

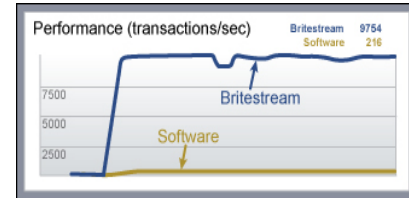


Britestream Applied: Check Point NGX Web Intelligence Accelerator

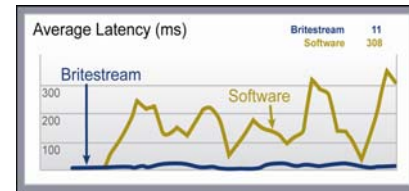
Key Benefits

- 100% SSL Offload for Initiation and Termination – frees core NGX platform for Malicious Code Protection with Web Intelligence
- Provides a seamless end-to-end encryption solution for multiple web applications on the internal network
- Up to 100,000 simultaneous connections and 10,000 transactions per second
- Eliminates encryption latency normally experienced with software solutions
- All SSL and cryptographic operations securely performed on-chip with built-in tamper protection
- Integrated with NGX Web Intelligence R60WI

The award-winning Britestream technology provides a secure, scalable and simple solution to processing SSL-encrypted network traffic. Britestream Networks provides a breakthrough solution for the growing challenge of data privacy and regulatory compliance.



For applications needing the added security of Malicious Code Protection, Britestream hardware technology offers hardened security while improving application response time by offloading 100% SSL processing. The Britestream solution removes all barriers and penalties to deploying—and ensuring—secure transmissions.



Britestream and Check Point partner to integrate 100% offload SSL services in Check Point's Web Intelligence application. Together this brings a new level of performance, protection and security to mission critical applications such as e-commerce, internet banking and financial services.



The Only Platform to Offer a Unified Security Architecture

Scalable Performance and Easy Integration with Check Point Web Intelligence

With Britestream's 100% offload SSL Solution processing up to 10,000 SSL transactions per second and Check Point's Web Intelligence support for up to 24 distinct web servers on a single NGS platform, highly secure websites now can turn SSL security on by default in more server applications.

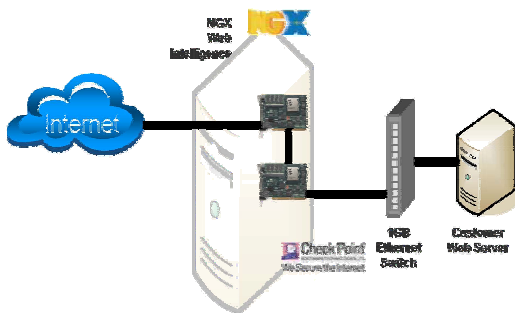
Advanced Encryption for Check Point Web Intelligence

Britestream and Check Point together offer numerous advanced cryptographic functions including various RSA key sizes and a variety of encryption algorithms without requiring less secure software-based cryptographic libraries to slow performance. Private keys are not stored in software, but on the card in secure non-reliable hardware. The Britestream solutions provide tamper-resistant storage of keys and utilize a hardware-based random number generator for maximum privacy for keys and certificates. Britestream provides additional host attack protection with secure storage of keys / certificates and TCP port blocking.

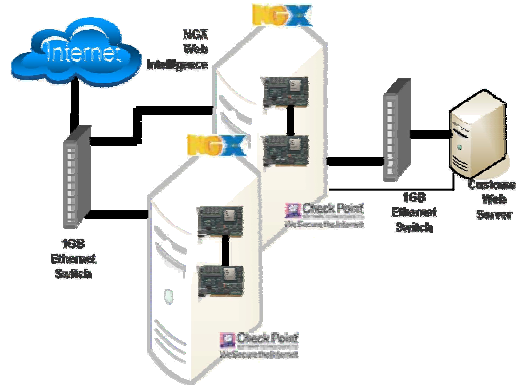


Typical Deployment Scenarios:

Standard Installation



High Availability Installation



Performance

- Up to 10,000 SSL transactions per second (TPS)
- Supports 100,000 simultaneous connections
- 1Gbps full-duplex capacity
- Up to 700 Mbps bulk encryption throughput

Protocol Versions

- SSL 3.0, TLS 1.0
- Responds to SSL 2.0 Client Hellos

Cryptography

- ARC4, AES, DES, 3DES bulk cipher algorithms
- 1024/2048/4096-bit RSA exponentiation
- Stores up to 256 certificates & associated private keys
- Hardware Random Number Generator

Network Interface

- 10/100/1000 Ethernet Client/Server Network Ports
- 10/100/1000 Ethernet Management Port

TCP/IP Processing

- Terminates TCP connections and creates a client / server proxy
- Supports standard TCP functions per RFCs 793, 813, and 1122
- Transparent pass-through of non-SSL traffic
- Grooming of TCP/IP traffic optimizes server processing for SSL/TLS sessions (no time-outs, no retries, no out-of-order packets, etc.)

Product

BN1210B - includes one each BN1210 & BN1210



For more information contact us at 888.926.8857 or 512.250.2129 or sales@bristream.com