

## What is SecureNetguard?

**SecureNetguard** is a point-to-point network security solution that secures all network transactions and communications with 256-bit SSL (Secure Sockets Layer) and TLS (Transport Layer Security). Apart from protecting the existing clients and servers for large enterprises, it also provides two-way certificate authentication to ensure the authenticity of both the communicating machines. It completely eliminates the threats of potential hackers, sniffers or man-in-the-middle attacks from penetrating the enterprise network and stealing mission-critical information.

SecureNetguard comprises of two major components, namely, SecureNetguard Client and SecureNetguard Server.

### 1. SecureNetguard Client

SecureNetguard Client is usually deployed in the user's machine with the client software. It protects the online information and transactions transmitted over the enterprise network with full-strength SSL/TLS security. It could also be downloaded automatically as a Java applet for web based deployment.

When the outgoing traffic is unsecured, SecureNetguard Client will automatically upgrade the outgoing traffic accordingly and secure the connection to the designated server using SSL/TLS technology.

SecureNetguard Server can be deployed on the server machine itself. Like the SecureNetguard Client, it protects all incoming requests and outgoing traffic with full-strength SSL/TLS security.

### 2. SecureNetguard Server

SecureNetguard Server is developed using the latest Java technology and supports almost all types of

server platforms. It can support any existing or proprietary applications, thereby saving organizations the hassles of investing in huge capital outlays to upgrade their network security.

Besides securing HTTP (Hypertext Transfer Protocol) and further strengthening HTTPS traffics, SecureNetguard also secures standard network protocols like FTP (File Transfer Protocol), telnet (Network Virtual Terminal Protocol), IMAP (InternetMessage Access Protocol), SMTP (Simple Mail Transfer Protocol), POP3 (Post Office Protocol Version 3), Samba/CIFS (Common Internet File System Protocol) and any standard TCP based protocols.

To enjoy greater security, organizations can choose to add an external module like Smart Card to their existing client via SecureNetguard Client or SSL accelerator card or HSM to their server via SecureNetguard server. They can also use this Smart Card & HSM to store the digital certificate and key pairs securely so as to prevent any unauthorized users from accessing or copying the private keys.

## **| An Ideal Solution for Large Enterprises**

### 1. Server to Server Communication

Many large enterprises operate a large number of computer servers that communicate with one another, often transmitting highly sensitive information. Such data transfers are frequently insecure due to using legacy applications or network protocols that do not provide sufficient security protection. Without needing the revamp the applications that are already in use, SecureNetguard can be used to safeguard enterprise valuable assets that are moved among the various servers which are hosted in their enterprise

networks either in the same location or distributed across the Internet.

### 2. Client to Server Communication

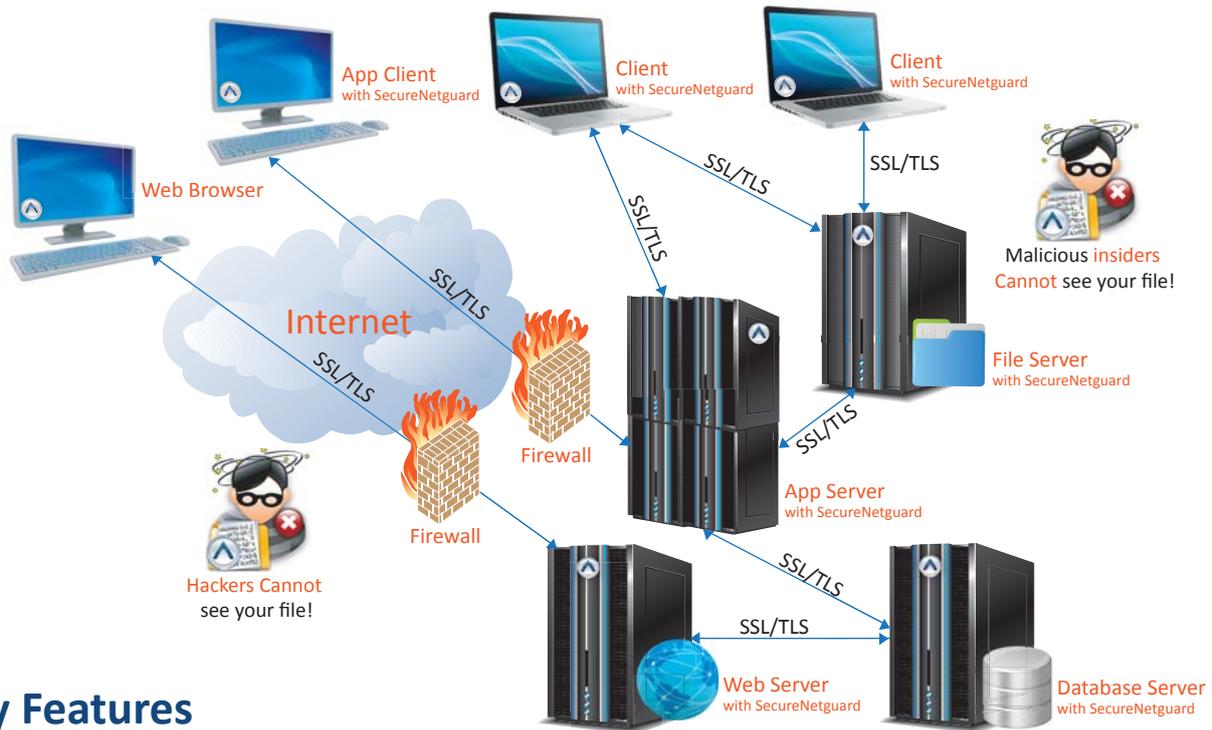
It is now a common sight for employees in large enterprises to transmit or share sensitive documents over enterprise network with their colleagues or business counterparts across the region. With the proliferation of security breaches, it is crucial for organizations to protect the incoming and outgoing network traffic from potential hackers, sniffers and man-in-the-middle. SecureNetguard is the ideal point-to-point

network security solution that secures sensitive documents transiting to and fro between the client terminals and the servers. It gives enterprises peace of mind by eradicating any possibilities of having their privacy and valuable assets being compromised.

Many solutions commonly used by enterprises to move sensitive documents around are not secure by design. These include transferring documents and data to and from network file servers, FTP servers, database servers, and many more. There is no guarantee that sensitive data are not being modified or sniffed when they are travelling across the enterprise networks, either by an active attacker or malicious malware.

SecureNetguard is the perfect security solution for large enterprises that are handling highly sensitive business or customer information. This gives the enterprise the complete assurance that online transactions and data transfers can be securely conducted within the enterprise network or over the Internet with unbreakable protection.

Likewise, government body like the military are sending or sharing highly confidential military related information with one another across the networks. By deploying SecureNetguard, they can be assured that only authorized personnel can access highly confidential military related information over the enterprise network.



## Key Features

- Enables secure communication over any computer network between any two computer terminals.
- Full strength security using 1024/2048/4096-bit public key and up to 256-bit encryption algorithms.
- Developed in the latest Java technology for flexible multi-platform support.
- Protects protocols like HTTP, FTP, telnet, SMTP, IMAP, POP3, SMB/CIFS, etc.
- Smart card and HSM support for certificate and key storage.
- Supports X.509 digital certificates.
- Able to run in GUI (Graphical User Interface) or non-GUI mode.
- Easy to configure.

## Need More Information?

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