



Overview

# Comodo Certificate Manager

## Streamlined Tracking and Management of Enterprise Certificate Lifecycles, Security and Compliance

Loss of control over SSL certificate inventory can compromise a business by introducing unnecessary security risks, interrupting revenue streams and damaging brand integrity.

SSL certificates play a vital role in nearly all online transactions, ensuring a secure, trusted connection between a browser and a website. They enable the safe transmission of data, login information, and other key components of the Internet-facilitated amenities on which we've come to depend, such as online banking, bill paying and shopping.

The security provided by SSL is dependent upon encryption, a process that is extremely reliable when properly configured, but which can suffer from dangerous vulnerabilities if its implementation is not effectively managed. Business security is too often compromised by a lack of automated certificate management tools. Attempts to manually track and monitor multiple certificates from various vendors can result in error and mismanagement, leading to missed renewals and expired certificates. Expired SSL certificates could have severe repercussions. It takes just one expired certificate to cause a data breach that fatally damages brand integrity. Browser error messages due to expired certificates lead to customers abandoning their shopping carts, which causes lost revenue.

Along with streamlined SSL certificate organization and tracking, robust public key infrastructure (PKI) management is a business essential. Effective enterprise certificate management protects against data breaches, failed audits and costly unplanned downtime.

Developed in partnership with several Fortune 500 companies to efficiently, consistently and securely manage large volumes of digital certificates, Comodo Certificate Manager (CCM) is the solution to these common – and costly – enterprise challenges.

### The Solution – Automated SSL/PKI Certificate Management from the Industry Leader

A centralized certificate management system provides an enterprise with a secure, reliable and consistent organizational structure for its ever-growing portfolio of SSL certificates – streamlining certificate management and reducing administration time and costs.

CCM is the industry-leading, fully-integrated, automated enterprise solution, designed to simplify digital certificate issuance and lifecycle management. Through its advanced capabilities, CCM provides your business the ability to self-administer, instantly provision and control all SSL certificates.

Comodo leads the SSL certificate industry as an originator of the Certificate Authority/Browser (CA/B) Forum, a consortium of CAs and Internet browser providers that develop guidelines to govern the issuance and management of CAs. Comodo has been a pioneer

### Primary Challenges

- Expired SSL certificates go unnoticed, which can lead to security breach, shopping cart abandonment, interruptions in production, customer dissatisfaction and brand damage resulting from browser error messages.
- Security needs are becoming increasingly complex as cybercrime increases its capabilities. Establishing the website operator's validity via a secure validation system is, therefore, essential to safeguard assets and ensure brand protection.
- Technical expertise is required to apply for and install certificates, necessitating investment of time and resources.
- Holding certificates from various vendors complicates organization; without a central portal, a significant amount of human capital and their time are required to track and renew all SSL certificates.
- Certificate auditing is difficult and records are often kept on a single, ill-maintained spreadsheet, which can lead to mismanagement and lapsed renewals, as well as a security issue on its own.

### Solution

#### Comodo Certificate Manager (CCM)

#### Benefits of Utilizing CCM

- Auto Discovery imports all existing certificates – regardless of Certificate Authority (CA) provider – and consolidates them into a centralized portal, streamlining certificate management and eliminating the possibility that individual certificates fall through the cracks.
- CCM supports scheduled auto enrollment and auto installation of certificates on web servers.
- S/MIME certificates provide encryption for corporate email and offer two-factor identity authentication for employees – affording an additional level of security to business assets and integrity.
- CCM's dashboard provides a comprehensive picture of the current state of an enterprise's certificates and automates the certificate renewal process by issuing notifications to administrators when any certificate requires attention. CCM can also be configured to enroll and install SSL certificates automatically.
- CCM integrates with Microsoft Active Directory to provide auto enroll IIS web server and to deploy client certs to users.
- CCM optimizes workflow by reducing the time and effort required to manage certificate lifecycles.

in certificate management since the founding of the CA/B Forum in 2005 and is the global market share leader. According to a research published in July 2015 by w3techs.com, an independent IT market research firm, Comodo is the number one digital CA in the World with 36.4% market share.<sup>(1)</sup>

## Key Features of CCM

### Auto Discovery

#### **Comodo streamlines SSL certificate discovery, facilitating certificate management**

Enterprises that own SSL certificates issued by a variety of CAs must log into various vendor portals to monitor each certificate's lifecycle. Manually collecting detailed information on SSL certificates purchased at different times from different CAs is tedious, time consuming and error prone, which complicates the challenge that administrators face when attempting to create an overall inventory.

CCM's Auto Discovery feature simplifies this process. After conducting a comprehensive scan of external (as well as internal) networks to discover every certificate regardless of the issuer, CCM automatically imports all relevant information, bringing the entire certificate inventory under central control and offering the administrator a comprehensive view of all certificates.

CCM's Auto Discovery feature provides vital details about each certificate, including:

1. The location of each SSL certificate (on both internal and external networks)
2. The name of the CA that issued each SSL certificate
3. The date each SSL certificate is set to expire
4. Whether any certificates suffer from weak keys (as of January 2014, keys must be 2048 bit or higher)
5. Scheduled scans to repeat on a recurring basis

### WebTrust Certification

#### **Comodo's CA Infrastructure is WebTrust certified by Ernst & Young**

CCM is a proven and thoroughly trusted global solution for enterprise certificate management. Comodo's CA infrastructure is WebTrust certified by Ernst & Young, negating the need for your business to invest in the capital-intensive expenditures required to establish and manage a highly secure key storage facility. CCM creates an efficient, productive and secure business environment that allows you to issue SSL certificates for use within internal and external networks, websites, and email systems.

Many organizations have turned to self-signed certificates in an effort to cut costs, only to discover that DIY CAs necessitate greater total cost-of-ownership expenditure than initially anticipated. In addition to significant overhead, self-signed certificates require trained, dedicated personnel to provision, track and renew certificates. Manual CA management makes businesses vulnerable to the risks associated with unreliable and ineffective monitoring such as unexpected certificate expiration.

### Quick, Easy and Cost-Effective

#### **Comodo allows businesses to save money on security requirements**

Comodo provides industry-leading prices for SSL certificates. CCM offers further discounts on Comodo SSL certificates; enabling quick, easy and cost-effective fulfillment of multiple certificate requirements for distributed systems and personnel, as well as load balancing requirements.

<sup>(1)</sup> Based on SSL Certificate Authority data from w3Techs.com, as of July, 2015 [http://w3techs.com/technologies/overview/ssl\\_certificate/all?key5sk0=2128&key5sk1=90cbe70b76af0eade56d87104838478b8cf43d7a](http://w3techs.com/technologies/overview/ssl_certificate/all?key5sk0=2128&key5sk1=90cbe70b76af0eade56d87104838478b8cf43d7a)

## Rapid Deployment

### **CCM offers fast, customer-focused rollout**

CCM's software-as-a-service architecture enables PKI management within hours. CCM significantly reduces administrative obstacles and time delays; producing clear and immediate improvements to security infrastructure and costs. SSL certificates can be issued immediately through a secure web console, which enables network servers, users, applications, objects and devices to be secured in minutes rather than days. CCM also automates the enrollment process for requesting and issuing SSL, client authentication, and S/MIME certificates – eliminating the hassle of renewing, revoking and applying for new certificates.

## Multiple Administrative Tiers

### **CCM's granular user management offers easy control of access and permissions**

CCM allows authorized parties to add administrators to PKI accounts with little effort. CCM streamlines the process of establishing specific control details and permissions for each administrator, allowing designation of issuance abilities for SSL certificates and/or Corporate Secure Email Certificates, and access to global or local reporting facilities. CCM facilitates granular user management, enabling a master administrator to assign specific permissions to various personnel. Business sectors can be delegated such that management of the certificate assets of a particular department, network, domain or subdomain can be assigned to a specific employee.

## Automated Certificate Lifecycle Monitoring

### **Comodo maximizes certificate management with minimal resource expenditure**

Comodo safeguards businesses from the interruptions associated with manual CA management. CCM is a lightweight tool that provides heavyweight impact. With minimal support and administration, CCM discovers all certificates in the trust chain (root, intermediate and end-entity) and provides pertinent details of each individual certificate including its issuing authority and expiration date. In addition, the "Important Messages" panel displays any certificate or server vulnerabilities. By providing your business with the tools to easily track, monitor and renew certificates, CCM is an invaluable resource that will quickly pay for itself many times over.

## Powerful, Easy-to-Use Interface

### **User interface is designed to create a seamless experience for users**

CCM's user interface has a new simplified look and the same powerful performance to improve user workflows. The new design makes navigation easier than ever and allows users to accomplish important tasks more quickly.

## Intuitive Dashboard

### **CCM's dashboard empowers users with information**

CCM features an intuitive dashboard that conveys key lifecycle information with a series of charts and graphs to make it easier to understand. Users can quickly view the lifecycle of all certificates and easily spot the highlighted items that require action. Moreover, the charts and graphs can be expanded to generate reports that contain detailed information and explanation.

### **Additional Information:**

[enterprise.comodo.com/security-solutions](https://enterprise.comodo.com/security-solutions)

[enterprisesolutions@comodo.com](mailto:enterprisesolutions@comodo.com)

Features	Benefits
Discovery scan	Save time and resources by utilizing CCM's Auto Discovery tool, which automatically imports all existing and future SSL certificates on company websites and internal networks.
Auto enroll and auto install	Schedule enrollment of certificates on Apache or IIS.
Auto import from Active Directory	Save valuable time on setup and provisioning by utilizing CCM's Auto Discovery feature, which eliminates the need to manually add users and also automatically provisions email certificates to AD users.
Automated and configurable email alerts	Receive notifications about requests (administrators) and upcoming expiration notices (certificate owners).
Robust reporting	Access real-time, offline and monthly reports to help manage resources and risk. CCM can easily be configured to report by business unit or cost center.
Two-factor authentication and/or IP address validation	Securely protect administrative account access and console access based on IP address.
Multiple administrative tiers	Create or delegate administrators by: certificate type, department/business unit or lifecycle privileges (ability to order, renew and revoke).
Intuitive dashboard	Easily view the key lifecycle information with charts and graphs and expand the charts and graphs for detailed information.
Powerful user interface	Improve workflows with the newly designed interface with a simplified look and the same powerful performance.
Full range of SSL certificates	Easily manage all certificate types from one console: Extended Validation (EV), Single Domain & Wildcard Certificates, Unified Communications (UC), Email/S/MIME, Code Signing, Client Authentication and Mobile SSL Certificates.
2048-bit signatures used throughout	Conveniently keep your enterprise in compliance with NIST recommendations.
Largest provider of code-signing digital certificates to application developers	Avoid lost sales that result from users seeing a warning stating that your website certificate is not trusted.
World-class support and customer satisfaction	Simplify implementation and setup with expert technical assistance and thorough user guides. Exceptional customer satisfaction, as evidenced by the highest renewal rate in the industry.

# About Comodo

The Comodo organization is a global innovator and developer of cyber security solutions, founded on the belief that every single digital transaction deserves and requires a unique layer of trust and security. Building on its deep history in SSL certificates, antivirus and endpoint security leadership, and true containment technology, individuals and enterprises rely on Comodo's proven solutions to authenticate, validate and secure their most critical information. With data protection covering endpoint, network and mobile security, plus identity and access management, Comodo's proprietary technologies help solve the malware and cyber-attack challenges of today. Securing online transactions for thousands of businesses, and with more than 85 million desktop security software installations, Comodo is Creating Trust Online®. With United States headquarters in Clifton, New Jersey, the Comodo organization has offices in China, India, the Philippines, Romania, Turkey, Ukraine and the United Kingdom. For more information, visit [comodo.com](http://comodo.com).

## Comodo Security Solutions, Inc.

1255 Broad Street  
Clifton, NJ 07013  
United States

## Comodo CA Limited

3rd Floor, 26 Office Village  
Exchange Quay, Trafford Road  
Salford, Manchester, M5 3EQ  
United Kingdom

## Comodo Turkey

Büyükdere Caddesi Yapı Kredi Plaza C  
Blok No:40  
41 Kat 17 Levent, Istanbul  
Turkey

1-888-256-2608

[enterprisesolutions@comodo.com](mailto:enterprisesolutions@comodo.com)