

## BLUE COAT WAN OPTIMIZATION ACCELERATES BUSINESS APPLICATIONS AND REDUCES WAN BANDWIDTH

Blue Coat offers WAN Optimization solutions that allow the enterprise to effectively deliver centralized files, backup, storage and applications across distributed enterprises. Our technologies are critical to enabling you to quickly consolidate infrastructure, as well as deliver new applications and initiatives on existing networks.

### WAN Optimization for Today's and Tomorrow's Applications

Blue Coat's WAN Optimization delivers essential technologies to accelerate files, email, storage and enterprise applications. Beyond this foundation, Blue Coat provides highly differentiated technologies for Web, video and cloud, along with unique functionality to let you harness the Internet more fully.

-> **Accelerate consolidated files, storage, backup and email**

– Blue Coat enables centralized IT architectures that reduce costs and increase compliance. Whether it's Microsoft Exchange requiring MAPI acceleration, CIFS file shares, remote storage, centralized backup, disaster recovery or general network optimization, Blue Coat makes it faster with protocol acceleration, and drastically reduces bandwidth with a combination of adaptive compression and byte caching technologies.

-> **Accelerating Web Traffic**

– Acceleration technologies for HTTP and SSL result from Blue Coat's long history in Web acceleration. Our unique object caching, adaptive refresh and HTTP/SSL pipelining deliver faster performance and greater bandwidth reductions. You are able to offload data center servers by processing entire requests directly from the branch office, reducing the number of servers needed to deliver applications. HTTP and SSL are increasingly important, as files, email and enterprise applications transition from LAN protocols to HTTP and SSL transport.

-> **Delivering Robust Video**

– Video is becoming a dominant force on the network. Recreational video can grab 30-60% of your entire WAN, while corporate video initiatives fail due to bandwidth starvation. Blue Coat's unique live stream splitting and on-demand video caching with

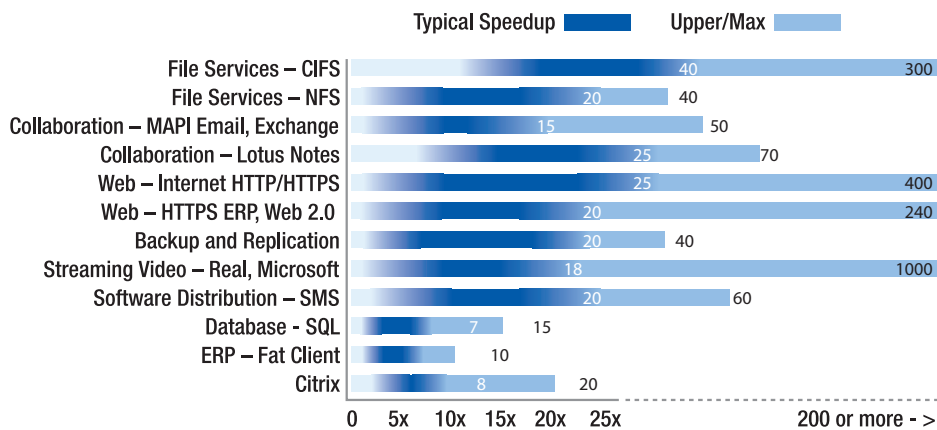
CDN optimize video delivery over RTMP (Flash) and RTSP (Windows Media/Silverlight), as well as, dozens of video objects in HTTP and SSL. Blue Coat enables corporate video initiatives on existing networks while drastically reducing bandwidth available to recreational video.

-> **Enabling the Cloud**

– Cloud delivered applications are emerging as a key new option for enterprise application delivery. Our ability to manage external SSL certificates makes Blue Coat uniquely able to optimize external SSL applications. Asymmetric WAN Optimization technologies for Web and video allows Blue Coat to optimize your cloud delivered applications – without appliances or software in the cloud provider's infrastructure.

-> **Integrated security**

– Only Blue Coat integrates WAN Optimization with Secure Web Gateway in one platform, enabling new branch office architectures that safely access the Internet with lower access costs.



## WAN OPTIMIZATION FOR ENTERPRISE

### Next Generation Integrated Technologies

Blue Coat's full set of integrated technologies accelerate both traditional LAN technologies, and your increasingly important Web, video and cloud applications:

- > **Protocol optimization:** Accelerates application performance over the WAN by mitigating the penalties imposed by latency on inefficient protocols or applications originally architected for the LAN. Examples include CIFS, MAPI, TCP, HTTP, SSL and other protocols.
- > **Object caching:** Dramatically accelerates web applications and workflows that depend on centrally-stored files by serving remote content locally in the branch – eliminating nearly all latency in the entire transaction. This reduces bandwidth and reduces server costs by offloading connections from data center.
- > **Byte caching:** Reduces the bandwidth for repetitive data streams by scanning, indexing and tokenizing large byte patterns. This significantly reduces bandwidth consumption, for repetitive data elements, even across disparate applications.
- > **Adaptive compression:** Reduces bandwidth consumption for any compressible data transiting the WAN. Blue Coat's adaptive methodology actively allocates spare CPU power to increase compression gains.
- > **Bandwidth management and QoS:** Ensures productivity by prioritizing enterprise-critical data flows over bulk-data or recreational traffic flows.
- > **Video optimization:** Offers live video stream splitting that creates high quality real-time video feeds to dozens or hundreds of users in a site, at a fraction of the bandwidth. On demand caching makes video training and communications available instantly to local users, with no burden on the WAN, and can leverage CDN capabilities in Blue Coat Director and partners to prepopulate video to caches overnight. Blue Coat video technologies can magnify bandwidth by 1000x.
- > **Integrated Secure Web Gateway:** Via license upgrade and includes the leading content filtering, Web malware protection, multi-protocol authentication and ICAP services critical to DLP and malware gateway implementations. Integrated security enables entirely new Direct-to-Net architectures for branch offices.

### The Blue Coat Acceleration Solution



Product	Description	Best For
<b>ProxySG Appliances</b> Acceleration Edition and Full Proxy Edition	Hardware appliances meet the needs of the smallest branch up to the data center. Upgrade options enable integrated Web security with Full Proxy Edition.	Purpose-built WAN optimization solutions addressing the full range of deployment from branch offices to the data center
<b>ProxySG Virtual Appliance software</b>	Virtual appliances leveraging VMware installed on industry standard servers for branch offices	Branch office environments up to 300 users with server infrastructure requiring WAN Optimization, plus other IT services like Microsoft Windows 2008 and line of business applications
<b>ProxyClient</b>	Software client for WAN Optimization (softwoc) installed on laptops and desktops, and includes integrated Web security.	Home office and mobile users, road warriors, and very small offices with 1-5 users and no server infrastructure