

Securely Accelerating Today's Web-based Businesses

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S-Series Accelerates WAN Traffic Over 90%

- Generic WAN traffic
- Application-specific traffic
- Secure application traffic
- No modification to the client, server, or application



Certeon S-Series Appliance



Generic WAN Traffic

Faster access to data and more efficient WAN utilization

- HTTP, TCP/IP, WebDav, XML, CIFS, and MAPI
- Reduces the amount of traffic over the network – improves response time
 - Whole object differencing
 - History-based compression (aka dictionary compression)
 - Byte caching
 - Packet compression and aggregation
- Through-put performance improves proportionally as file sizes increase
- Bandwidth allocation
- Forward error correction

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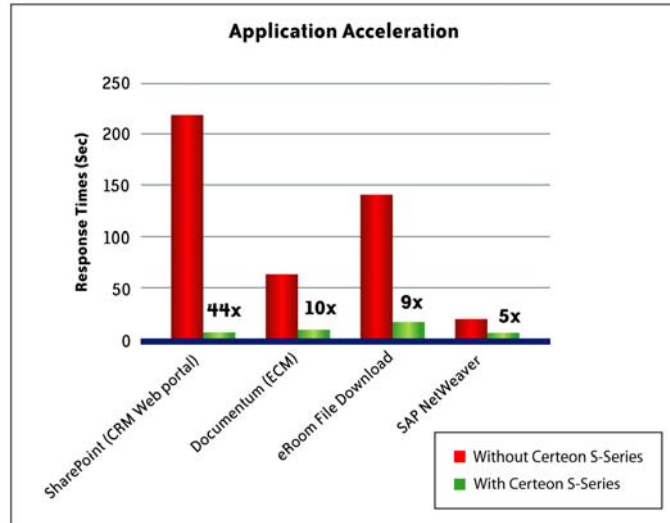
Application Acceleration

Maximizes the performance of application access and Web page rendering response times

- Application Acceleration Blueprints and Object Differencing Engine
 - Simplified historical search
 - improves application object pattern matching efficiency for better scalability
 - Active pre-fetch of application objects
 - avoids disk I/O latency and improve throughput.
 - Whole-object differencing
 - improves encoding efficiency and consistent high data-reduction performance
 - Type-specific differencing
 - enables the acceleration of application-specific encrypted or pre-compressed traffic
 - Application-specific protocol optimizations
- Applications Supported
 - Microsoft SharePoint (including MOSS) and Office
 - EMC Documentum and eRoom
 - SAP NetWeaver
 - Oracle 9i and 10g
 - UGS Solid Edge and Teamcenter Express

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Application Acceleration Performance



Source: Certeon Customers

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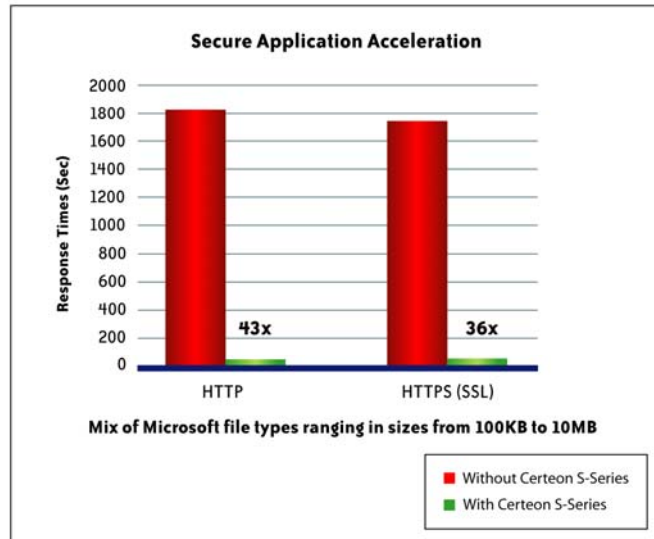
Secure Application Acceleration

Accelerates SSL traffic securely and with no additional management of certificates and private keys

- Secure Application Technology™ (SAT)
 - Transparency - Utilizes native server certificates for SSL session initialization, eliminating the cost and complexity of managing certificates on individual acceleration devices
 - Security - Private server keys never leave the secure data center
 - Accelerates all the TCP/IP data, not just protocol headers
- Distributed *HTTP/HTTPS offload* techniques
 - ensure that the centralized servers are not overburdened with CPU-intensive SSL processing
- Accelerates encrypted traffic as well as un-encrypted traffic without loss of data integrity

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Secure Application Acceleration



Source: The Tolly Group, 2006

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Summary

- Certeon accelerates all WAN traffic, optimizes mission critical applications, and is the only vendor to effectively accelerate WAN traffic securely
- Certeon customers have seen significant improvements – over 90% - in their ability to access encrypted and unencrypted data, applications, and Web pages
- Certeon customers realize greater employee productivity and satisfaction by having better application, file, and Web page access

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