Securing Your Digital Life

Entrust Certificate Management Services

Manage Multiple SSL Web Server Certificates

With the tremendous growth of e-business, you need to secure the digital life of your customers, employees and partners. The first step to securing your digital life and those of your stakeholders is to use Secure Sockets Layer-enabled (SSL) certificates for securing online communications and transactions.

As e-business initiatives spread over intranets, extranets and the Internet, you may find it challenging to manage multiple Web server certificates over multiple SSL-enabled Web servers. You need to simplify the way you purchase, deploy and manage SSL certificates across your organization to help in reducing overall costs and minimize security risks.

The Solution is Entrust Certificate Management Services

The Entrust Certificate Management Service offers four different packages depending on your SSL needs:

- Standard edition - For organizations managing small numbers of SSL certificates;
- Enhanced edition - Powerful administration tools for customers managing large inventories of SSL certificates; and
- Premium edition - Powerful administration tools plus automated lifecycle management for customers managing large inventories of SSL certificates.
- Web Hoster edition - Administration tools for Service Providers that are managing large inventories of SSL certificates for their customers.

Key Benefits of Entrust Certificate Management Service

Standard Edition:

128-bit Security. SSL certificates must enable 128-bit security to protect the confidentiality of information traveling over the internet. This means that the secure session between your browser and server is encrypted with a 128-bit key, sufficient to prevent information from being intercepted and decoded. SSL certificates from Entrust enable 128-bit security.

Key Service Benefits:

- Cost effective due to Certificate re-cycling capabilities

- Easy administration with centralized web-based tools

- Automated SSL Certificate life-cycle management capabilities provided with Premium services

- Rapid Certificate issuance and revocation

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Browser Coverage. SSL certificates should support leading browsers employed by end users. Entrust Certificate Management Service can support a wide variety of browsers.

Trusted Certification Authority. Verifying that SSL certificates are secure and issued to the appropriate organization is critical for the integrity of SSL Security. WebTrust is an organization that provides a certification process for verification of Web sites. The Web Trust seal signifies that such certification process has been conducted and conforms with the applicable Trust Services Principle(s) and criteria.

Rapid Issuance and Status. With Entrust Certificate Management Service, certificate requests are responded to quickly, automatically and with on-line status availability. In addition, because it is not uncommon for requesters to make an error during certificate request, Entrust provides a 30 day re-issuance option that allows the requester to modify or correct the quantity of certificates ordered. This helps to reduce costs incurred from having to re-order certificates that have been initially deployed in error.

Rapid Revocation. Occasionally, SSL certificates must be revoked in order to prevent the organization from undergoing a variety of threats including fraud or damage to their brand. Key revocation is the ability to quickly notify the certificate issuer that a particular certificate needs to be revoked. In such circumstances an updated Certificate Revocation List (CRL) should be published as quickly as possible since it is used by browsers. Entrust provides a self-service interface to enable you to revoke certificates and download the latest CRLs

Enhanced Edition:

The Enhanced edition of Entrust Certificate Management Service includes the standard edition features in addition to the following capabilities:

Easy Administration. Enroll once and request multiple SSL certificates from one Web-based system. Following successful registration and enrollment receive instantaneous turnaround on certificates. Choose variable certificate validity periods ranging from 2 months to 24 months for any of the pre-authorized domains.

Certificate Re-cycling. With Entrust Certificate Management Service, you are able to pre-purchase a number of certificates and "pool" or group them into a re-useable and re-issuable inventory - maximizing the usage of every certificate.

Delegated Administration. Entrust Certificate Management Service provides the capability to delegate administration of the SSL certificates by enabling subordinate levels of administrators. The principal administrator or super-administrator can centrally manage and track SSL certificate activity for themselves and for any established sub-administrators.

Audit and Reporting Tools. You need to have access to detailed records that capture each administrative action as well as a consolidated record of SSL certificate deployment and status. The Enhanced edition provides a comprehensive log history and detailed information on event activity.

Expiry Date Alignment. Rather than have certificates expire all at once, or in a haphazard manner, this service allows you to align dates to meet internal business practices and procedures based on geographic clustering, preventative maintenance requirements for hardware and budgetary periods.

Premium Edition:

The Premium edition of Entrust Certificate Management Service includes the standard edition features in addition to the following capabilities:

Automated Delivery. Following successful registration and enrollment, SSL certificates are issued and then you physically need to install them on the Web servers. There are typically numerous steps that must be performed and this process can span over a much longer period depending on the turn around time of the SSL certificate provider. The Premium edition automates this process so that, without manual intervention, a certificate can be requested, downloaded and installed.

Automated Renewal. One of the most challenging activities for administrators is the monitoring and timely renewal of SSL certificates. Manual methods such as tracking a spreadsheet are typically used to record the expiry date of certificates. As the number of certificates increase, this method becomes more and more prone to error. Rather than rely on manual intervention to initiate the renewal process, The Premium edition begins the process prior to the expiry date. As the administrator, you can specify when the renewal is kicked off and use the same steps as described for automated installation. In addition, you can perform manual renewals at any time.

Policy Controls. Even if certificate management processes are automated, your organization may need to maintain approval and notification processes when large numbers of SSL certificates are being managed by various departments. In addition, your automation of processes must be consistent with organizational policy. The Premium edition can provide you with a high degree of control over the SSL certificates you subscribe for, allowing you to tailor how automated processes behave. For example, you can specify how far in advance certificate renewal should be executed ahead of expiry. In addition, you can require that manual approval be granted for certificate requests.

Auditing and Reporting. The Premium edition provides certificate status as well as administrator activity reports. It provides an easy to read a system snapshot and event monitoring so as to alert you should intervention be required. In addition, detailed audit logs are maintained that record administrator activity as well as register each automated certificate management action.

Web Hoster Edition:

The Web Hoster edition is similar to the Enhanced edition except it is adapted to fit the requirements of Web Hosters. The Web Hoster edition provides the same features as the Enhanced edition in addition to the following:

Client Management. Manage your customers' accounts and their domain name list from one central view. You can add new customers, view, edit (add or remove domains) or deactivate existing customers accounts.

On-demand Services. Manage your customers' accounts quickly and efficiently with enhanced self-service capabilities. All processes are fully automated and enable you and other administrators to request new services such as additional certificates, domains and organizational names online.
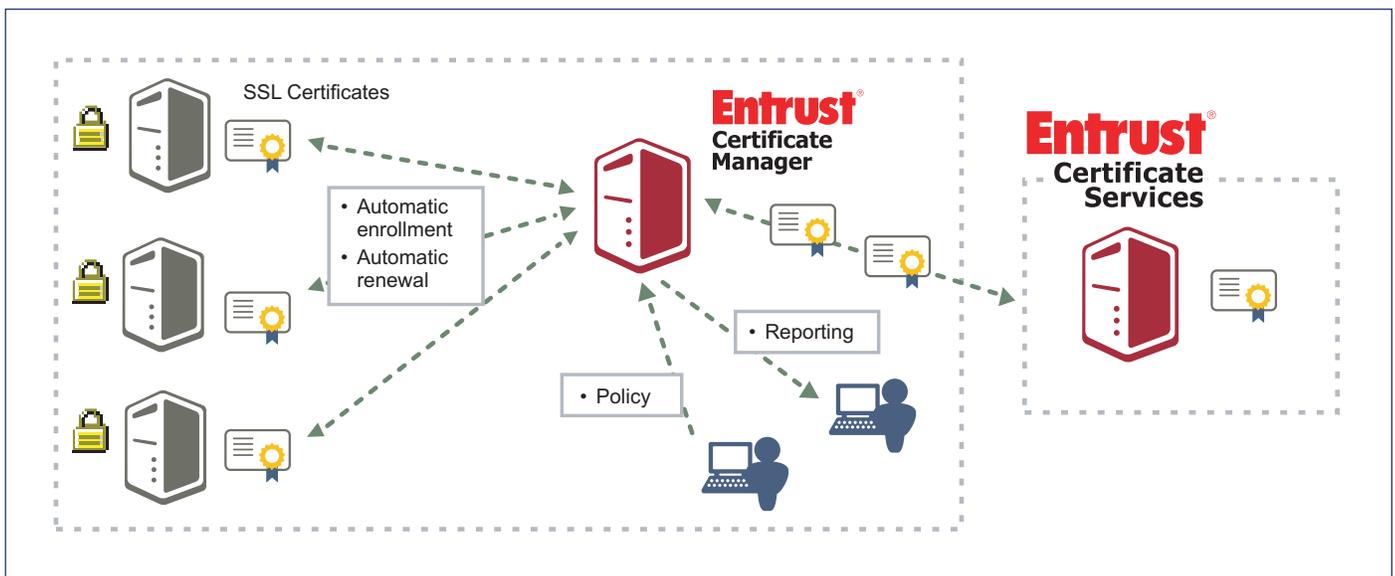
About Entrust

Entrust, Inc. [NASDAQ: ENTU] is a world-leader in securing digital identities and information. Over 1,400 enterprises and government agencies in more than 50 countries rely on Entrust solutions to help secure the digital lives of their citizens, customers, employees and partners. Our proven software and services help customers achieve regulatory and corporate compliance, while turning security challenges such as identity theft and e-mail security into business opportunities. For more information on how Entrust can secure your digital life, please call us at 888-690-2424, or send an e-mail to entrust@entrust.com. Visit us on the Web at www.entrust.com.

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