

PC-BASED APPLICATION ACCELERATION FOR THE REMOTE ENTERPRISE-CLASS WORKER

AcceleNet delivers LAN-like performance to remote and mobile users, accelerating file transfers, email, and web applications, even over slow last-mile networks and secure VPN connections



Today, more than 450 million workers are mobile and the majority of businesses see the trend increasing. AcceleNet improves performance for mobile and small-office users, speeding initial data transfers by an average of 2x-10x, and future transfers by as much as 500x. A unique combination of application, network, and data optimizers provides the industry's highest performance gains when connecting to corporate networks over last-mile networks such as cellular, satellite, wireless, DSL and dial-up.

AcceleNet is designed specifically for mobile workers and small branch and home offices (SOHO). These users' requirements are significantly different and often more challenging than those of larger branch office workers. AcceleNet improves user performance while reducing network costs by accelerating file transfers, email, and web-based applications.

A cost-effective software-only architecture ensures standard server-side data center deployments without the need to modify content or application servers, and client software that is configured and deployed from a central manager, without user involvement or training—with savings of up to 70%, when compared to appliance-based solutions.

APPLICATION ACCELERATION

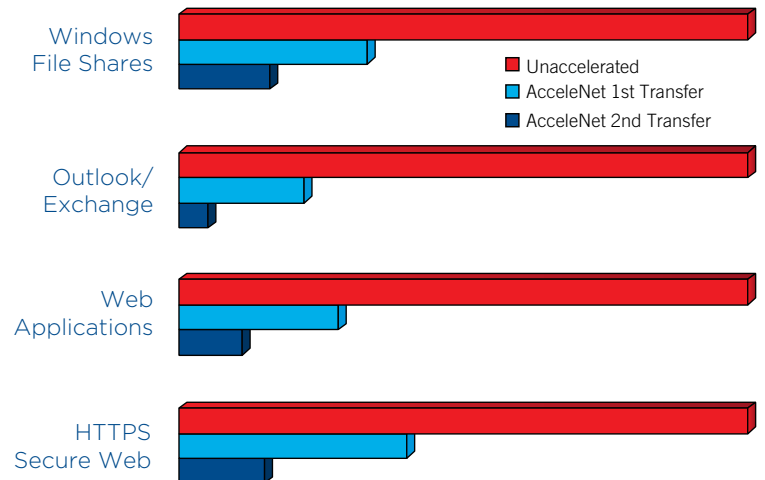
The protocols used by many enterprise applications were designed for the LAN and perform poorly over WANs. These protocols make many sequential requests over the network to satisfy a single user request; the round-trip transmissions multiply any network latency, quickly degrading response time. AcceleNet's application accelerators speed transactions by reducing the number of round-trip transmissions for a broad set of application protocols:

CIFS: Windows file shares, MS Office applications

MAPI: Outlook/Exchange messages and attachments

HTTP: Web-based applications and internet browsing

HTTPS: Secure web applications, such as Outlook Web Access (OWA) and others



ACCELENET AT-A-GLANCE

Lowest Total Cost of Ownership

- » Cost-effective software solution; minimal client PC footprint
- » Administrator toolkit distributes and manages client software
- » Standard Windows Server implementation
- » Centralized management and monitoring

Application Acceleration

- » Windows file shares and other CIFS-based applications
- » Outlook/Exchange email
- » Web-based applications and internet browsing
- » Other TCP traffic

Advanced Data Compression

- » Byte-level data differencing algorithm for files of all sizes
- » Bi-directional, cross-protocol acceleration
- » Single-instance server history for scalability
- » Configurable encryption of client-side history

Network Optimization

- » Superior performance on cellular, satellite, wireless networks
- » Dynamic bandwidth allocation for real-time data (VoIP)
- » Acceleration maintained through network interruptions

Preservation of Corporate Security Policy Integrity

- » IPsec and SSL VPN compatibility
- » Signed SMB file transfer acceleration
- » Secure HTTPS web application acceleration

ADVANCED DATA COMPRESSION

AcceleNet employs delta coding to compare new data against previously transmitted data and only send the compressed differences. Special features include:

- Large-file compression:** identifies and eliminates redundant data - even within a single file
- Cross-protocol acceleration:** downloads a file from a server, and then sends it as an email attachment
- Bi-directional compression:** uses data from a download to compress a subsequent upload and vice versa
- Secure data storage:** optional compression history encryption
- Shared server history:** shares a single instance among all users

NETWORK OPTIMIZATION

AcceleNet automatically adapts to network conditions such as timing variations found in packet switched wireless networks, latency problems of broadband satellite links, noisy WiFi and DSL connections, and temporary cellular and WLAN disconnects. A patented transport protocol significantly outperforms TCP and even maintains acceleration and resumes transfer after network interruptions. The results are bandwidth savings and better user performance.

LOWEST TOTAL COST OF OWNERSHIP

Unlike software accelerators that are ported from appliances, AcceleNet was purpose-built for Windows-based platforms.

Powerful, easy-to-deploy server capabilities:

- No content or application server changes are required
- Administrator toolkit configures and deploys self-install client using standard software distribution systems
- Central Manager configures and manages all servers and clients
- IP network topologies are unaffected; in the event of a server failure, user experiences only loss of acceleration
- Real-time user session management and monitoring
- Powerful one-click, user-accessible diagnostic reporting

Simple client deployment, transparent operation:

- Minimal PC processor, memory, and disk requirements
- Simple self-install; automatic detection of incompatibilities with already-installed software
- No need to open incoming ports on firewall or other local security software; enterprise security is preserved
- Complete user transparency; no changes to application settings, appearance, or operation

SPECIFICATIONS

SYSTEM REQUIREMENTS	RECOMMENDED CLIENT CONFIGURATION	MINIMUM SERVER CONFIGURATION
Operating System	Windows XP SP2 or later	Windows Server 2003, 2003 R2, 2008, or 2008R2 Standard Edition, x64 Microsoft IIS Version 6 or higher
Processor	1.5 Ghz	Dual Core 1.8 Ghz
Memory	1 GB	4 GB
Disk	1 GB free space	80 GB 7.2K RPM; 50 GB free space
Interface	—	Dual 1 Gigabit Ethernet NIC

Applications

CIFS SMB, FTP, HTTP/HTTPS, MAPI, SMTP/POP3, IMAP4, Lotus Notes, MS Office and more

VPN Interoperability

Interoperates with all major IPsec and SSL VPNs: Checkpoint, Cisco, F5, Juniper, Nortel and more

Anti-Virus / Security Interoperability

CA, McAfee, Microsoft, Norton and more

Management Interface

Browser-based administrator interface
SNMP v2 MIB
Integrated single-click diagnostics

Capacity

Up to 10,000 active user sessions per server
Redundant configurations for high availability

CONTACT

1250 HANCOCK STREET; SUITE 701-N
QUINCY, MA 02169

TEL +1.617.773.3369
WEB WWW.ACCELENET.COM
EMAIL INFO@ACCELENET.COM



Copyright © 2010 ViaSat, Inc. All Rights Reserved. AcceleNet, and the AcceleNet logo are trademarks or registered trademarks of ViaSat, Inc. All other trademarks mentioned are the sole property of their respective companies. Specifications and availability are subject to change without notice.