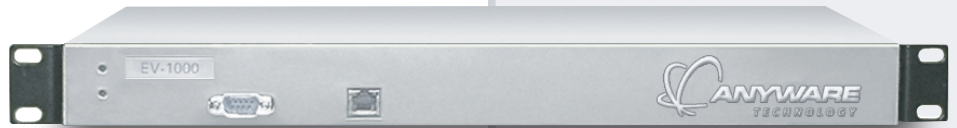




Redefining the Boundaries
of Communication

EverLink CA[®] (Certificate Authority) Server



EverLink Certificate Authority (CA) Server

Trust is Nothing without Control

Recent security breaches have painfully shown IT professionals the inherently weak and risky model of traditional user-name/password authentication. When transmitted over the Internet or any exposed network, user-name and password data is clearly exposed and easily intercepted by today's savvy hacker. Public Key Infrastructure (PKI) technology, by the use of digital certificates, offers the backbone solution to this great security dilemma. The sender will use the receiver's public key to encrypt the data, and the receiver will have his own private key to decrypt the data. In this system, the user's private key signs the data, and his identity is verifiable by his public key. A private key does not pass through the Internet, eliminating the possibility of interception. This guarantees the highest levels of encrypted data transmission coupled with authentication of the sender and recipient.

EverLink CA Server- A True Turnkey Certificate Authority

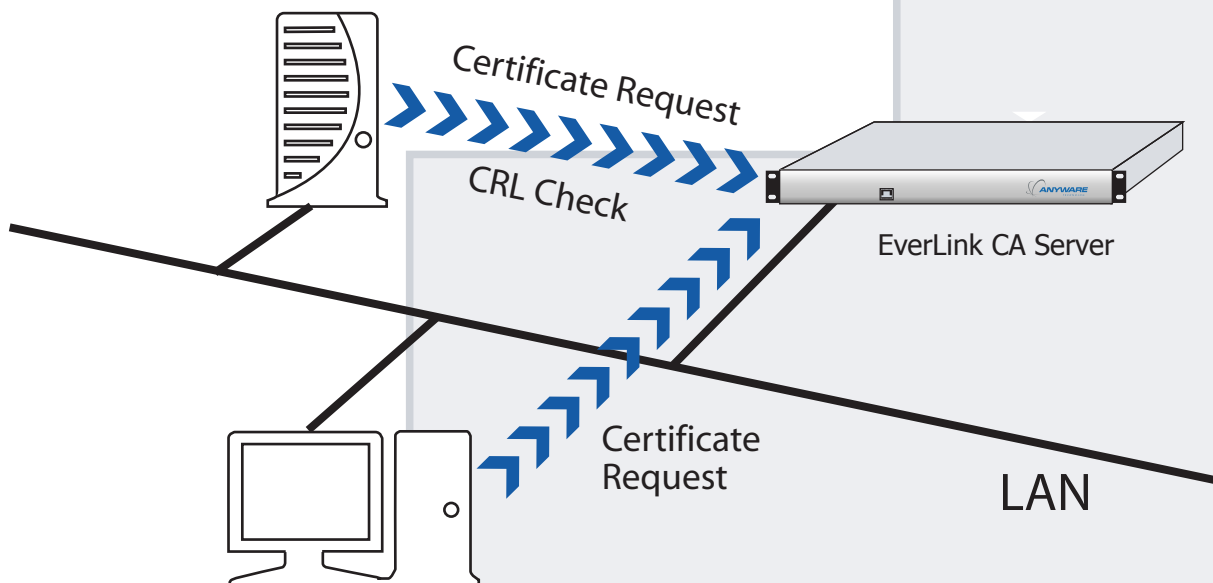
Currently most PKI vendors and products require organizations or users to purchase certificates from them or another certificate authority vendor. These certificates must be renewed on a periodic basis, forcing the customer to outsource trust to a third party. Even worse, these certificates are difficult to configure and even harder to manage by end users within a network.

EverLink CA Server offers a different approach to enterprise PKI solutions. It enables full control over its network security by empowering the organization itself to become a Certificate Authority. Using high levels of process automation, certificate application and management can be handled via an Internet browser. The intuitive interface integrated into the application enables IT managers to issue, revoke, and change certificates quickly and effectively, and also allows end users to apply and use PKI digital certificates in less time, without having to learn a lot of new technologies.

The Gateway offers a secure infrastructure without changing a corporation's existing IT infrastructure. It revolutionizes the mobile workforce by providing employees, vendors, partners and customers with a single, low cost, and easy-to-deploy secure remote access solution.

The Choice for Mission-Critical Applications

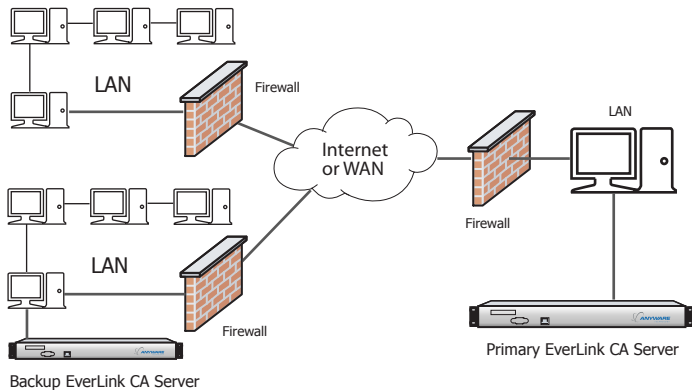
EverLink CA Server is designed for enterprises and organizations of all sizes that wish to upgrade from a traditional username/password authentication system to industry-wide PKI authentication. It provides a trust management foundation for PKI-enabled software applications and allows any server to function as the authorization center for enterprise business application systems. Because the enterprise itself becomes the trusted source, an IT manager has an unparalleled level of control over the end users while empowered with the highest level of security across the network.



EverLink CA Server

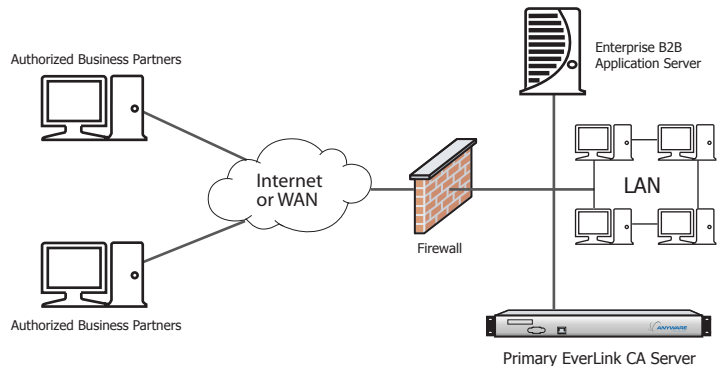
Securely Network Your Network

CA Server provides an easy but powerful tool for an organization to transform a LAN into a secure WAN. This is achieved by securing transactions across the WAN while also providing centralized access control. Even if users move from one LAN to another, the centralized control policy can still regulate access.



B2B E-Commerce Certificate Authority

In an e-commerce setting, EverLink CA Server ensures the non-repudiation of disputed charges and the prevention of fraud. As the certificate authority for enterprise B2B applications, a company can issue certificates to chosen business partners, as if forming a "VIP Club" in the e-commerce world.



Proprietary Public Certificate Authority

EverLink CA Server can also provide public certificate authentication services. Its flexible design, scalability and adoption of international standards allow this server to be easily expanded from an enterprise CA to a public CA.

A High-Availability Solution

On a standard Pentium-based PC, EverLink CA Server easily processed 120 concurrent sessions of certificate applications. In addition, a recent 12-hour user test based upon the same Pentium PC configuration demonstrated CA Server to run without any problems continuously, issuing more than 178,000 certificates at a rate of about 4 per second.

Technical Specification

- CA Server uses the standard PKI X.509 V3 certificate format, with implementation of variant certificate extensions allowing:
- Compatibility with other certificate authority servers
- Supports standard PKI-enabled applications
- Extensions support complex organizational structures and variant software applications
- Multilingual certificate support in Unicode
- Cross-browser (IE and Netscape Navigator) support.

Issues Certificates That Offer Control and Flexibility

- Browser/server structure for both administration and normal usage

- Periods of validity can be precisely defined in hours
- Provides control of user groups
- Supports RSA keys longer than 1024 bit.

Supports various certificate/private-key storage media

- Electronic key:iKey,
- Electronic button:iButton,
- Smart cards that support Microsoft Crypto API and PKCS #11 such as Datakey, Gemplus.

Segmented Certificate Revoking List (CRL) Reduces:

- Server processing time,
- Time of CRL transmission,
- Query response time.

Plug & Play Appliance:

- Easy to install.

SETUP & ADMINISTRATION

- Setup in less than 1 hour
- Setup via Serial Port
- Both console and Web based admin interface
- Complete Documentation:
- Easy and straight-forward documents.
- Backup and restore configuration
- Easy upgrade

PRODUCT SPECIFICATION

General

- Bandwidth
- 1U rack mountable
- Dimension: 19" x 1.75" x 15"
- Weight: 10 lbs
- 1x serial and 1x Ethernet port
- Operating temp: 5°-45°C
- Power: 110/220V autoswitch

Options

- Additional Ethernet port
- Load balancer
- Hot swappable drive for log
- Discless O/S
- Gigabit Ethernet (standard for EV-8000)

EV-1000	EV-2000	EV-4000	EV-8000
10 mbps	20 mbps	40 mbps	200 mbps

