



# RSA® Certificate Manager

Scaling to new heights for secure e-business

## At a Glance

- Independently tested to scale to more than 8 million users per server
- Streamlined certificate enrollment using RSA Digital Certificate OneStep software
- Unique real-time certificate status checking based on OCSP
- Common Criteria EAL4+ certified
- Built on open standards, featuring interoperability with 200+ applications
- Internet-based solution designed to be easy to use and fast to deploy
- Native support for secure e-mail and VPN

Identity Assurance is the set of capabilities and methodology that minimizes business risk associated with identity impersonation and inappropriate account use. Digital certificate authentication is a core capability of an Identity Assurance strategy, which brings confidence to organizations, allowing trusted identities to freely and securely interact with systems and access information, opening the door for new ways to generate revenue, satisfy customers and control costs.

The Identity Assurance portfolio from RSA, The Security Division of EMC, extends user authentication from a single security measure to a continual trust model that is the basis of how an identity is used and what it can do. Trusted identities managed by RSA bring confidence to everyday transactions and support new business models, providing secure access for employees, customers and partners while striking the right balance between risk, cost and convenience. RSA's Identity Assurance solutions apply appropriate access controls that mitigate risk according to the value and criticality of the data, application, identity or transaction.



The Security Division of EMC

RSA® Certificate Manager, a core component of RSA's Identity Assurance portfolio, ensures the security and scalability of e-transactions by providing a flexible, scalable system for managing digital identities. Establishing the trust carried by certificates and managing the use of keys and certificates is critical to the proper deployment and maintenance of e-business applications. RSA Certificate Manager is designed to allow organizations to better develop, deploy and scale secure applications and e-business services by automating and centralizing the management of cryptographic keys and digital certificates.

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## RSA Certificate Manager

RSA Certificate Manager issues, manages and validates digital certificates. It is built to include secure administration, enrollment, directory and logging servers, as well as a Simple Certificate Enrollment Protocol (SCEP) server that provides automatic enrollment for issuing certificates to SCEP-compliant Virtual Private Network devices. It is also engineered to feature a powerful engine for digitally signing end-user certificates and system events, as well as an integrated data repository for storing certificates, system data and certificate status information. RSA Certificate Manager helps organizations define and self-administer their own security procedures, trust relationships, certificate formats and rules for certificate life cycles, which can serve as a foundation for corporate security policies.

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## RSA Registration Manager

RSA Registration Manager works with the Certificate Manager to help streamline the enrollment process for handling large volumes of end-user certificate requests. It is designed to verify the credentials of certificate requests and provide certificates to the requestor. The Registration Manager helps organization set up either remote or local standalone enrollment centers for large user implementations at distributed geographic locations, thereby allowing the organization to scale its certificate management system while moving the approval process closer to the users. This process helps significantly reduce the risk of approving certificates to unauthorized parties.

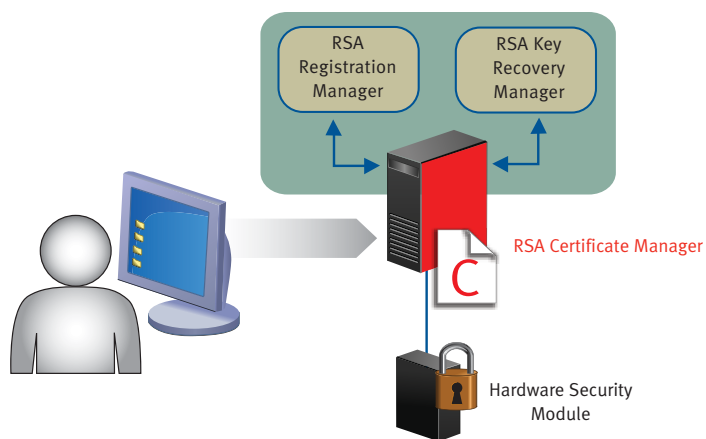


## Scalability Tailored to e-Business

As B2B and B2C e-commerce grows, so does an organization's need to manage risk. It is therefore imperative that companies implement an open, scalable PKI solution that will grow to address these needs. RSA Certificate Manager has been independently tested to scale to more than 8 million users, supporting massive demand for certificate signing operations, PKI queries and large-scale certificate storage and management.

## Exclusive Real-Time Status Checking

Being able to verify the validity of certificates is extremely important to the integrity of a certificate management system. The longstanding method for checking the status of digital certificates has been governed by the use of Certificate Revocation Lists (CRLs) in which applications retrieve a list of revoked certificates at set intervals. An inherent weakness in CRLs, however, is that there is a potential delay before information regarding a revoked certificate is available to the application. With RSA real-time Online Certificate Status Protocol (OCSP) there is no time lag during which users could log on and gain access to the system after their certificate has been revoked – thereby helping eliminate the threat of security breaches from non-valid certificates. RSA Certificate Manager is also built to fully support industry standard CRL formats.



The RSA Key Recovery Manager (an optional component) is designed to provide secure archive and recovery of private encryption keys.



## Common Criteria Certification

The RSA Certificate Manager software is Common Criteria EAL 4+ certified. Common Criteria is an independent, standards-based process for evaluating the security properties of IT products and systems. This is an important achievement for RSA Security as a number of governments and enterprises worldwide now require that IT security products and solutions meet stringent security requirements. EAL 4+ is the highest ranking ever achieved for commercial certificate manager software, indicating maximum security assurance based on strong commercial development practices.

### RSA Certificate Manager Interoperability

- Web browsers
- Third-party LDAP directories
- Smart cards
- Hardware security modules
- Policy management Infrastructure
- e-Mail programs
- Virtual private networks
- e-Business applications

## Secure e-Mail

RSA Certificate Manager is designed to support secure e-mail with industry leading e-mail applications. RSA Certificate Manager enables end users to encrypt and digitally sign important communications – including attachments – so that only intended recipients can access the message. By integrating RSA certificate management software with leading e-mail applications, such as Microsoft® Exchange Server and Microsoft Outlook® messaging and collaboration client, RSA Security helps ensure the confidentiality and integrity of exchanged information.



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