



radware

CertainT 100

SSL Accelerator

Radware's CertainT 100 provides users with quick SSL transactions without network degradation. CertainT 100 SSL encryption/decryption capabilities, coupled with the strengths of Radware's award winning traffic management solutions, dramatically increase network performance and ensure the efficient, continuous and secure completion of e-business transactions.

SSL Accelerator

High Performance

The CertainT 100 ensures that customers enjoy high quality, fast and efficient service while performing secure transactions by enabling web servers to operate at peak efficiency. This is accomplished by relieving network web servers of performing the CPU intensive SSL encryption and decryption calculations associated with e-commerce applications. After decrypting SSL traffic, the CertainT 100 forwards it to web servers for transaction completion. SSL acceleration can reach 20,000 transactions per second.

CertainT 100 has unique caching capabilities whereby it serves popular pages from its cache instead of going back to the server. This further increases the performance and efficiency of the network and of the servers.



Features

Benefits

Supports SSLv2, SSLv3, TLS

Radware's full secure protocol supports and enables users to use any browser securely, easily and confidently.

Integrated Solution with Radware's WSD

The WSD intelligently redirects only SSL traffic to the CertainT 100. All other traffic flows directly to the servers, optimizing overall network performance and efficiency. You may also have several CertainT 100 units working simultaneously for true scalability and load balancing. No topology changes are necessary in the existing network.

Secure Remote Administration

Offers the ability to login remotely and securely via SSH.

Caching Traffic

CertainT 100 can cache traffic flows, acting as a reverse proxy. This accelerates the transaction and saves time, thereby lessening the load on the web servers.

Superior Performance

CertainT 100 can perform 200 transactions per second per unit, with a maximum of 20,000 transactions per second.



High Availability

Several CertainT 100 units can be combined to act as a single entity - a CertainT 100 farm. Managed by Radware's intelligent traffic management solutions, customers are promptly and consistently served. CertainT 100 farms provide high availability by eliminating all potential single points of failure. Built-in health monitoring tools ensure that information is properly transferred, quickly and confidentially. Should the CertainT 100 go off line, high availability is achieved by forwarding SSL traffic directly to the server.

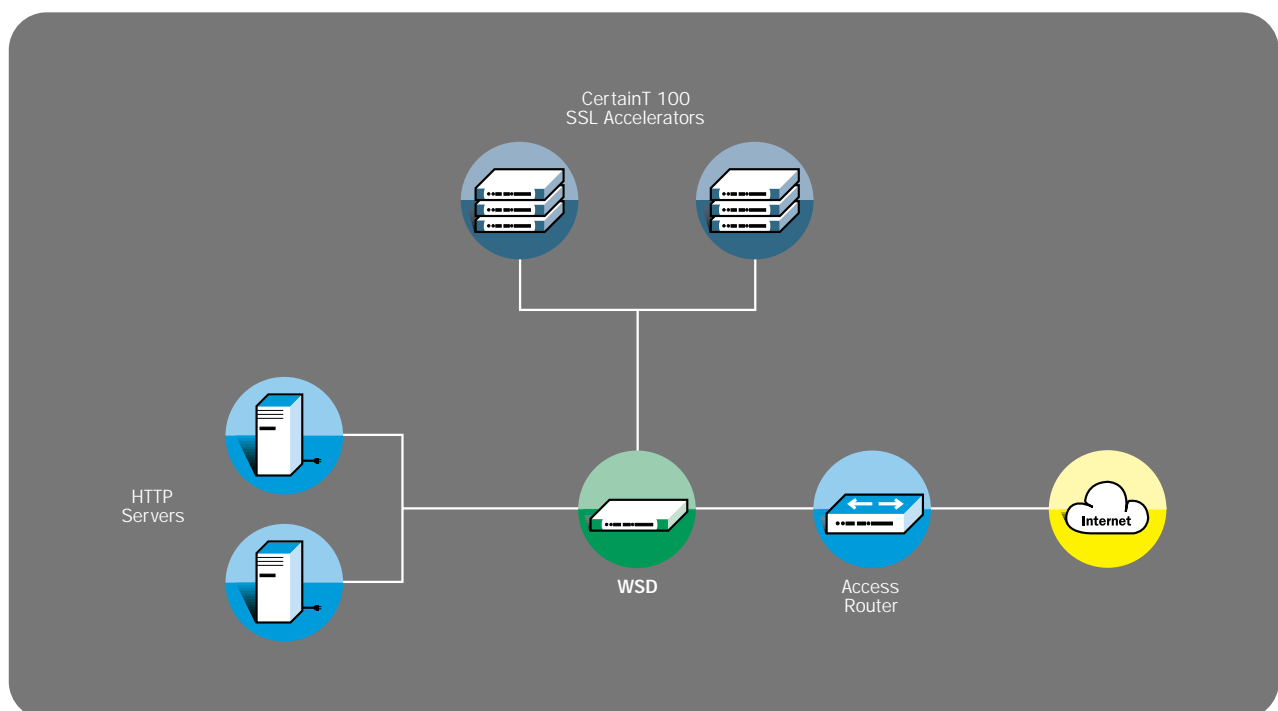
Unlimited Scalability

To increase processing capacity, multiple CertainT 100 devices can be transparently added to CertainT 100 farms. When deployed in-line, up to three CertainT 100 devices can be deployed consecutively. When combined with Radware's ITM solutions, up to 100 units can be deployed. This flexibility allows for unlimited growth without the addition of web servers, which do not add significant SSL transaction processing power. Radware's state of the art architecture enables you to scale your SSL transactions to 20,000 per second.

Network Efficiency through Traffic Management

CertainT 100 does not add latency to all traffic, like other SSL accelerators. When deployed with Radware's ITM solution, the ITM device recognizes SSL traffic and diverts it directly to the healthiest and most available CertainT 100. All other traffic is redirected to the web servers. As a result, non-SSL traffic does not pass through the CertainT 100, and suffers no additional latency.

Once the CertainT 100 decrypts SSL traffic, the traffic is returned to Radware's ITM device, which can intelligently manage the traffic according any number of parameters including cookie or content information.



Product Specifications



CertainT 100 • SSL Accelerator

Processor: Intel Pentium III
RAM: 128 MB

200 SSL Transactions per second

Security Algorithms Supported: Blowfish, DES, 3DES, DSA, IDEA, MD5, RC2, RSA, SHA, SHA-1, DH, RC4 40B, RC4 128B, DSS

Encryption Protocols: SSLv2, SSLV3, TLS

Network Management:

SSH secure command line management
Command line interface for easier management
Dynamic configuration through password-protected serial console

Servers supported:

HTTP Server Independent
Apache Web Server
Microsoft IIS/BackOffice
C2Net Stronghold
iPlanet Web Server
Netscape Enterprise Server

Environmental:

Operating Temperature: 0-40c
Humidity (non-condensing) 5% to 95%

Network Interfaces:

2 10 Base-T/100 Base-TX Ports
1 RS-232C Console

Dimensions

Width: 432mm
Depth: 470mm
Height: 44mm (Standard 19 inch, 1U)
Weight: 2.5 kg

Power

Auto-range supply: 100-250V 50-60Hz

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