

## Key Benefits:

- LAN-like performance on the WAN
- Accelerate applications & optimize the WAN
- Lower IT costs
- Fast Return on Investment
- Configurable site-to-site encryption using SSL
- Ease of deployment

## WANJet™

*WANJet™ is an appliance-based solution that delivers LAN-like application performance over the WAN. WANJet accelerates applications including: file transfer, email, client-server applications, data replication, and others, resulting in predictable, fast performance for all WAN users.*

*For data centers, the WANJet 400 features fault tolerance and scalability for up to 14,000 optimized connections. For branch offices, the WANJet 200 combines fault tolerant features, silent operation and performance for up to 1,000 optimized connections. WANJet solutions work seamlessly across all wide-area networks including dedicated links, IP VPNs, frame relay, and even satellite connections.*

### Breakthrough Application Performance and Lower IT Costs

WANJet delivers unrivaled application performance and reduced IT expenses. Operating at Layer 5 of the OSI reference model, WANJet has full application knowledge and network awareness. It integrates key performance technologies, including Transparent Data Reduction™, adaptive TCP optimization, encryption, and quality of service that are applied to application streams.

### Expands WAN Capacity and Application Throughput

F5 Transparent Data Reduction (TDR) is a revolutionary networking technology that ensures high-speed application performance and reduces the amount of data transferred over the WAN by up to 95%. TDR delivers significantly more bandwidth for applications and effectively expands WAN capacity above specified rates.

### Dramatically Improves Windows File Sharing

Common Internet File System (CIFS) is a remote file access protocol that is the basis for Windows file sharing. CIFS performs very poorly across a high-latency WAN because it requires a large number of back and forth transactions. WANJet accelerates CIFS performance by predicting client requests and pre-staging data on the WANJet local to the client. This greatly improves performance for Windows file transfers, directory browsing, and remote access to Microsoft applications such as MS Word, Powerpoint and Excel.

### Eliminates Negative Effects of Distance

When application performance suffers, IT managers often assume that adding bandwidth will solve the problem. Unfortunately, because of the way the TCP protocol works, adding bandwidth is often ineffective. TCP throughput degrades significantly on the WAN, particularly on high-latency, intercontinental links.

To overcome these inherent protocol limitations, WANJet employs adaptive TCP optimization (which combines session-level application awareness, persistent tunnels, selective acknowledgements, error correction, and optimized TCP windows) to fully utilize available bandwidth. This enables WANJet to adapt, in real time, to the latency, packet loss, and congestion characteristics of WAN links, and accelerate virtually all application traffic.

## Makes the WAN Faster and Safer

With WANJet's site-to-site SSL encryption, IT managers no longer need to choose between fast and safe. Applications communicate at high speed, over any WAN, in full privacy. Users experience transparent operation and high speed, IT managers rest easy knowing that corporate data is protected, and organizations ensure compliance with regulations such as HIPAA and Sarbanes Oxley.

## Ensures Predictable Performance

WANJet's QoS feature lets IT managers tune their global networks for round-the-clock application performance. IT resources are logically grouped and managed according to business rules. As a result, bandwidth is preserved for real-time applications like VoIP. This translates into a predictable user experience for application performance, regardless of WAN conditions, time of day, or geographical location.

## WANJet Features

### General

- Accelerates application performance at up to 622 Mbps
- Reduces data transferred over WAN by up to 95%
- Optimizes all IP based traffic (HTTP, TCP, UDP, etc.)
- SSL encrypts traffic between appliances (site-to-site)
- Enables next-generation services such as VoIP

### High Availability

- Fail-to-Wire (automatic bypass if device is powered off or fails)
- Supports VRRP (RFC 3768) and HSRP (RFC 2281) network configurations

### Deployment Modes

- In-Line (installed in data path between LAN switch and WAN router)
- One-Arm via WCCPv2 (single connection to switch or router)
- One-Arm via static IP policy routes (single connection to switch or router)
- On-LAN (single connection to a switch, deployed as a standard host)

### Management

- Secure web-based user interface
- Secure remote access via HTTPS
- RADIUS authentication
- LCD Front panel for initial configuration (WANJet 400 only)

### Reporting

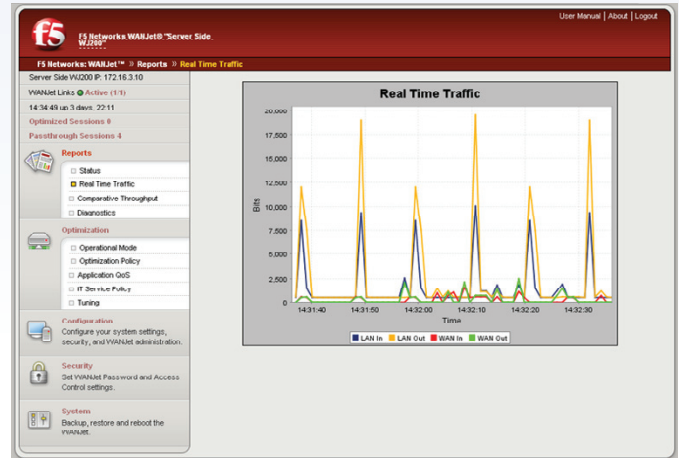
- Detailed for transmitted and received traffic reports
- Actual throughput and network capacity gains
- Customizable per hour, week, month and year views
- Real time throughput and connection-count graphs
- All historical data exportable to Excel using CSV

### Logging

- NetFlow
- Syslog
- SNMPv3 (RMON2 and private MIB)
- Data export to CSV format

## Provides Insight to WAN/Application Behavior

WANJet includes an intuitive, web-based administration and management interface. Administrators can manage appliances and perform a wide variety of system level tasks such as creating custom optimization policies, diagnosing and fixing network connectivity issues, viewing real-time traffic flows, and exporting detailed performance statistics.



The WANJet WebUI provides real-time feedback

SPECIFICATIONS	WANJet 200	WANJet 400
Optimized Connections	1,000	14,000
Optimized Throughput	2 Mbps	622 Mbps
Physical	DSL modem sized	2 Rack Units (2U)
	1.63 in. (4.14 cm) high	3.5 in. (8.89 cm) high
	8.88 in (22.56 cm) wide	17.0 in (43.18 cm) wide
	6.13 in. (15.57 cm) deep	21.25 in. (53.98 cm) deep
Power	3.8 lbs (1.72 kg)	19 lbs (8.62 kg)
	Single, fixed power supply	Dual, hot swappable power supplies
	100-240VAC, autosensing 20W max, 50/60Hz	100-240VAC, autosensing 300W max, 50/60Hz
Connectivity	Two 10/100 Ethernet (data)	Two 10/100/1000 Ethernet (data)
	One 10/100 Ethernet (peer)	One 10/100/1000 Ethernet (peer)
	One DB-9 serial port (console)	One RJ-45 serial port (console)
	One 10/100 Ethernet (management)	10/100 Ethernet (management)



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