

Exinda Product Guide

A Practical Guide to Unified Performance Management



exinda[®]

performance you can see



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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 productivity.

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

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.

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.

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.

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.

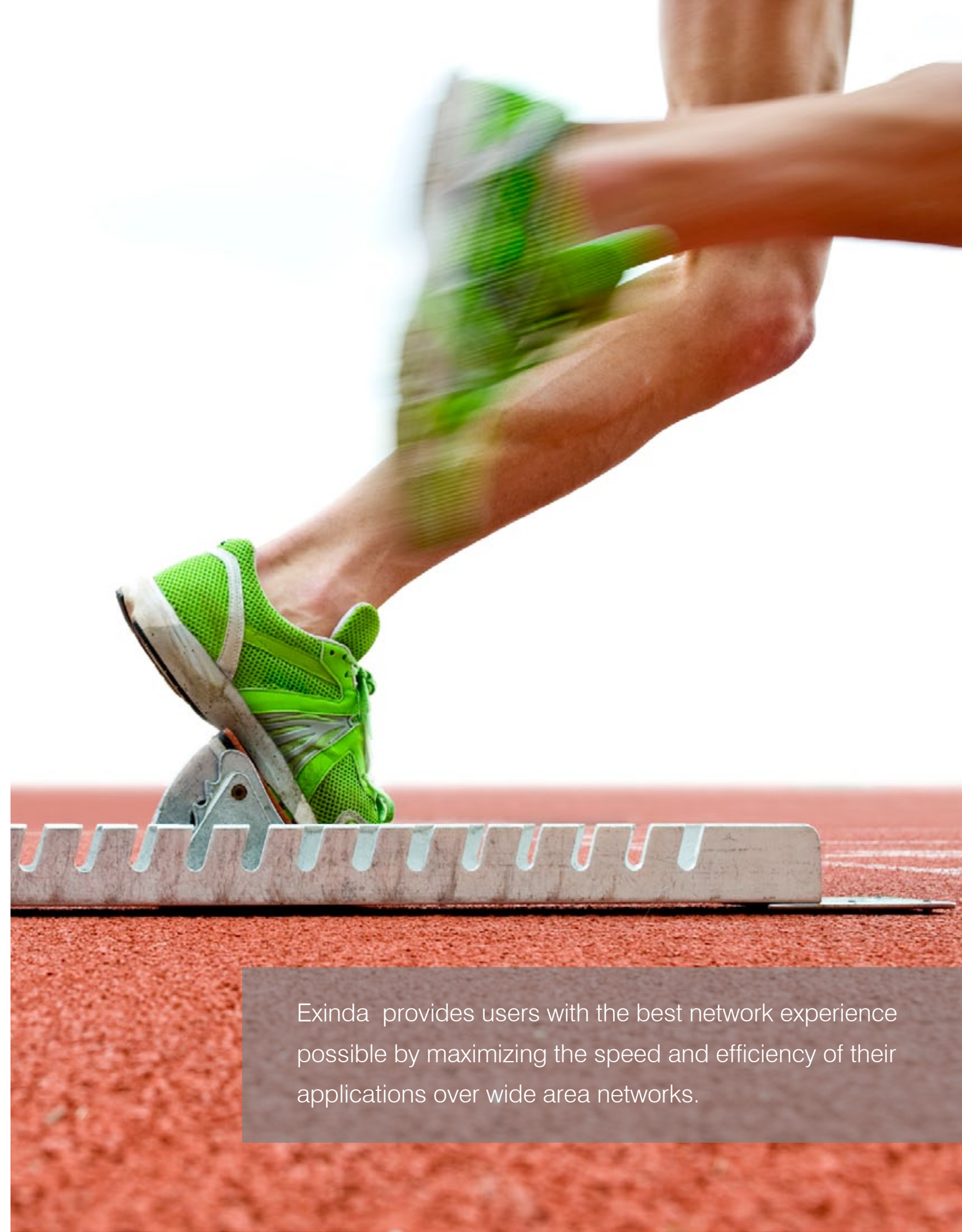
Technical Benefits Include:

- 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

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.



Exinda provides users with the best network experience possible by maximizing the speed and efficiency of their applications over wide area networks.

The Challenge

Business Demand vs. The Network's Ability to Deliver

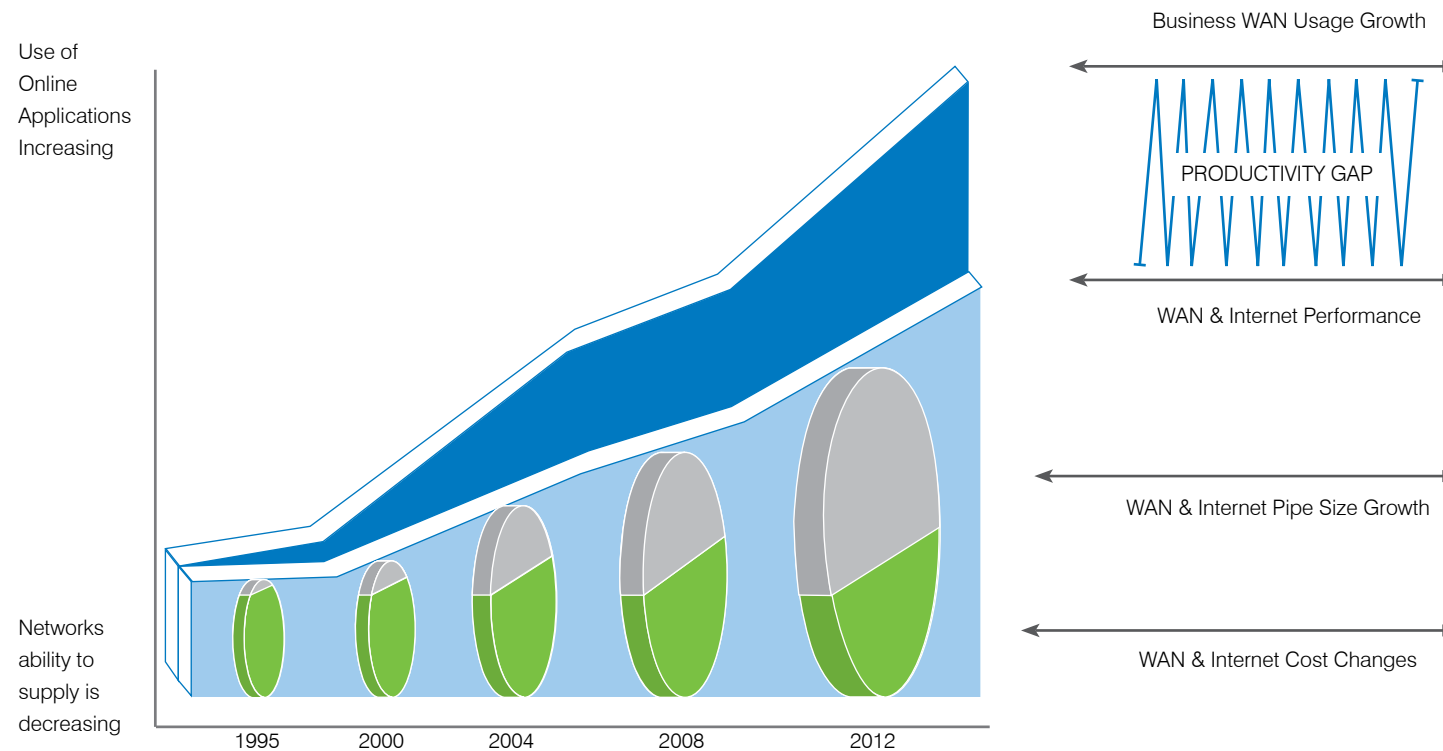
The Productivity Gap

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 usage.

This gap between business demand and network capacity has resulted in productivity losses. Network users spend time waiting at screen (TWAS) as applications compete for finite resources over stressed, over-run networks. This congestion and wasted time translates into substantial costs from a productivity standpoint. Ultimately, the productivity losses dwarf any saving generated by today's lower bandwidth costs.



The Solution

ExOS 5.4, 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.

How Exinda Works

ExOS 5.4

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 Response Time
- Service Level Agreements
- Citrix Published Applications
- Automated PDF Reporting

Control

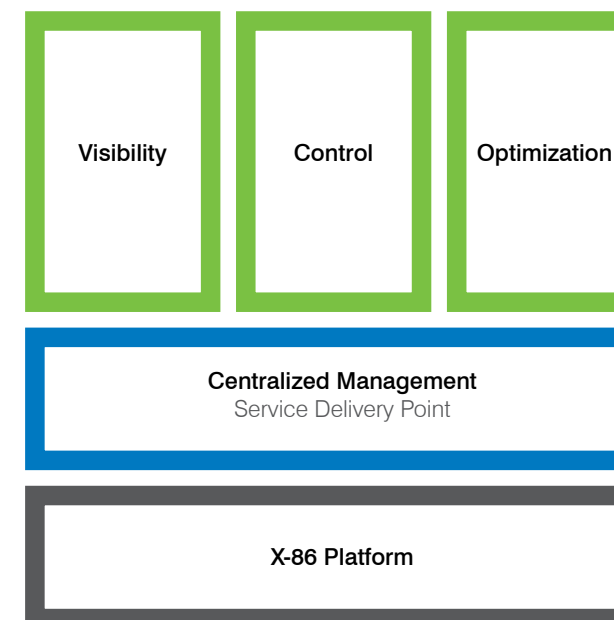
Maximize network resources to the needs of your organization through comprehensive control over network traffic without placing heavy-handed restrictions on users.

- 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



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

- Ed Ryan, Vice President of Products

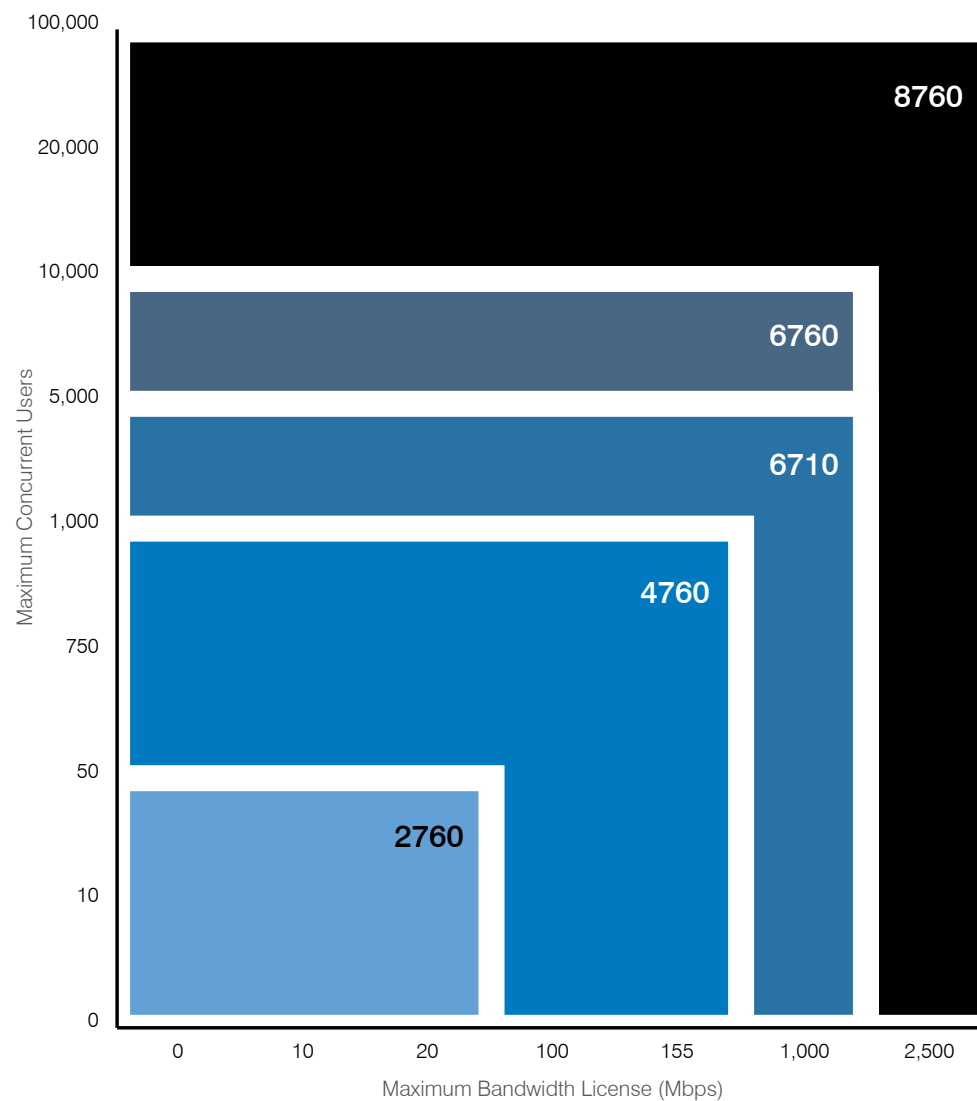
The Exinda Sizing Guide

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

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

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- Heuristic Classification
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Control

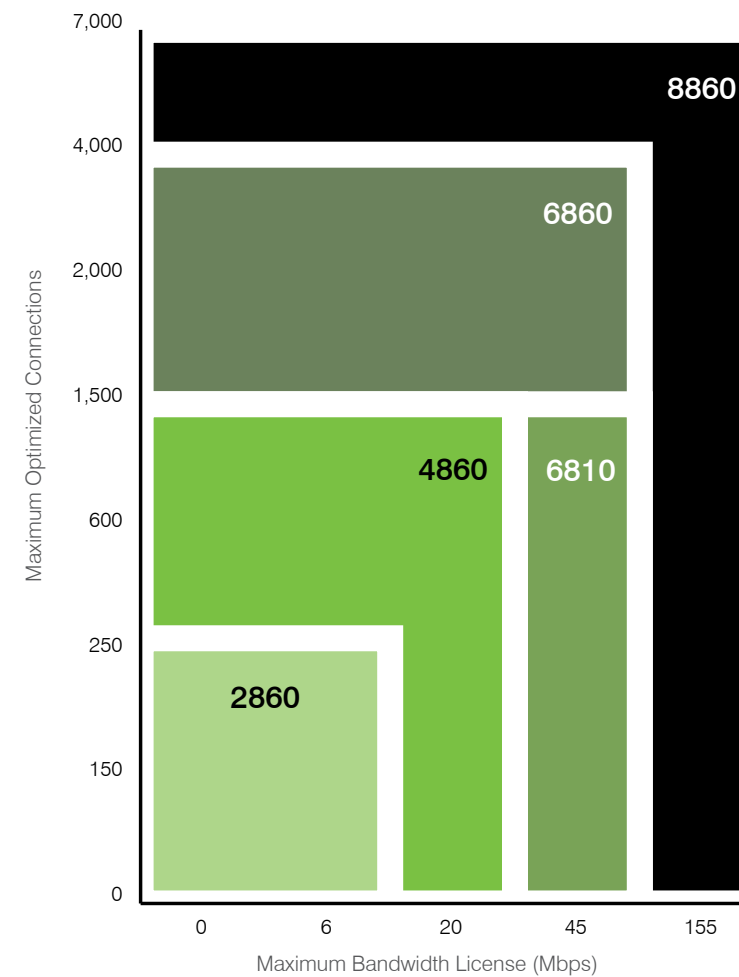
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Visibility, Control & Optimization

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
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Control

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

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.

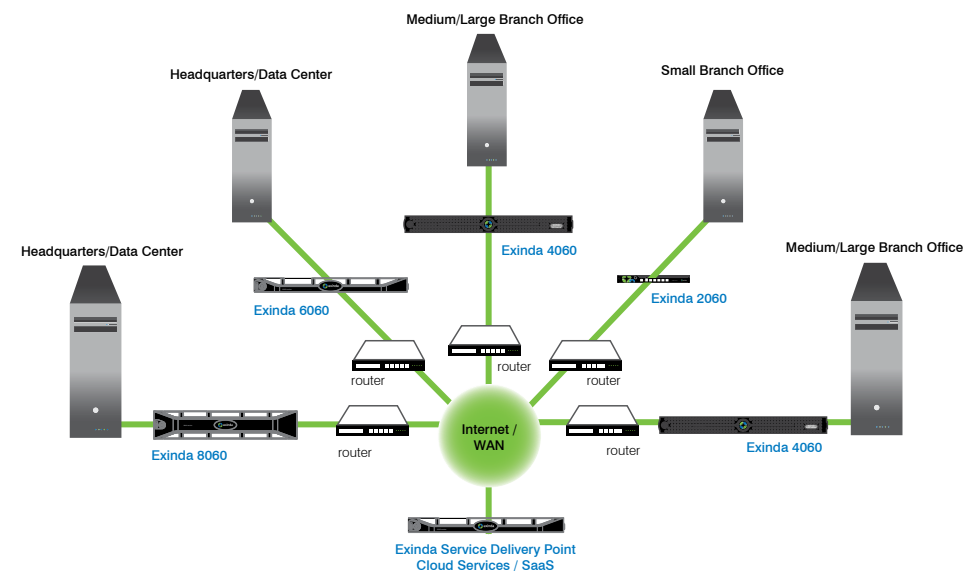
The challenge faced by IT professionals today, is how to gain visibility into the network, identify what applications and users are causing the congestion and put policies in place to ensure applications and data run smoothly over your network, despite the ever-increasing demand?

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 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 10/100/1000/10000 copper (onboard) + 16 x 10/100/1000/10000 copper/fiber
Bridges/Bypass Pairs (default)	1
Bridges/Bypass Pairs (expandable to)	8
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	CF,FCC, Certified/RoHS

Software Specifications

Licensed Bandwidth (full duplex)	x700 Software Visibility & Control					x800 Software Visibility, Control & Optimization	
	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
ARM Objects	30	40	50	50	50	25	25
Policies	2,048	2,048	2,048	2,048	2,048	2,048	2,048
						Accelerated Connections	6,000 7,000
						WAN Optimization (Mbps)	100 155
						Max WAN Shaped/QoS (Mbps)	500 1,000
						Disk Size (TB)	1.5 1.5
						Data Storage (TB)	1.2 1.2

The Exinda 4060

Unified Performance Management for Medium/Large Branch Offices



Exinda 4060 Hardware Specifications

Form Factor	19" 1U rack mount
Dimensions	447 x 43 x 546 mm, 17.6" x 1.67" x 21.50"
Weight	11.8 kg / 26 lb
CPU	Dual Core Intel Pentium E5400 2.7GHz, 3MB Cache, 1066MHz Front Side Bus
RAM	2GB DDR2, 800MHz, 2x1G, Single Ranked DIMMs
HDD	250GB 7.2K RPM SATA 3Gbps 3.5"
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	2
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	CF, FCC, Certified/RoHS

Software Specifications

Licensed Bandwidth (full duplex)	x700 Software Visibility & Control							x800 Software Visibility, Control & Optimization					
	2	10	15	20	45	100	155	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
Max. Concurrent Flows	64,000	128,000	128,000	256,000	256,000	384,000	512,000	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
Reports (PDF)	4	6	8	10	16	20	20	4	6	6	8	10	12
SLAs	70	100	100	120	120	150	150	40	60	60	80	100	120
ARM Objects	5	5	5	10	10	20	20	5	5	5	5	5	10
Policies	128	256	256	384	384	512	512	128	128	128	256	256	384
Accelerated Connections								500	750	900	1,000	1,250	1,500
WAN Optimization (Mbps)								1	2	3	6	10	20
Max WAN Shaped/QoS (Mbps)								2	15	15	15	45	155
Disk Size (GB)								250	250	250	250	250	250
Data Storage (GB)								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	CF, 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
ARM Objects	2	5	5	2	5	5
Policies	64	128	128	64	128	128
Accelerated Connections				100	150	250
WAN Optimization (Mbps)				1	2	6
Max WAN Shaped/QoS (Gbps)				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

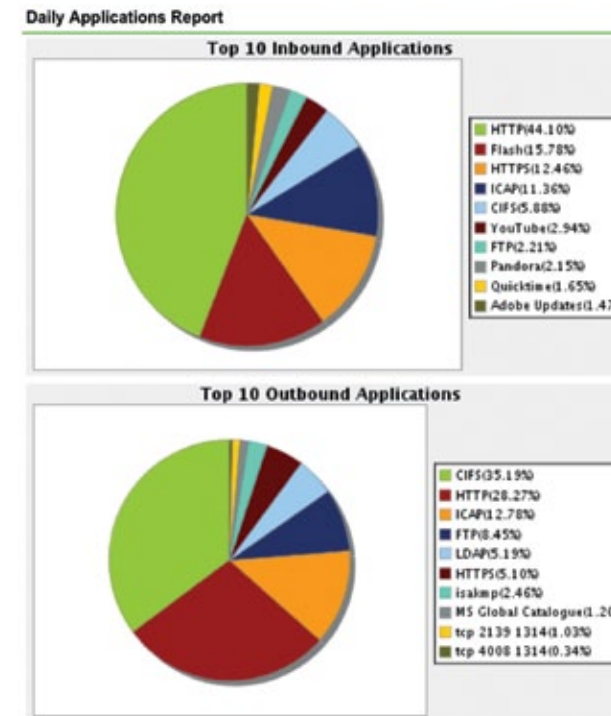
- Further simplifies management of Exinda appliances
- Eliminates costs, risks and complexity of traditional centrally management systems
- Generates quick ROI
- Minimizes staff required for WAN optimization
- Equips IT manager with key statistics for establishing network policy
- Aids in problem resolution 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

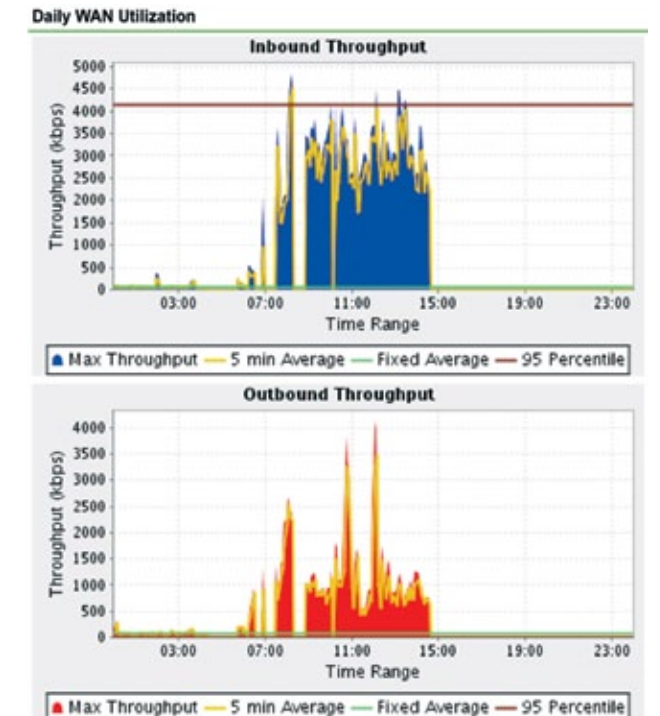
Total Cost of Ownership	Traditional CMS	Exinda SDP
Number of Units	50	50
Application License & Subscription	\$ 31,500	\$ 16,200
Support & Upgrade Costs	\$ 3,400	\$ 0
Implementation & Customization	\$ 15,000	\$ 4,500
IT Infrastructure & Hosting Costs	\$ 6,000	\$ 0
IT Personnel Support	\$ 15,000	\$ 2,000
Training Costs (Administrative and End Users)	\$ 5,500	\$ 2,000
Total Cost (in U.S. Dollars)	\$ 76,400	\$ 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



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



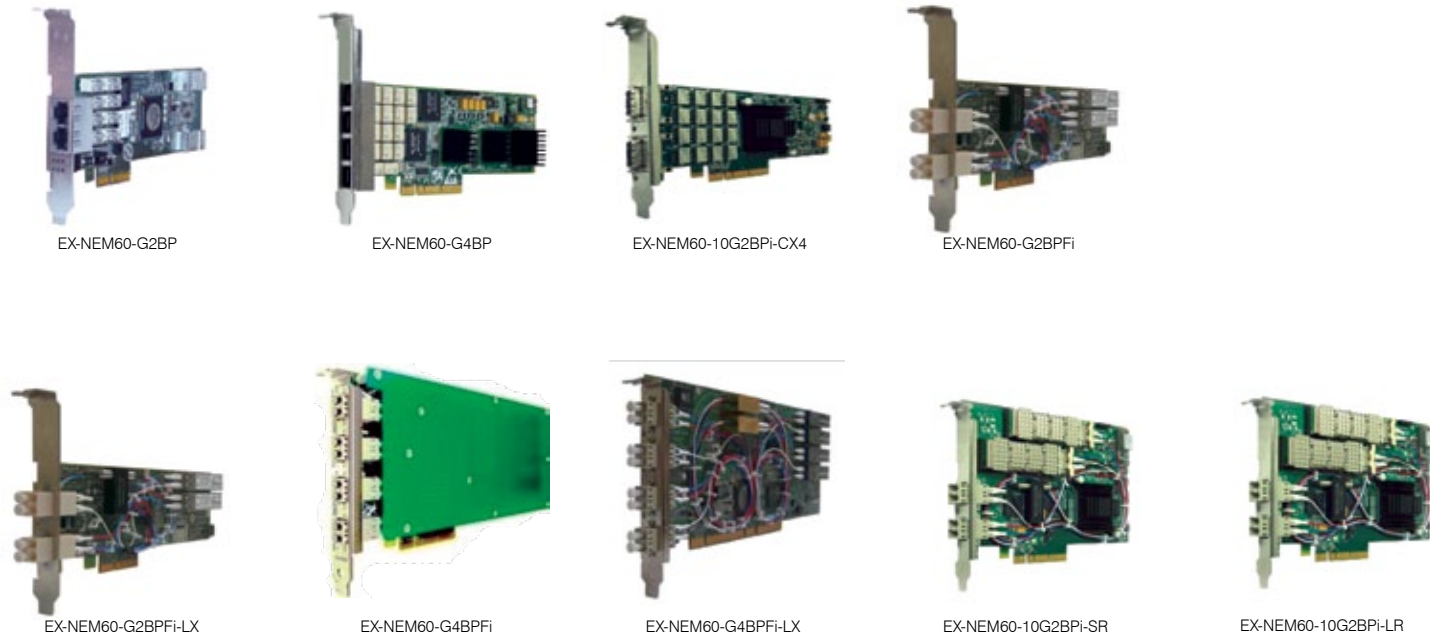
Sample SDP report showing top 10 daily inbound / outbound WAN utilization.

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

Exinda Appliance Compatibility

Network Expansion Module	Description	4060		6060		8060		
		Slot 1	Slot 2	Slot 1	Slot 1	Slot 2	Slot 3	Slot 4
EX-NEM60-G2BP	Copper Ethernet 2-port 1Gbps bypass	Yes	Yes	Yes	Yes	Yes	Yes	Yes
EX-NEM60-G4BP	Copper Ethernet 4-port 1Gbps bypass	Yes	N/A	Yes	Yes	Yes	Yes	Yes
EX-NEM60-10G2BPI-CX4	Copper Ethernet 2-port 10Gbps bypass	Yes	N/A	Yes	Yes*	Yes*	Yes	Yes
EX-NEM60-G2BPFI	Fiber 2-port 1Gbps bypass - SX	Yes	N/A	Yes	Yes	Yes	Yes	Yes
EX-NEM60-G2BPFI-LX	Fiber 2-port 1Gbps bypass - LX	Yes	N/A	Yes	Yes	Yes	Yes	Yes
EX-NEM60-G4BPFI	Fiber 4-port 1Gbps bypass - SX	Yes	N/A	Yes	Yes	Yes	Yes	Yes
EX-NEM60-G4BPFI-LX	Fiber 4-port 1Gbps bypass - LX	Yes	N/A	Yes	Yes	Yes	Yes	Yes
EX-NEM60-10G2BPI-LR	Fiber 2-port 10Gbps bypass (LR) long range	Yes	N/A	Yes	Yes*	Yes*	Yes	Yes
EX-NEM60-10G2BPI-SR	Fiber 2-port 10Gbps bypass (SR) short range	Yes	N/A	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 4 Gbps full duplex per card

Exinda Direct

Exinda's On-Demand Support & Service Organization

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.

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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.

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.

Glossary

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.

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.

Layer 7 / Deep packet Inspection

Analyzes packet payloads through layer 7 of the OSI model.

Classify P2P applications at Layer 7

Identify P2P applications using applications based signatures.

Full traffic flow analysis with complete drill down

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

Automatic Layer 7 signature updates

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

Historical monitoring (default 2years)

Stores network traffic statistics for up to 2 years.

Analyze Citrix Published Applications, URLs, VoIP calls

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

Application Response Measurement (ARM)

Monitor application response times across network and server infrastructure.

Real Time Monitoring

Collects and provides network traffic statistics in real time

Adaptive Response

Set alerts, notifications and run custom scripts based on system wide triggers.

Policy Based Queuing

Performs precise bandwidth allocation and traffic management capabilities.

Traffic Prioritization

Ensures critical data receives highest priority for network resources.

TCP Rate Shaping

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

Fair Allocation of Bandwidth per Session

Ensures that all sessions in a policy have equal bandwidth

Dynamic Bandwidth Sharing

Allows policies to share unused traffic with other policies

Hierarchical Architecture

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

QoS for all Protocols

Controls every traffic type found on a network.

Flexible Policy System

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

Adaptive Response

Intelligent monitoring system with a programmable set of rules that identify and respond to user-defined network events.

Guaranteed Bandwidth

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

Maximum Bandwidth

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

Traffic Discard and Blocking

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

Performance Alarms (AR)

Email alerts based on configured performance criteria selected.

Diffserv Packet Marking / Classification

Allows marking of traffic with DSCP, TOS markings

Time of Day Policy Schedules

Allows policies to be deployed automatically at various scheduled times.

No QoS on Policy

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

Fully transparent implementation (no tunnels)

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

Compression

Removes the redundancy from individual packet payloads and packet streams

Wan Memory

Identify and cache frequently accessed data, transmitting only the changes

Cross flow Compression and Wan Memory

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

CIFS Acceleration

CIFS protocol specific accelerator.

MAPI Acceleration

MAPI protocol specific accelerator.

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

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)

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.

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.

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.

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.

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.

Hosted service provided by Exinda, or Appliance managed by customer

Allows centralized management and reporting from many Exinda appliances.

Provisioning

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

Configuration Templates

Apply common configuration parameters to groups of Exinda appliances

Reporting

Allows centralized reporting from many Exinda appliances

Dashboard Reports

Reports to consolidate WAN wide traffic data from all devices

Multiple User & Role Based Administration

Multiple administrators with specific privileges

Software updates

Applies software upgrades to many devices simultaneously.

Device Inventory

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