

Exinda Product Guide

A Practical Guide to Unified Performance Management



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Performance You Can See

Exinda's Unified Performance Management

Exinda's unified performance management (UPM) solution brings together a suite of advanced, best-of-breed, visibility, traffic-shaping and WAN optimization technologies into a single, easy to-use appliance designed to improve network performance.

Exinda is the only Unified Performance Management solution on the market. Unified Performance Management provides users with a tightly integrated, cost saving solution to get the most out of your network. All controlled through a unified management console.

Reduce up to 90% of WAN data

Exinda's universal WAN memory cache removes repetitive data from being resent over the WAN. The overall reduction in traffic increases application speed and frees up bandwidth.

Make the most out of de-duplication efforts and deliver warm pass results bi directionally without the need to partition disk space at each branch office or endpoint. The universal cache also improves storage efficiency on all Exinda devices.

Improved TCP Delivery

(Layer 4 Optimization)

Mitigate the negative impact high latency has on TCP delivery. Exinda uses the latest in layer 4 optimization techniques to ensure fast and consistent TCP transmissions.

These techniques allow Exinda users to bypass traditional TCP problems where it will not send additional data until an acknowledgement is provided from the other side of the transmission.

Techniques used include: TCP window scaling, selective, local, and delayed acknowledgements, packet aggregation, TCP fast start, and the ability to implement control mechanisms to reduce network congestion.

Technical Benefits Include:

- Reduction in packet loss & retransmissions
- Improved performance through reduction in acknowledgements required from packets
- Improved congestion control across a variety of network environments
- Increased connection throughput early into the connection
- Increased speed in packet transmission through acknowledgment of multiple packets at a time

Improve Data Delivery 50 to 100 Times

Since data is now accessed locally from the disk cache, users now experience LAN speeds over the WAN.

Reduce User Experienced Latency

(Layer 7 Application Acceleration)

Exinda uses a variety of techniques to improve the efficiency of WAN communications and advance a network user's experience. The use of Layer 7 application acceleration, encompassing methods such as compression, prefetch data, and local cache, allow Exinda to reduce an application's footprint on the network and improve usability.

Reduce Set-Up Time by 50% to 80%

Reduce set-up time by 50% to 80% for multi-site WAN optimization deployments. Exinda's auto discovery and configuration turns a problem that once took days and hours, into a solution that takes just minutes.

Exinda drastically simplifies deployment of WAN optimization technology. Exinda's intelligent architecture provides Exinda appliances with the ability to recognize one another, share configuration settings and automatically sync to accelerate traffic and improve network efficiency.

This means no longer needing to... manually create tunnels between devices, reconfigure QoS policies, apply changes to clients, servers, routers, or IP addresses in order to accelerate traffic between devices. Exinda is smart enough to do the work for you.



Exinda provides users with the best application experience possible by maximizing the speed and efficiency of the wide area network.

The Challenge

Business Demand vs. The Network's Ability to Deliver

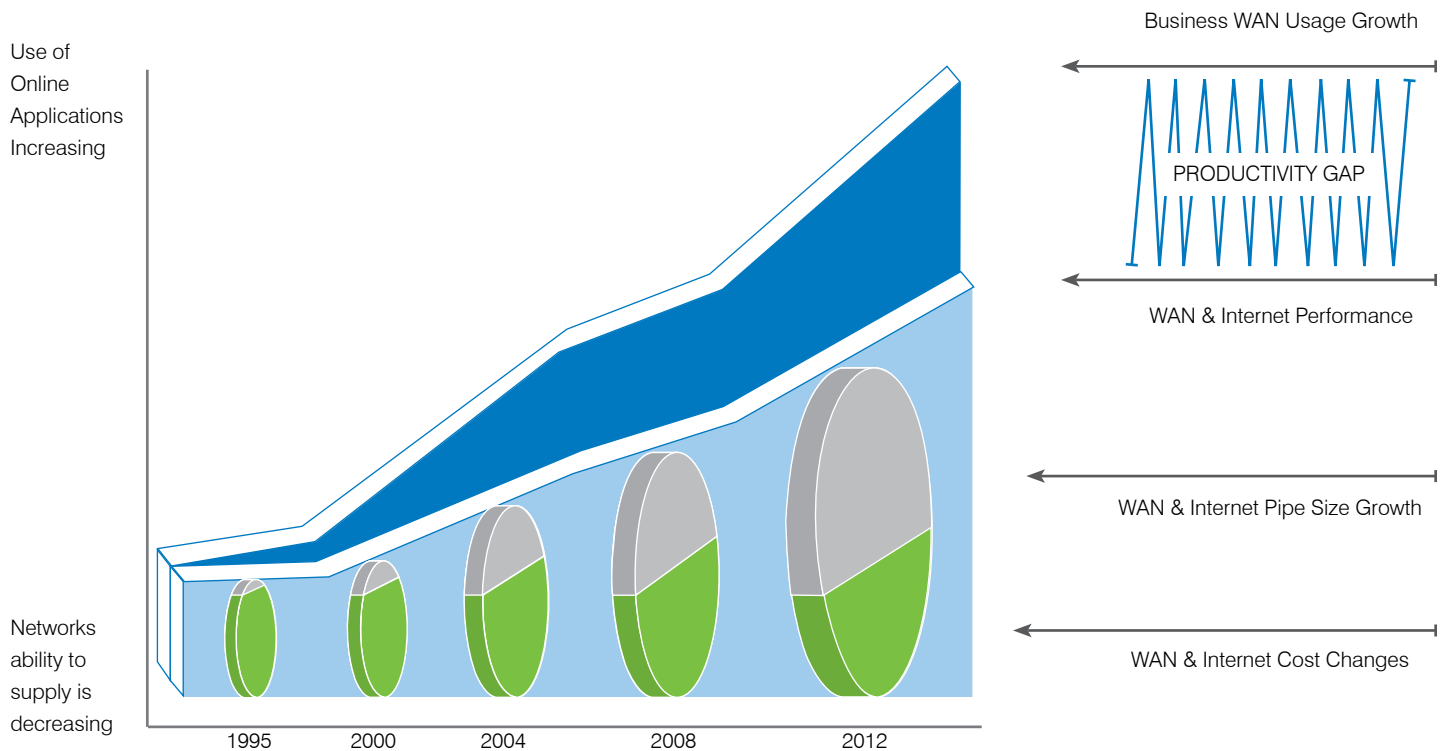
The Productivity Gap

There exists a productivity gap in today's wide area networks (WAN). Current acceleration platforms, designed to reduce the footprint of increased traffic flow, are unable to keep up with the increasing use of online applications and the demand that they have on network resources.

Falling bandwidth costs, network consolidation and advances in communication technology have driven the use and reliance of the WAN to exponential growth levels. Speed and performance across the WAN, including the world's greatest and most accessed WAN, the Internet, have become mission critical for business operations.

Unfortunately, the growth in WAN/Internet speeds and capacity, have not been able to keep up with the ever-increasing demand created by growing business and recreational usage.

This gap between demand and network capacity has resulted in productivity losses. Network users experience time waiting at screen (TWAS) as applications compete for finite resources over stressed, over-run networks. This congestion and wasted time translates not only to reduced productivity and loss of revenue. Ultimately, the productivity losses dwarf any saving generated by today's lower bandwidth costs.



The Solution

ExOS Version 5, The Next Generation of UPM

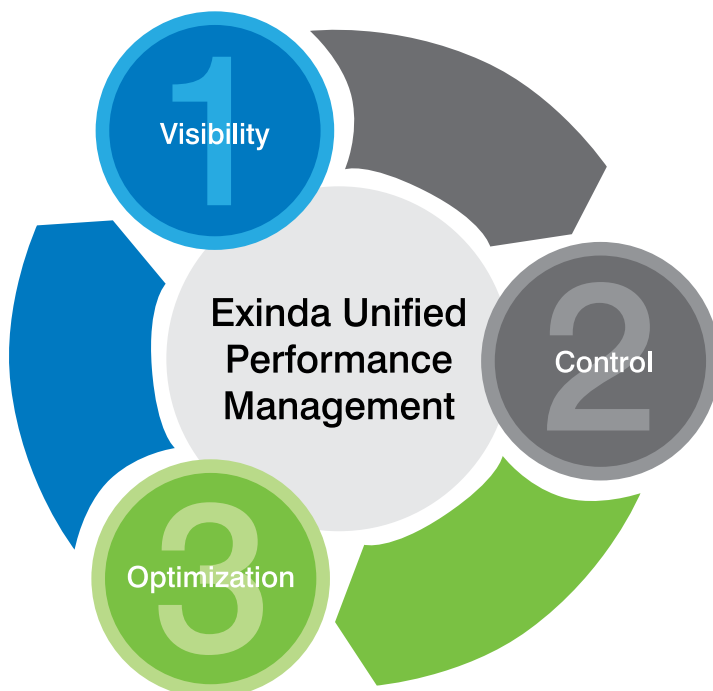
Networks Need Exinda

With network traffic growing exponentially, application performance and WAN optimization are two of the biggest IT challenges that organizations face. Until now, network managers and administrators lacked a comprehensive solution for monitoring and managing network resources and bandwidth while meeting user expectations for fast application response. Exinda revolutionizes the way organizations manage their network by offering an affordable and easy to use appliance that delivers visibility, control and optimization.

The Unified Performance Management Advantage

Many organizations rely on a number of different point solutions for network monitoring, reporting and application acceleration. This approach adds complexity and increases the administrative burden on IT staff. With the Exinda Unified Performance Management (UPM) solution, all of the core capabilities needed to effectively manage a WAN are incorporated into a single network appliance. These tightly integrated capabilities include real-time monitoring, reporting, traffic control, optimization and intelligent acceleration. Users can toggle between a simplified or advanced interface and may also choose a centralized management platform for controlling multiple appliances across the network.

By dramatically simplifying WAN optimization, Exinda empowers organizations to improve application performance, lower network operating costs, defer costly bandwidth upgrades and increase productivity by reducing the time employees spend waiting for slow applications to respond.



Why Exinda?

- Integrated visibility, control and optimization
- Affordable, all-in-one appliance lowers total cost of ownership
- Rapid implementation and easy centralized management
- Industry-leading support for Microsoft® Active Directory
- Technology proven in over 1,500 customer implementations worldwide
- Solution backed by unparalleled product support and expertise

Exinda Value

- Improve application response times
- Accelerate more than 1,000 applications
- Identify and prioritize all network traffic
- Guarantee bandwidth for critical applications
- Control recreational peer-to-peer (P2P) traffic



Unified Performance Management

Exinda utilizes a single hardware appliance per site. Unlike competitive solutions, Exinda requires NO additional modules or add-on components making it simpler to manage and freeing up time for network managers.

How Exinda Works

ExOS Version 5

Visibility

Provides insight into network activity, usage and performance. Gives you the information you need to keep your network operating at peak performance

- Layer 7 Classification
- Heuristic Classification
- URL Classification
- Drill Down Capabilities
- Real Time Monitoring
- Top Talkers/Top Conversations
- Active Directory User ID
- Anonymous Proxy Detection
- Application Performance Score
- Service Level Agreements
- Network Health
- Citrix Published Applications
- Automated PDF Reporting

Control

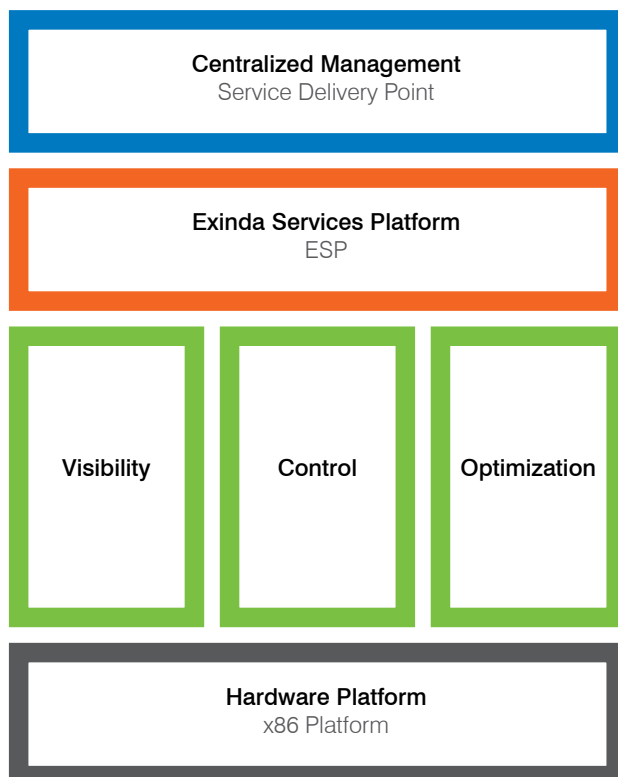
Maximize network resources to the needs of your organization through comprehensive control over network traffic without placing heavy-handed restrictions on users.

- QoS / Dynamic per IP User
- Bandwidth Management
- Traffic-shaping
- Prioritization
- Active Directory Integration

Optimization

Rapidly, turn understanding into action that drives network performance, improves the user experience, and optimizes productivity.

- Layer 4 TCP Optimization
- Layer 7 Application Acceleration
- Universal Caching
- Compression
- Intelligent Acceleration
- Peer Auto-Discovery
- SSL Acceleration



“Unified Performance Management is driven by improving the quality of user experience.”

- Ed Ryan, Vice President of Products

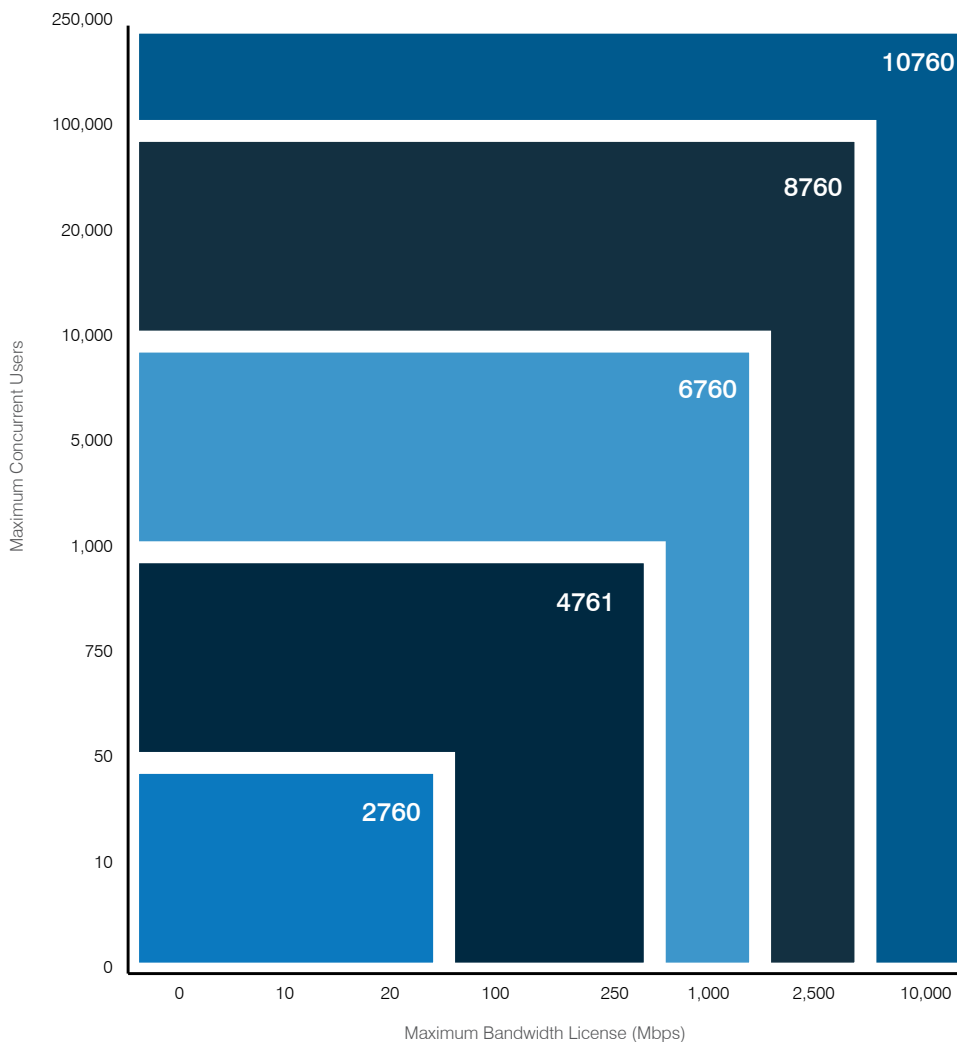
The Exinda Sizing Guide

Choose the Perfect Exinda for Your Organization

Visibility & Control

x700 Software

Designed to provide organizations with complete visibility and control of bandwidth, users, applications and traffic.



Features & Benefits

Visibility

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- URL Classification
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- Service Level Agreements
- Network Health
- Citrix Published Applications
- Automated PDF Reporting

Control

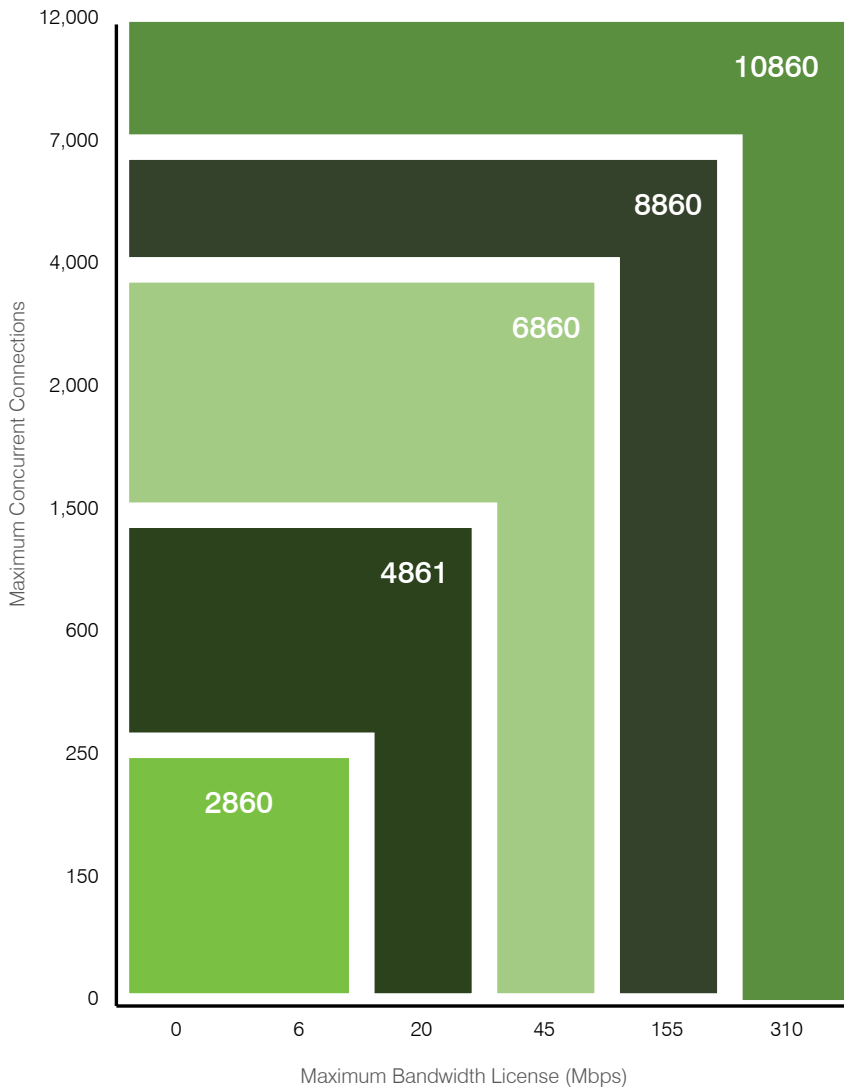
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- Bandwidth Management
- Traffic-shaping
- Prioritization
- Active Directory Integration

Visibility, Control & Optimization

x800 Software

Designed to provide organizations with complete visibility, control and optimization to improve overall network and application performance and to maximize user experience.



Features & Benefits

Visibility

Provides insight into network activity, usage and performance. Gives you the information you need to keep your network operating at peak performance

- Layer 7 Classification
- Heuristic Classification
- URL Classification
- Drill Down Capabilities
- Real Time Monitoring
- Top Talkers/Top Conversations
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- Anonymous Proxy Detection
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Control

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- Bandwidth Management
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Optimization

Rapidly, turn understanding into action that drives network performance, improves the user experience, and optimizes productivity.

- Layer 4 TCP Optimization
- Layer 7 Application Acceleration
- Universal Caching
- Compression
- Intelligent Acceleration
- Peer Auto-Discovery
- SSL Acceleration

The Exinda Product Family

A Unified Performance Management Solution for Every Organization

The Challenge

Everyday more and more data is being pushed across our networks. Increased growth and reliance of web based applications, VoIP, streaming video and Internet usage have congested our networks and made them unreliable. Network users are spending more and more time waiting at screen (TWAS) as applications compete for finite resources over stressed, over-run networks. This proliferation of traffic has degraded our networks' speed and performance and resulted in productivity losses.

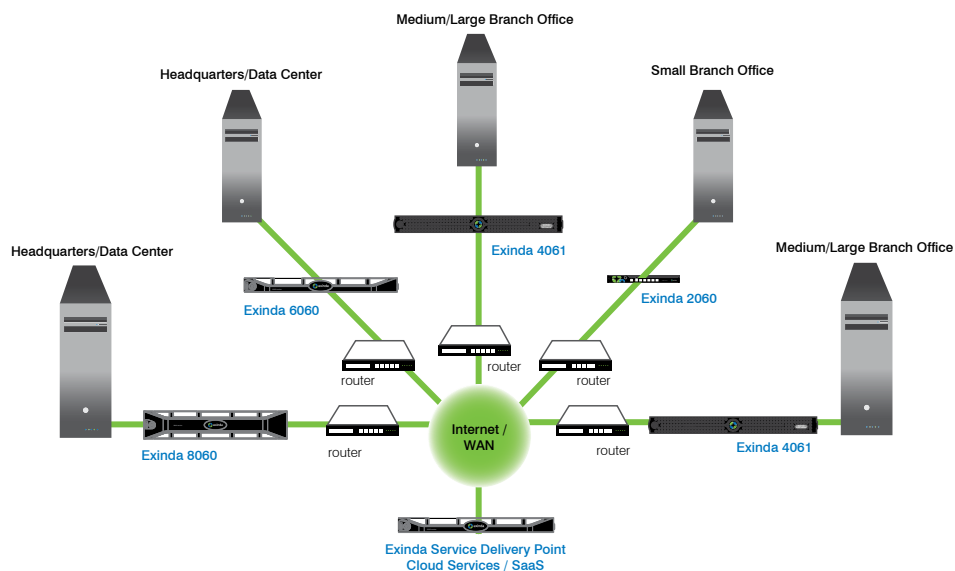
The challenge faced by IT professionals today, is how to gain visibility into the network, identify what applications and users are causing the congestion and put policies in place to ensure applications and data run smoothly over your network, despite the ever-increasing demand.

The Solution

Exinda provide users with the best network experience possible by maximizing the speed and efficiency of applications over the network.

Exinda's unified performance management (UPM) solution brings together a suite of advanced, best-of-breed, visibility, traffic-shaping and WAN optimization technologies into a single, easy to-use appliance designed to improve network productivity.

Exinda is the only unified performance management solution on the market. Controlled through a seamlessly integrated, unified management console, Exinda reduces costs, increases revenue and allows you to get the most out of your network.



The Exinda 10060

Unified Performance Management for Headquarters/Data Centers



Exinda 10060 Hardware Specifications

Form Factor	19" 2U rack mount
Dimensions	443 x 86 x 681 mm, 17.44" x 3.40" x 26.80"
Weight	26.1 kg / 57.52 lb
CPU	2x Intel Xeon X7560 2.26GHz
RAM	32GB Memory (16x2GB), 1066MHz, Dual Ranked RDIMMs
HDD	6 x 500GB 7.2K RPM Near-Line SAS 2.5in HotPlug Hard Drive
Data Store / Cache Size	1.2TB
NICs (default)	4 x 10/100/1000 copper (onboard) + 2 x 10/100/1000 copper bypass (slot 1)
NICs (expandable to)	4 x 10/100/1000 copper (onboard) + 32 x 10/100/1000/10000 copper/fiber
Bridges/Bypass Pairs (default)	1
Bridges/Bypass Pairs (expandable to)	16
Interface NIC Slots	6
Console	RS-232 male DB-9
Power Supply Type	Dual Internal, Hotswap
Power Rating	Two redundant 1100W hot-plug power supplies
Environment	0-40C, storage temp 20-80C relative humidity 0-90% (non-condensing)
Approvals	CE,FCC, Certified/RoHS

Software Specifications

x700 Software
Visibility & Control

x800 Software
Visibility, Control
& Optimization

Licensed Bandwidth (full duplex)	2.5G	5G	10G	155	310
Max. Device Throughput (Mbps)	10,000	10,000	10,000	10,000	10,000
Max. Concurrent Flows	5,000,000	8,000,000	16,000,000	1,024,000	1,024,000
Max. L7 New Connection Rate	30,000	60,000	120,000	10,000	10,000
Reports (PDF)	100	100	100	100	100
SLAs	300	300	300	300	300
APS Objects	300	300	300	300	300
Policies	4,096	4,096	4,096	4,096	4,096
				10,000	12,000
				155	310
				2.5	5
				1.5	1.5
				1.2	1.2

The Exinda 8060

Unified Performance Management for Headquarters/Data Centers



Exinda 8060 Hardware Specifications

Form Factor	19" 2U rack mount
Dimensions	443 x 86 x 681 mm, 17.44" x 3.40" x 26.80"
Weight	26.1 kg / 57.52 lb
CPU	2 x E5530 Xeon Processor, 2.4GHz 8M Cache, Turbo, HT, 1066MHz Max Memory
RAM	12GB Memory (6 x 2GB), 1333MHz Dual Ranked UDIMMs for 2 Processors
HDD	6 x 500 GB 7.2K RPM Near Line SAS 3.5" Hot Plug Hard Drive (RAID 10)
Data Store / Cache Size	1.2TB
NICs (default)	4 x 10/100/1000 copper (onboard) + 2 x 10/100/1000 copper bypass (slot 1)
NICs (expandable to)	4 x 10/100/1000/1000 copper (onboard) + 24 x 10/100/1000/10000 copper/fiber
Bridges/Bypass Pairs (default)	1
Bridges/Bypass Pairs (expandable to)	12
Interface NIC Slots	4
Console	RS-232 male DB-9
Power Supply Type	Dual Internal, Hotswap
Power Rating	Dual power supply (570W) - Redundant Auto Ranging (100V~240V)
Environment	0-40C, storage temp 20-80C relative humidity 0-90% (non-condensing)
Approvals	CE,FCC, Certified/RoHS

Software Specifications

x700 Software Visibility & Control

x800 Software Visibility, Control & Optimization

Licensed Bandwidth (full duplex)	100	250	500	1G	2.5G	100	155
Max. Device Throughput (Mbps)	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Max. Concurrent Flows	2,048,000	2,048,000	2,048,000	2,048,000	5,120,000	512,000	512,000
Max. L7 New Connection Rate	6,000	6,000	6,000	6,000	6,000	6,000	6,000
Reports (PDF)	80	80	80	80	80	40	40
SLAs	250	250	250	250	250	250	250
APS Objects	250	250	250	250	250	250	250
Policies	2,048	2,048	2,048	2,048	2,048	2,048	2,048
						6,000	7,000
						100	155
						500	1,000
						1.5	1.5
						1.2	1.2

The Exinda 6060

Unified Performance Management for Headquarters/Data Centers



Exinda 6060 Hardware Specifications

Form Factor	19" 1U rack mount
Dimensions	434 x 43 x 627 mm, 17.09" x 1.69" x 24.69"
Weight	11.8 kg / 31 lb
CPU	Intel® Xeon® E5504, 2.00GHz/4M,4C 80W
RAM	6GB Memory (3x2GB), 1333MHz Dual Ranked UDIMMs
HDD	500GB 7.2K RPM SATA 3.5"
Data Store / Cache Size	385GB
NICs (default)	2 x 10/100/1000 copper (onboard) + 2 x 10/100/1000 copper bypass (slot 1)
NICs (expandable to)	2 x 10/100/1000 copper (onboard) + 6 x 10/100/1000/10000 copper/fiber
Bridges/Bypass Pairs (default)	1
Bridges/Bypass Pairs (expandable to)	3
Interface NIC Slots	1
Console	RS-232 male DB-9
Power Supply Type	Dual Internal, Hotswap
Power Rating	Dual power supply (500W) - Redundant Auto Ranging (100V~240V)
Environment	0-40C, storage temp 20-80C relative humidity 0-90% (non-condensing)
Approvals	CE,FCC, Certified/RoHS

Software Specifications

Licensed Bandwidth (full duplex)	x700 Software Visibility & Control					x800 Software Visibility, Control & Optimization			
	45	100	250	500	1G	10	20	45	
Max. Device Throughput (Mbps)	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	
Max. Concurrent Flows	512,000	512,000	768,000	1,024,000	1,024,000	256,000	384,000	384,000	
Max. L7 New Connection Rate	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Reports (PDF)	20	20	40	60	60	20	30	40	
SLAs	100	100	250	250	250	100	100	250	
APS Objects	200	200	200	200	200	200	200	200	
Policies	1,024	1,024	1,536	2,048	2,048	1,024	1,536	1,536	
						Accelerated Connections	3,000	3,500	4,000
						WAN Optimization (Mbps)	10	20	45
						Max WAN Shaped/QoS (Mbps)	100	500	1000
						Disk Size (GB)	500	500	500
						Data Storage (GB)	385	385	385

The Exinda 4061

Unified Performance Management for Medium/Large Branch Offices



Exinda 4061 Hardware Specifications

Form Factor	19" 1U rack mount
Dimensions	431 x 42.6 x 393.7 mm, 17.1" x 1.67" x 15.50"
Weight	11.8 kg / 26 lb
CPU	Intel® Core™ i3 530 2.93GHz, 4M Cache, 2C/4T
RAM	2GB Memory (1x2GB), 1333MHz, Dual Ranked UDIMM
HDD	250GB 7.2k RPM Serial ATA 3Gbps 3.5-in
Data Store / Cache Size	195GB
NICs (default)	2 x 10/100/1000 copper (onboard) + 2 x 10/100/1000 copper bypass (slot 1)
NICs (expandable to)	2 x 10/100/1000 copper (onboard) + 6 x 10/100/1000/10000 copper/fiber
Bridges/Bypass Pairs (default)	1
Bridges/Bypass Pairs (expandable to)	3
Interface NIC Slots	1
Console	RS-232 male DB-9
Power Supply Type	Internal, Fixed
Power Rating	Single power supply (345W), Auto Ranging (100V~240V)
Environment	0-40C, storage temp 20-80C relative humidity 0-90% (non-condensing)
Approvals	CE,FCC, Certified/RoHS

Software Specifications

x700 Software Visibility & Control

x800 Software Visibility, Control & Optimization

Licensed Bandwidth (full duplex)	2	10	15	20	45	100	155	250	1	2	3	6	10	20
Max. Device Throughput (Mbps)	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Max. Concurrent Flows	64,000	128,000	128,000	256,000	256,000	384,000	512,000	768,000	32,000	64,000	64,000	128,000	256,000	384,000
Max. L7 New Conn Rate	300	300	300	300	300	300	300	300	300	300	300	300	300	300
Reports (PDF)	4	6	8	10	16	20	20	20	4	6	6	8	10	12
SLAs	70	100	100	120	120	150	150	150	40	60	60	80	100	120
APS Objects	150	150	150	150	150	150	150	150	150	150	150	150	150	150
Policies	128	256	256	384	384	512	512	512	128	128	128	256	256	384
									500	750	900	1,000	1,250	1,500
									1	2	3	6	10	20
									2	15	15	15	45	155
									250	250	250	250	250	250
									195	195	195	195	195	195

The Exinda 2060

Unified Performance Management for Small Branch Offices



Exinda 2060 Hardware Specifications

Form Factor	19" 1U rack mount
Dimensions	431 x 44 x 277 mm, 17" x 1.7" x 10.9"
Weight	5 kg / 11 lb
CPU	1GHz Celeron
RAM	2GB
HDD	160GB
Data Store / Cache Size	112GB
NICs (default)	5 x 10/100/1000
NICs (expandable to)	not expandable
Bridges/Bypass Pairs (default)	2
Bridges/Bypass Pairs (expandable to)	not expandable
Interface NIC Slots	not expandable
Console	1 x COM Port (RJ-45)
Power Supply Type	Internal
Power Rating	Single power supply (150W), Auto Ranging (100V~240V)
Environment	0-40C, storage temp 20-80C relative humidity 0-90% (non-condensing)
Approvals	CE,FCC, Certified/RoHS

Software Specifications

Licensed Bandwidth (full duplex)	x700 Software Visibility & Control			x800 Software x700 with Optimization		
	2	10	20	1	2	6
Max. Device Throughput (Mbps)	1,000	1,000	1,000	1,000	1,000	1,000
Max. Concurrent Flows	32,000	32,000	32,000	32,000	32,000	32,000
Max. L7 New Connection Rate	30	30	30	30	30	30
Reports (PDF)	4	4	4	4	4	4
SLAs	10	10	20	10	10	20
APS Objects	20	20	20	20	20	20
Policies	64	128	128	64	128	128
Accelerated Connections				100	150	250
WAN Optimization (Mbps)				1	2	6
Max WAN Shaped/QoS (Mbps)				10	10	20
Disk Size (GB)				160	160	160
Data Storage (GB)				120	120	120

Exinda Service Delivery Point

Unified Performance Management for Distributed Deployments

Exinda Service Delivery Point

Gain greater network visibility, control, and optimization while reducing costs and management time. Designed for enterprise network environments looking to centrally manage multi-box Exinda deployments. The Exinda Service Delivery Point is available as Cloud Services/SaaS model or as a server to be housed at the location of your choosing.

The Challenge

Managing WAN Optimization appliances deployed throughout growing corporate networks can be complicated. Traditional centralized management systems are often fraught with prolonged implementations, high failure rates and high costs. IT managers are challenged by need to avoid these common pitfalls while ensuring the highest level of performance for their users.

The Solution

Exinda's Service Delivery Point (SDP) is a revolutionary platform for centrally managing Exinda appliances distributed throughout the corporate network. As a hosted service, SDP further simplifies the task of installing, configuring, monitoring and reporting WAN optimization appliances.

The SDP offering is one of Exinda's key differentiators in the Traffic Shaping & WAN optimization space. A fundamental component of Exinda's Unified Performance Management solution, it rounds out the Exinda product line and makes it the most comprehensive and effective solution for achieving peak application performance.

With secure access via a Web browser, SDP subscribers gain full visibility into network usage and control over applications at any WAN site. SDP helps IT managers to identify and control the underlying causes of poor network performance whether it be unwanted recreational peer-to-peer traffic or a misconfigured server.

Custom reports provide a granular analysis of network usage, top applications and top URLs. This information is critical in setting an optimal network policy, throttling back applications and for future capacity planning. Exinda's solution focuses on network usage at application Layer 7 while most other competitive solutions focus on network Layer 3. Layer 3 management cannot differentiate between mission critical applications and unwanted recreational applications such as Skype and social networking applications. Reports can be tailored for individual appliance, region wide appliances or corporate wide.

Exinda's SDP is the industry's first software-as-a-service for centrally managing WAN optimization appliances. SDP offers significant advantages over traditional centralized management systems by eliminating the need to buy, install, maintain and upgrade management hardware and software. From a cost perspective, SDP requires no capital investment and has no hidden costs. In fact, it offers a 70-90 percent cost saving compared to competitive systems.

Features & Benefits

- Further simplifies management of Exinda appliances
- Eliminates costs, risks and complexity of traditional centrally management systems
- Generates quick ROI
- Minimizes staff required for WAN optimization
- Equips IT manager with key statistics for establishing network policy
- Aids in problem resolution and capacity planning
- Secure management of WAN appliances via a Web browser
- Corporate-wide, regional and individual appliance monitoring and reporting
- Custom reports on network utilization, top applications and URLs accessed
- Historical statistics available for capacity planning
- Licensed by the number of appliances to be managed
- Unlimited number of users at no extra fee
- No set up fee

Total Cost of Ownership Comparison

Total Cost of Ownership

Number of Units	
Application License & Subscription	
Support & Upgrade Costs	
Implementation & Customization	
IT Infrastructure & Hosting Costs	
IT Personnel Support	
Training Costs (Administrative and End Users)	
Total Cost (in U.S. Dollars)	

Traditional CMS

Number of Units	50
Application License & Subscription	\$ 31,500
Support & Upgrade Costs	\$ 3,400
Implementation & Customization	\$ 15,000
IT Infrastructure & Hosting Costs	\$ 6,000
IT Personnel Support	\$ 15,000
Training Costs (Administrative and End Users)	\$ 5,500
Total Cost (in U.S. Dollars)	\$ 76,400

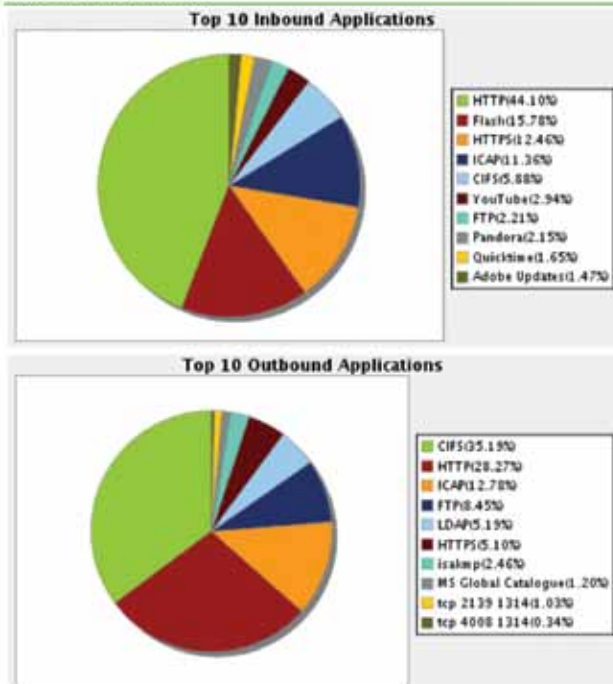
Exinda SDP

Number of Units	50
Application License & Subscription	\$ 16,200
Support & Upgrade Costs	\$ 0
Implementation & Customization	\$ 4,500
IT Infrastructure & Hosting Costs	\$ 0
IT Personnel Support	\$ 2,000
Training Costs (Administrative and End Users)	\$ 2,000
Total Cost (in U.S. Dollars)	\$ 24,700

* Costs for implementation and training may vary

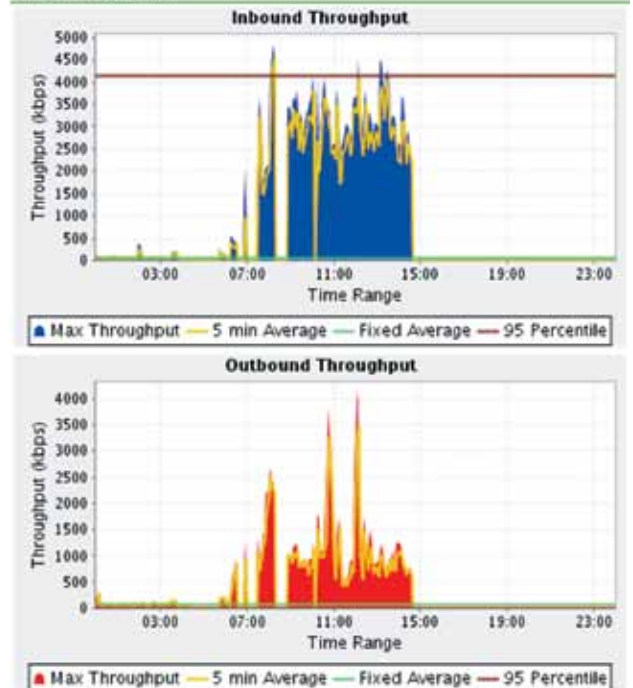
* Numbers are based on two 100-Mbps appliances, two 45-Mbps appliances and 46 2-Mbps appliances

Daily Applications Report



Sample SDP report showing top 10 daily inbound / outbound applications.

Daily WAN Utilization



Sample SDP report showing total inbound / outbound link utilization.

Exinda Network Expansion Modules

Customize Your Exinda Appliance to Meet Your Needs

Exinda Network Expansion Modules

Exinda's Network Expansion Modules provide users with the ability to integrate and connect their Exinda appliance into any type of network infrastructure. Each of the nine module options have been designed with bypass circuitry in order to ensure maximum reliability and up time for your network.

Network Expansion Module Comparison



Module	EX-NEM60-G2BP	EX-NEM60-G4BP	EX-NEM60-G6BP	EX-NEM60-G4BPFI-SX	EX-NEM60-G4BPFI-LX	EX-NEM60-10G2BPi-CX4	EX-NEM60-10G2BPi-SR	EX-NEM60-10G2BPi-LR
Technology	Copper Ethernet	Copper Ethernet	Copper Ethernet	Fiber 4-port 1Gbps bypass - SX	Fiber 4-port 1Gbps bypass - LX	Copper Ethernet	Fiber 2-port 10Gbps bypass (SR) short range	Fiber 2-port 10Gbps bypass (LR) long range
Ports	2-port 1Gbps bypass	4-port 1Gbps bypass	6-port 1Gbps bypass			2-port 10Gbps bypass		

Model	Slot	EX-NEM60-G2BP	EX-NEM60-G4BP	EX-NEM60-G6BP	EX-NEM60-G4BPFI-SX	EX-NEM60-G4BPFI-LX	EX-NEM60-10G2BPi-CX4	EX-NEM60-10G2BPi-SR	EX-NEM60-10G2BPi-LR
4060	Slot 1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Slot 2	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4061	Slot 1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
6060	Slot 1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
8060	Slot 1	Yes	Yes	Yes	Yes	Yes	Yes*	Yes*	Yes*
	Slot 2	Yes	Yes	Yes	Yes	Yes	Yes*	Yes*	Yes*
	Slot 3	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Slot 4	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
10060	Slot 1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Slot 2	Yes	Yes	Yes	Yes	Yes	Yes*	Yes*	Yes*
	Slot 3	Yes	Yes	N/A	N/A	N/A	Yes	N/A	N/A
	Slot 4	Yes	Yes	N/A	N/A	N/A	Yes	N/A	N/A
	Slot 5	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Slot 6	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Note: Product Extensions for xx60 model series only. Integrated bypass allows fail-over for fiber cards

Yes* Supports up to 8 Gbps full duplex per card

Exinda Direct is a “follow the sun” on-demand support and services organization that provides pre and post-sales technical support and customer enablement. The goal of Exinda Direct is to provide the systems engineering assistance and technical resources you need to efficiently install, service and support Exinda products. Available 24/7 365 days of the year, the Exinda Direct system engineering team acts as an extension of your internal IT organization by providing technical expertise to support your Exinda product deployment.

To provide our end-user customers with the most dependable, quality WAN Optimization service solutions, Exinda Direct features its Global Services and Support portfolio. This portfolio includes Support Services, Premium Services, Implementation Services and Performance Services.

This Global Services and Support portfolio comprise a number of support offerings to meet your post-installation maintenance and reliability needs. They will enable you to select from a menu of maintenance and value-added services, which are designed to be flexible, innovative and ensure optimal network performance.

Exinda Direct Packages

Basic Maintenance Services (5x8)

Basic Maintenance Services are Exinda's entry level technical support services. Basic Maintenance includes four sets of services:

- Telephone Support (Business Day);
- Online Support;
- Software Maintenance, and
- Advanced Hardware Replacement.

Telephone Support

With Telephone Support, customers receive 5x8 telephone access via a toll-free phone number routed directly to an Exinda Direct Engineer at an Exinda Technical Access Center (TAC). There are no restrictions to the number of personnel, or the qualifications of these personnel authorized to make support calls.

Online Support

The Exinda web site provides access for authorized personal to electronic technical support tools and features and is available to you 24/7/365. The website provides the ability to:

- Download all software releases, updates and maintenance releases;
- Online information;
- Online course registration;
- Access to technical documentation; and more.

Software Maintenance

We provide electronically via the internet, Generally Available (GA) software releases, maintenance updates, patches, and fixes to customers.

Advanced Hardware Replacement

After initiating the return process, you will receive advance shipment of field-replaceable hardware/components. If a hardware problem is identified and a return materials authorization (RMA) is issued the hardware is replaced on the next available courier service. We will take best efforts to deliver the component the next business day, Monday through Friday, 8:00 a.m. to 5:00 p.m. customer local time (excluding holidays). Exinda makes no representations on the delivery time.

Premium Maintenance Services (24/7/365)

Premium Maintenance Services are Exinda's top level of direct technical support services. Premium Maintenance includes four sets of services:

- Telephone Support 24/7/365
- Online Support;
- Software Updates Service, and
- Advanced Hardware Replacement Service.

Telephone Support

With Telephone Support, customer's receive 24/7/365 telephone access via a toll-free phone number routed directly to an Exinda Direct Engineer at an Exinda Technical Access Center (TAC). There are no restrictions to the number of personnel, or the qualifications of these personnel authorized to make support calls.

Online Support

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Take advantage of Exinda's free 30 day trial

Test out an Exinda appliance in your own environment and see unified performance management first hand.

About Exinda

Proven Global Supplier of Traffic Shaping & WAN Optimization Products



Michael Sharma, CEO of Exinda

Exinda is a proven global supplier of Traffic Shaping & WAN Optimization products. We have installed and maintained network deployments that exceed 1,000 devices. The company has helped over 1,500 organizations in 80 countries worldwide to reduce network operating costs and ensure consistent application performance over the WAN. The Exinda Unified Performance Management (UPM) solution encompasses application visibility, control, optimization and intelligent acceleration – all within a single network appliance that is affordable and easy to manage.

Founded in 2002, Exinda is headquartered in Andover, MA and established regional offices in Canada and the United Kingdom to support the growing global demand for its products and services. Exinda also invests heavily in ongoing Research and Development, which operates in our Melbourne, Australia facilities.

Exinda is a 100% channel business with products being distributed by a worldwide network of solution partners who offer local support and services. For more information, please visit <http://www.exinda.com>.

Exinda's success has been driven by its ability to provide simple solutions that can be easily incorporated in our customers' existing network and produce an immediate impact on network performance.

Glossary

Accelerated Open

Accelerated Open reduces the TCP connection establishment time of subsequent connections. If an application makes multiple connections to the same server (e.g. HTTP), accelerated open eliminates the need to perform the 3-way handshake on all subsequent connections.

Adaptive Response

Intelligent monitoring system with a programmable set of rules that identify and respond to user-defined network events. Set alerts, notifications and run custom scripts based on system wide triggers.

Analyze Citrix Published Applications, URLs, VoIP calls

Inspects the traffic inside a Citrix stream to provide additional traffic management controls.

Application Pipeline

Performs latency and response time optimization through smart round trip elimination. Application Pipeline also enables accelerated connection establishment reducing the time before application data can be sent.

Application Response Measurement (ARM)

Monitor application response times across network and server infrastructure.

Application Performance Score (APS)

Is a key performance indicator used to measure the performance of enterprise data applications. APS is a numerical measure of user satisfaction which converts many measurements (network delay, server delay, network jitter, network packet loss, round trip time) into one number on a uniform scale of 0-to-10 (0 = no users satisfied, 10 = all users satisfied). APS delivers a standardized method to report, benchmark, and track application performance.

Automatic Layer 7 signature updates

Downloads new classification signature files to a device and auto applies the update.

CIFS Acceleration

CIFS protocol specific accelerator.

Classify P2P applications at Layer 7

Identify P2P applications using applications based signatures.

Compression

Removes the redundancy from individual packet payloads and packet streams.

Configuration Templates

Apply common configuration parameters to groups of Exinda appliances.

Continuous classification of ALL traffic flows

Continually monitors connections for reclassification. All packets are analyzed not just the first few packets in a data stream.

Cross flow Compression and Wan Memory

Allows data de-duplication of network traffic across different applications and protocols.

Dashboard Reports

Reports to consolidate WAN wide traffic data from all devices.

Device Inventory

Tracks device model and serial number, IP address, hostname, operational status, annual maintenance status.

Diffserv Packet Marking / Classification

Allows marking of traffic with DSCP, TOS markings.

Dynamic Bandwidth Sharing

Allows policies to share unused traffic with other policies.

Glossary (Continued)

Fair Allocation of Bandwidth per Session

Ensures that all sessions in a policy have equal bandwidth.

Fast Recovery

Fast Recovery handles lost/dropped packets more efficiently compared to traditional TCP. Rather than retransmitting all packets up to and including the lost packet, it only retransmits the lost/dropped packet.

Flexible Policy System

Sets priority and bandwidth for each traffic type and controls all traffic, networks, and users.

Flow Optimization

Improve TCP transmission efficiency for high latency networks and eliminate retransmission of repeated data segments. Flow Optimization helps TCP recover quickly after packet loss.

Full traffic flow analysis with complete drill down

Correlates users with the applications they are using on the network.

Fully transparent implementation (no tunnels)

Retains all original IP header information including source and destination IP address and ports.

Guaranteed Bandwidth

Sets a guarantee on the amount of bandwidth a policy will receive.

Hierarchical Architecture

Divides physical circuits into logical circuits for bandwidth sharing by locations, traffic types, and user groups.

High Speed TCP

High Speed TCP uses TCP window scaling to manipulate window sizes to allow better utilization of links. High Speed TCP also only reports.

Historical monitoring (default 2years)

Stores network traffic statistics for up to 2 years.

Hosted service provided by Exinda, or Appliance managed by customer

Allows centralized management and reporting from many Exinda appliances.

Layer 7 / Deep packet Inspection

Analyzes packet payloads through layer 7 of the OSI model.

Link Utilization

Increase throughput of TCP traffic over high bandwidth and/or high latency links by putting more data on the wire. Link Utilization used TCP window scaling to manipulate window sizes to allow better utilization of links.

MAPI Acceleration

MAPI protocol specific accelerator.

Maximum Bandwidth

Sets a maximum limit on the amount of bandwidth a policy can achieve.

Multiple User & Role Based Administration

Multiple administrators with specific privileges.

No QoS on Policy

Allow traffic to pass through policy without performing QoS functions to perform baseline analysis.

Packet Aggregation

Packet Aggregation takes many small packets from the LAN and bundles them up into a single large packet for the WAN. This significantly reduces header overhead, removing the need for an IP and TCP header for each packet.

Glossary (Continued)

Performance Alarms (AR)

Email alerts based on configured performance criteria selected.

Policy Based Queuing

Performs precise bandwidth allocation and traffic management capabilities.

Provisioning

Performs device provisioning actions such as loading an initial configuration or updating existing configurations.

QoS for all Protocols

Controls every traffic type found on a network.

Real Time Monitoring

Collects and provides network traffic statistics in real time.

Reporting

Allows centralized reporting from many Exinda appliances.

Software updates

Applies software upgrades to many devices simultaneously.

TCP Rate Shaping

Controls the amount of data that is sent on the network by hosts. It prevents traffic bursts that create congestion.

Time of Day Policy Schedules

Allows policies to be deployed automatically at various scheduled times.

Traffic / application discovery within multiple subnets

Drills down into custom defined subnets to allow very precise analysis of network conversations, applications, and hosts communicating to/from a given subnet.

Traffic Discard and Blocking

Discards or Blocks traffic by any combinations of traffic types. Users, applications, networks, combinations.

Traffic Prioritization

Ensures critical data receives highest priority for network resources.

Wan Memory

Identify and cache frequently accessed data, transmitting only the changes.



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