. Most third party certificates are obtained from Verisign and its subsidiaries. Apart from its premier "Verisign" brand, Verisign retains several other major brands, including its subsidiary Thawte (Thawte was originally a separate company, which was bought by Verisign in 1999), and the Equifax brand (from the acquisition of GeoTrust in 2006).

Comodo are the second largest and fastest growing issuer of certificates. Like Verisign, they issue certificates under multiple brand names.”

Certificate Authority	Market Share	Total January	Total December	Annual Gain 07
Verisign	56.32	240,857	262,408	21,551
<b>Comodo</b>	<b>23.79</b>	<b>66,811</b>	<b>110,309</b>	<b>43,498</b>
Other	11.75	29,293	52,421	23,128
Network Solutions	3.88	7,356	17,616	10,260
Entrust.net	2.49	10,444	11,513	1,069
Go Daddy	1.76	5,520	8,069	2,549

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# Comodo Partner Program Brief Benefits Summary



- Zero Commitment – PAYG packages available.
- API, integration available.
- 24 / 7 / 365 telephone support.
- Tier2 resellers franchise support.
- Registration Authority (RA) licensing.
- Discounted pricing on RRP for volume partner accounts.
- Easy to use online management system. Conduct the entire application, issuance and installation of your customer's SSL certificate's.
- Real - time certificate issuance
- Banding system to allow you to benefit from increased discounts on higher commitments.
- Top up your account at any time to keep on top of your own success ongoing opportunity to capture recurring product sales

## Enterprise Public Key Infrastructure (EPKI)

Comodo's EPKI manager is a scalable enterprise-class digital certificate management platform that enables organizations of all sizes to simplify the often complex task of managing their digital certificate portfolios. EPKI manager supports multiple administrators with advanced privilege level hierarchies, registration authority (RA) licensing for real-time certificate issuance, certificate lifecycle management tools to facilitate ease of certificate request, renewal, revocation and re-issuance in addition to full reporting capabilities.

### Key features of the Comodo EPKI Manager:

- Fully managed PKI solution – no additional hardware or software required.
- Lowest TCO guaranteed.
- Highly scalable platform for organization-wide multiple administrator certificate deployment.
- Simplifies certificate lifecycle management challenges.
- Registration Authority (RA) support for real-time certificate issuance.
- Full reporting capabilities.
- SSL, s/mime/client, code signing and Extended Validation (EV SSL), certificate types supported.

# Comodo Affiliate Program Overview

➔ Generate immediate and recurring revenues by offering Comodo's highly successful range of SSL certificates and vulnerability scanning services

Comodo's highly successful affiliate program provides organizations of all types with a quick and easy solution designed to offer Comodo's diverse portfolio of industry leading SSL certificates and other identity & trust assurance services. With no integration or development work required, you can start offering your customers the highest industry standard SSL certificates, PCI Vulnerability Scanning and desktop security solutions available whilst, realizing immediate revenues and margins traditionally only available to the industry's high volume SSL resellers.

By simply selecting the Comodo products that you wish to offer your customers, Comodo affiliate partners have the power to build their own fully customizable suite of SSL & identity trust assurance products enabling you to immediately diversify your product portfolio and offer your customers the most trusted SSL certificate solutions available.

## Comodo Affiliates - Features



**“Fast, hassle free setup with immediate long term revenues”**

With Comodo handling all necessary backend infrastructure, payment, provisioning and technical support components, Comodo affiliate partners benefit from a “Zero Touch” system allowing you to focus on your core business whilst enjoying the benefits of aligning your brand with a trusted provider.

- Further enhance your brand and product portfolio instantly!
- Immediately start generating a new and recurring revenue stream.
- Zero touch integration
- Up to 50% commissions paid
- Full reporting capabilities and management tools to monitor their success
- No upfront payments
- No overheads

Comodo will handle the rest of the process including billing, provisioning, support and track all orders originating from your website and pay referral fees on all completed sales.

It's that easy.

# Comodo Trust Logos Features



**Point to verify™**  
Enables visitors to establish trust



Pop up credentials

## Point to verify™

Point to verify™ technology is an essential trust tool which provides an extra level of assurance to your webiste visitors resulting in improved site conversion and reduced abandonment rates.

Comodo's Trust Logo is the only site seal with active user feedback - a unique patented Comodo innovation .

Comodo Trust Logos automatically encourage real-time end user verification in a quick and easy fashion.

- Point to verify™ technology
- Eye catching design
- Unique, domain wide logo
- Unlimited verifications
- Trusted third party validation
- Time stamp technology
- Extended site credentials
- Boost conversion rates
- Scrollbar independent
- Unique feedback facility
- Point to verify™ and click statistics

## ROI (Return on Investment)

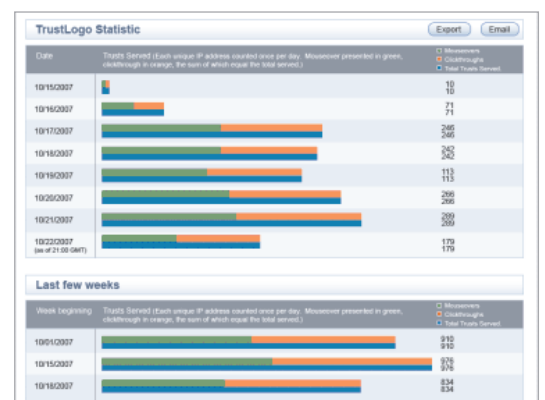
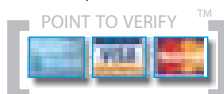
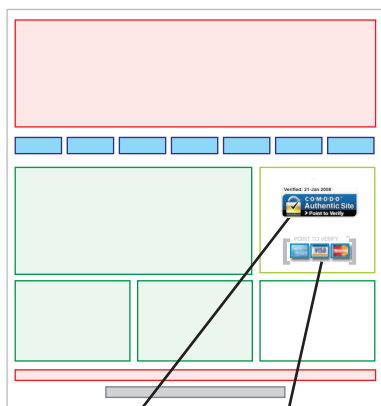
The Trust Logo active feedback mechanism allows you to report on how many times your webiste visitors have verified your Trust Logo credenetalis before engaging in a transaction.

The more people who verify you, the more they will trust and the more your revenues will increase!

Active trust feedback mechanism

More customers trust = More customer conversions = Higher ROI

- Use your Point to verify™ and click statistics to find the optimum positioning for your Comodo Trust Logos, Card Payment Logos and Hacker Proof Logos.



# Comodo OEM Program – Powered SSL



Transparent white labeled reselling



Comodo's Powered SSL programme is the industry's first SSL certificate white labelling programme.

Powered SSL allows you to provide privately labelled SSL certificates and branded Trust Logos to your customers, ensuring your brand value is increased and your current product offerings enhanced.

Powered SSL gives organizations the ability to use the strength of their own brand to sell SSL certificates to their customer base.

Comodo operate the entire backend Certification Authority including high availability secure redundant server systems, high speed FIPS certified signing devices, backup and customer support.

All SSL certificates issued are fully supported by Comodo's industry leading customer support department.

As a Powered SSL partner there is no need for you to invest in expensive hardware, software and Certification Authority management costs associated with offering your own privately branded certificate solutions. Powered SSL allows you to use Comodo's established infrastructure to issue your own SSL certificates to your customers whilst leveraging the power of your brand.

## Powered SSL - Features

➔ Powered SSL gives organizations the ability to use the strength of their own brand to sell certificates to their customers.

- Offer your own range of high quality SSL certificates and further leverage your brand.
- Generate greater revenues through full control over certificate profiles and price points.
- Fully integrate SSL certificates into existing product offerings platforms
- Offer your customers a more cost effective SSL solution with high quality certificates.
- Extremely competitive wholesale discounting which will enable you to compete effectively in the SSL market place yet with a high assurance SSL offering.
- Fully supported solution – Comodo will assist with any validation and support issues.
- Access to Comodo's extensive R&D and development resources.
- Analyze all existing SSL activity on your customers domains through Comodo's domain audit tool which will allow you to accurately promote and target competitors SSL certificates with your new product offering.

# OEM Certification Authority (CA) Offering



➔ Leverage your Certification Authority even further by offering your customers the ability to join as a trusted reseller of your brand of SSL certificates.

Comodo's OEM Certification Authority (CA) offering empowers organizations to become their own CA, allowing them to offer an essential security product required by millions of customers to conduct e-commerce safely and securely.

By chaining to Comodo's highly trusted public root CA certificates which are compatible with all major Web Browsers, organizations can issue their own range of SSL, code signing and secure email certificates to their customers whilst further leveraging their product portfolio and reputation as a trusted provider.

## Leverage and Harness your Brand Power

➔ As your own CA organizations have the ability to use the strength of their own brand to sell SSL certificates to their customer base.

The OEM Certification Authority offering allows you to provide branded SSL certificates and branded Trust Logos to your customers, ensuring your brand value is increased and your current product offerings enhanced.

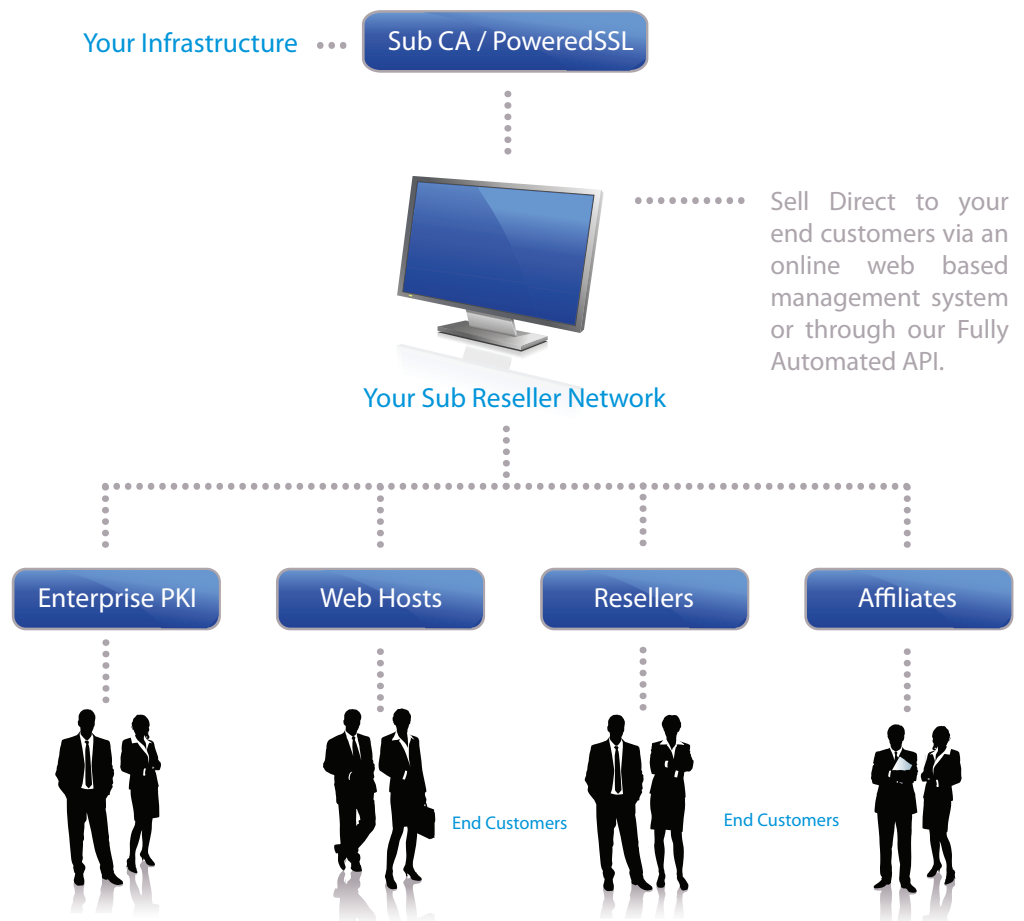
Comodo operate the entire backend Certification Authority including high availability secure redundant server systems, high speed FIPS certified signing devices, backup and customer support.

All SSL certificates issued are fully supported by Comodo's industry leading customer support department.

As an OEM Certification Authority partner there is no need for you to invest in expensive hardware, software and Certification Authority management costs associated with offering your own privately branded certificate solutions. Allowing you to use Comodo's established infrastructure to issue your own SSL certificates to your customers whilst leveraging the power of your brand.

# Overview of Tier 2 Franchise System

- ➔ The first fully-managed system of its kind, the Comodo Powered SSL franchise system enables you to:
- ➔ Set up your own reseller network
- ➔ Utilize your own brand to generate revenue from your reseller channels



## Webtrust Compliancy



Comodo is a fully accredited AICPA/CICA Web Trust compliant Certification Authority the highest globally recognized standard + WebTrust for Certification Authorities – Extended Validation Audit Criteria.

- Operating under a stringent Certificate Practice Statement.
- Redundant system (backup)
- Physical secure environment.
- Use IBM 4758 FIPS-140-4 Level 4 devices for digital signing.
- Comodo root certificates included in future browser releases (Auto update)

### Accreditation Focuses on:

- CA Key Usage
- CA Key Destruction
- CA Key Archival
- CA Public Key Distribution
- CA Cryptographic Hardware Life Cycle Management
- Key Life Cycle Management Controls
- CA Key Generation
- CA Key Storage, Backup and Recovery

# Reference Sites Utilizing Comodo Solutions:



# OEM The Comodo Firewall Pro Providing Increased Brand Awareness



FirewallProfessional



1,250,000 new installations every month.  
Available in 13 Languages

## Matousec:

Matousec found that it offered the highest level of "anti-leak" protection -- in essence, a measurement of a firewall's effectiveness. Comodo offers true two-way firewall protection, is extremely configurable, and unlike most other firewalls, gives you a great view into your system and Internet connection as well.

## Download.com (Cnet):

"Comodo Firewall Pro is a solid, state-of-the-art firewall with little reason left to ignore it. Providing a smorgasbord of information and options for advanced users, simple enough for beginners, and yet runs smoothly and silently in the background, Comodo is a prime example of what a program that mucks about with your Internet connection should be like."

## PCMag.com (PC Magazine):

Comodo Firewall Pro 3.0 is all things to all people. It can act as a simple personal firewall that handles only the basic functions. It can broaden its protection to many critical system areas (with a concomitant rise in the number of pop-up queries). And a super-techie can tweak just about any part of it. Best of all, it's free! It remains PC Magazine's Editors' Choice for free firewall protection.



# About Comodo

Comodo is a leading global provider of Identity and Trust Assurance services on the Internet, with over 100,000,000 customers worldwide. Headquartered in Jersey City, NJ with global offices in the US, UK, Ukraine, China and India, the company offers businesses and consumers the intelligent security, authentication and assurance services necessary to ensure trust in online transactions.

As a leading Certification Authority, and in combination with the Digital Trust Lab (DTL), Comodo helps enterprises address digital ecommerce and infrastructure needs with reliable, third generation solutions that improve customer relationships, enhance customer trust and create efficiencies across digital ecommerce operations. Comodo's solutions include SSL certificates, integrated Web hosting management solutions, web content authentication, infrastructure services, digital e-commerce services, digital certification, identity assurance, customer privacy and vulnerability management solutions.

For additional information on Comodo – Creating Trust Online™

please visit [www.comodo.com](http://www.comodo.com)

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