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# UNIFIED PERFORMANCE MANAGEMENT

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VISIBILITY | CONTROL | OPTIMIZATION

## COMPLETE WAN OPTIMIZATION

Increase the speed and efficiency of your wide area network.

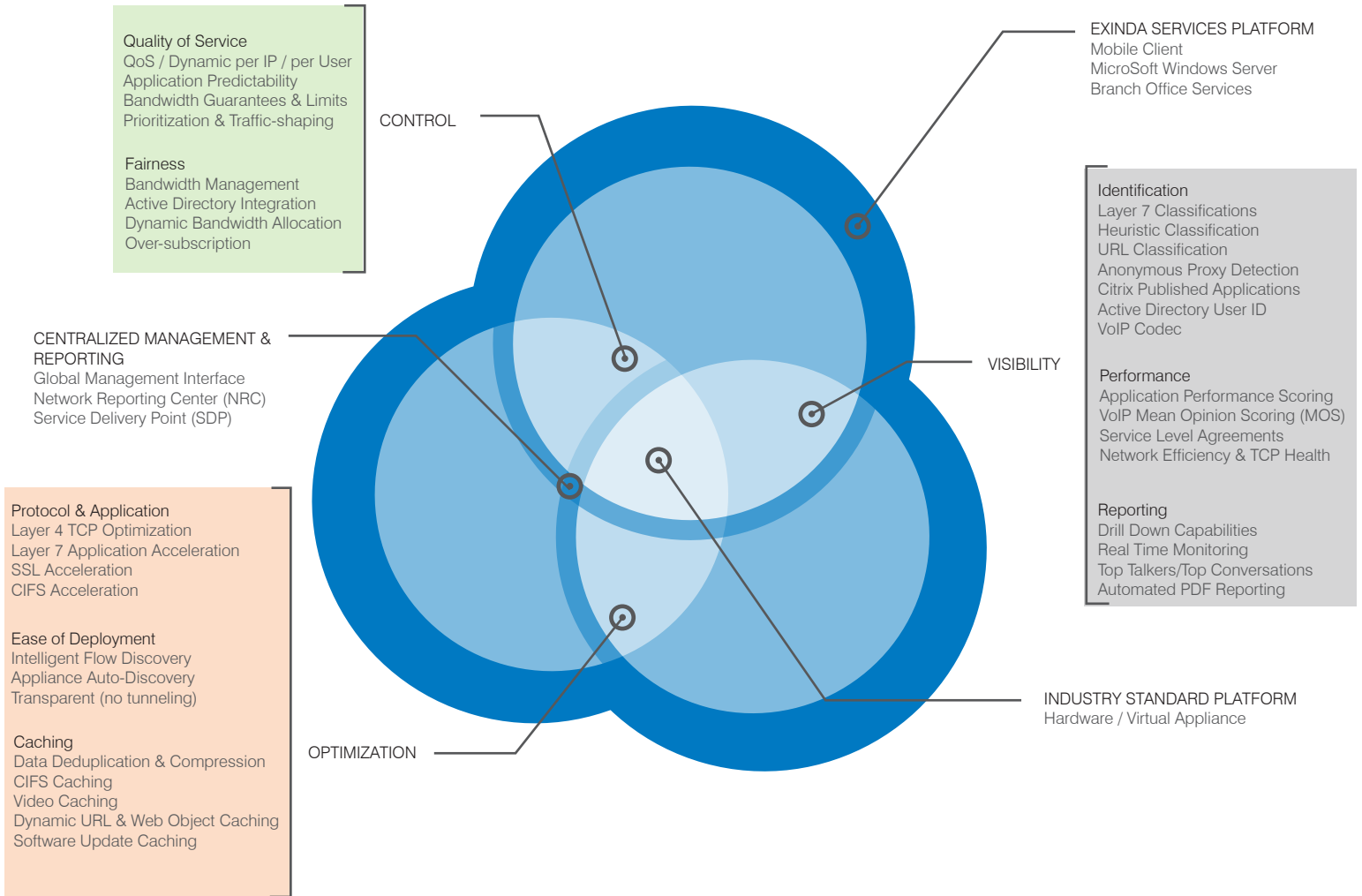
Exinda's Unified Performance Management (UPM) solution delivers everything you need to manage your application performance and ensure the highest quality user experience.

Point solutions lack inter-communication between the functions of visibility, control, and optimization. This creates contention between these independent solutions, as each function is unaware of the effect its actions has on the other.

Exinda's unique, holistic approach to WAN Optimization eliminates the communication barriers and contention of point solutions, by integrating visibility, control and optimization, into a single, unified solution.

# THE FUNDAMENTALS OF UNIFIED PERFORMANCE MANAGEMENT

Exinda's unified solution ensures a complete picture of WAN visibility, control and optimization. Built on a single management platform, Exinda's architecture seamlessly integrates all the components of WAN performance management into a single solution.



## PERFORMANCE YOU CAN SEE

Exinda's deep packet inspection and advanced heuristics engine, including more than 2,000 application signatures, provide you with the ability to visualize all network traffic and make informed decisions on how to improve performance and user experience. See how your policies directly impact traffic flows and create predictable application behavior. Gain confidence with the ability to guarantee application performance and user satisfaction across the wide area network.

### VISIBILITY



The WAN is a chaotic place, with applications and users competing for limited resources. Exinda's visibility, allows you to make informed decisions on managing applications, user experience, and performance.

### CONTROL



Guarantee predictable application performance and improve user experience by shaping traffic and ensuring quality of service (QoS).

### OPTIMIZATION

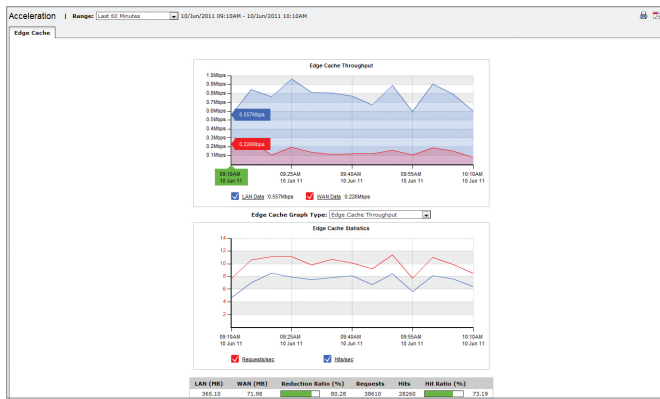


Increase application speed and improve user satisfaction by reducing the footprint of applications on the WAN and accelerating application flows.

# LATEST ADVANCES IN UNIFIED PERFORMANCE MANAGEMENT

Exinda's development team is continually adding new features and functionality into our unified performance management solution. It is because of our agile development cycle and constant push to add innovation to our product line that Exinda has become the fastest growing WAN optimization vendor in the world. The following are some of the latest advances in our UPM solution.

## EDGE CACHE



Exinda Edge Cache will allow you to reduce bandwidth usage, decrease network costs, and accelerate content delivery, improving user experience and productivity.

## Edge Cache

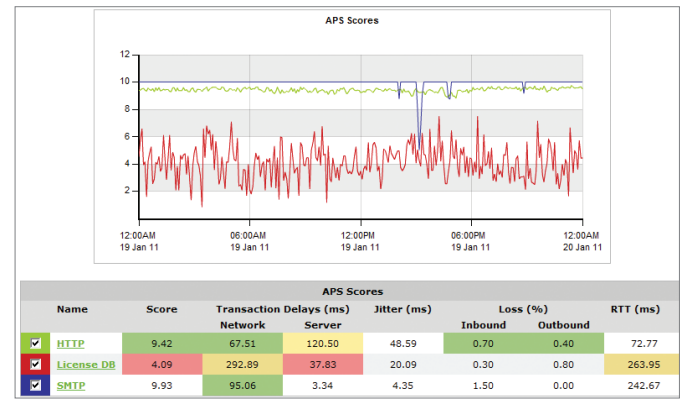
The Exinda Edge Cache™ enables single-sided caching of Internet-based content at the network edge, including web objects, videos and software updates, delivering a superior user experience and reducing WAN resource utilization.

Web objects are cached at the network edge when they are first downloaded from the Internet or across WAN links. These objects can then be delivered to the users on subsequent requests over the corporate local area network much faster without needing to download the data over the WAN again, providing a better user experience and increased productivity to the workforce. By caching web objects in the local office, organizations can drive down the network traffic consumed by each office, which directly reduces network costs.

The Exinda Edge Cache enables caching of web objects, video, software update and other content on the WAN. It also offers cache statistics, which provide insight into the amount of repetitive data being off-loaded from the WAN link, how cacheable the network data is, how frequently the cache is being accessed, and by how many hosts, helping organizations to understand the nature of their network traffic over time.

The Exinda Edge Cache can also be aligned with an organization's optimization policies, allowing the administrator to only cache specific content for specific users or groups of users, and to maintain very precise controls over how much WAN bandwidth should be made available for each application traversing the network.

## APPLICATION PERFORMANCE SCORE



Gain proactive reports on users perception of application performance & responsiveness.

## Application Performance Score

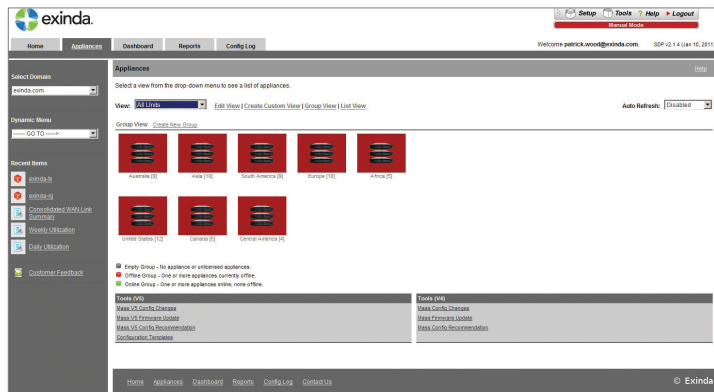
A significant feature of Exinda's WAN Optimization solutions is its ability to provide Application Performance Scores (APS). Exinda's APS provides a single data point to monitor and report on the overall health and performance of an application on your network. With APS, you can set performance thresholds for the applications on your network, and easily monitor if and when the thresholds are met or exceeded. When WAN application performance issues arise, the APS allows you to quickly troubleshoot the problems, by drilling down into individual metrics for the application, including network delay, server delay, jitter and loss, and round trip time, helping you to pinpoint and address the source of the performance issue.

Exinda also allows you to monitor and report on TCP efficiency and health. With Exinda, TCP efficiency reports let you examine how efficiently packets flow through the network, based on the number of dropped packets and retransmitted packets for the application. When combined with Exinda's TCP health monitoring, TCP efficiency reporting gives you a more in-depth view of network and application performance. TCP Health monitoring displays the health of TCP Connections by showing the total number of TCP connections, and how many were aborted, ignored, or refused by the server. With Exinda, you get a simple graphical view of the TCP health of the network, allowing rapid drill down for troubleshooting network and application performance issues.

## UNIFIED PERFORMANCE MANAGEMENT SERVICES

Extend your unified performance management capabilities even further with Exinda's services modules. Each of Exinda's service offerings were developed to enable the highest possible ROI, and help you to save money and time. With Exinda's service modules, you can manage multiple devices, gain visibility into your entire WAN with consolidated reporting, deliver unified performance management to "road warriors" or satellite offices, and much more.

### SDP



Achieve operational efficiency through simplification of provisioning, deployment, and management of many Exinda appliances through a single, global management interface.

## Central Management

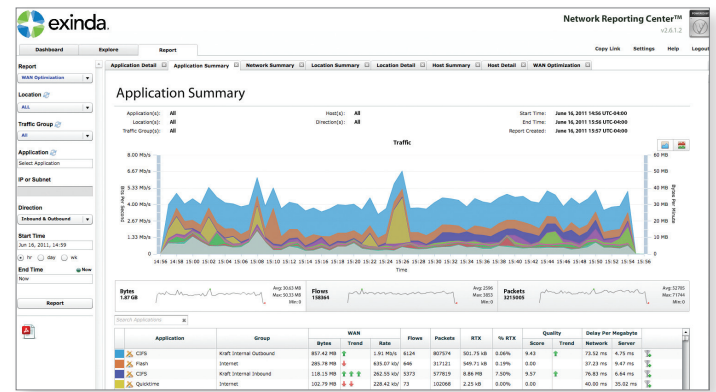
### SERVICE DELIVERY POINT (SDP)

Exinda's Service Delivery Point (SDP) is a revolutionary platform for centrally managing Exinda appliances distributed throughout the corporate network.

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.

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.

### NRC



Powerful centralized reporting providing a global view into business critical applications, WAN utilization, and network and application performance problems for appliances deployed across your entire worldwide network.

## Networking Reporting

### NETWORK REPORTING CENTER (NRC)

Recommended for all multi-box Exinda deployments, Exinda's Network Reporting Center is a WAN and Internet link reporting solution that provides easy to use, real-time troubleshooting and historical reporting at the application layer.

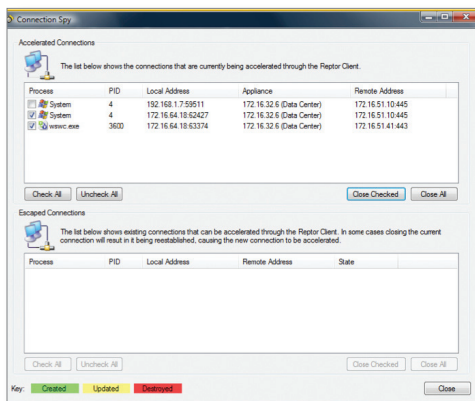
NRC goes beyond port and protocol reporting to show the actual applications and users consuming network resources. It provides one minute granularity and up to two years of historical data. NRC collects information from all of your offices and remote locations and consolidates the data into a single, centralized reporting console. The integrated, live dashboard allows end users to easily keep tabs on network usage and performance, making network monitoring easier than it's ever been before.

## 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.

EX-NEM60-G2BP	EX-NEM60-G4BP	EX-NEM60-G6BP	EX-NEM60-G4BPFi-SX	EX-NEM60-G4BPFi-LX	EX-NEM60-10G2BPFi-CX4	EX-NEM60-10G2BPFi-SR	EX-NEM60-10G2BPFi-LR
Copper Ethernet 2-port 1Gbps bypass	Copper Ethernet 4-port 1Gbps bypass	Copper Ethernet 6-port 1Gbps bypass	Fiber 4-port 1Gbps bypass - SX	Fiber 4-port 1Gbps bypass - LX	Copper Ethernet 2-port 10Gbps bypass	Fiber 2-port 10Gbps bypass (SR) short range	Fiber 2-port 10Gbps bypass (LR) long range

## EMC



Provide fast, secure and reliable access to the business resources and applications the mobile workforce needs to be effective.

## Mobile Client

### EXINDA MOBILE CLIENT (EMC)

The Exinda Mobile Client delivers optimization for mobile client devices. Your users will experience improved response times and download speeds over a wide range of applications – including HTTP/HTTPS, Email, MS Exchange, CRM, ERP, FTP, CIFS file sharing, and collaboration applications such as SharePoint. The Exinda Mobile Client radically improves the remote user experience through compression, caching, de-duplication and protocol optimization.

The client is a Windows based service which is installed on your end-point devices.

## SUPPORT SERVICES

Exinda offers 24 x 7 technical support and services through its global support organization, Exinda Direct. Exinda Direct will assist you every step of the way, from product evaluation, installation, configuration and deployment to ensure that your Exinda products are having maximum impact on network performance. Exinda Direct will work side-by-side your team and act as an extension of your own internal IT organization by providing technical expertise to support your Exinda products and deliver industry best customer service.

### Basic Support

Exinda's entry level technical support offering provides service 8 hours a day, 5 days a week, during business hours. Basic Maintenance includes four sets of services:

- Telephone Support (8 x 5)
- Online Support
- Software Maintenance
- Advanced Hardware Replacement

### Premium Support

Exinda's top level technical support offering provides service 24 hours a day, 7 days a week and 365 days a year to ensure you are always covered. Premium support includes four sets of services:

- Telephone Support (24 x 7 x 365)
- Online Support
- Software Maintenance
- Advanced Hardware Replacement

## EXINDA PRODUCT TRAINING

Our classes range from basic training on networking fundamentals, to advanced courses covering network operations, configuration, design, and optimization.

Course instruction is offered at Exinda facilities located throughout the United States, Europe, and the Pacific Rim. Personalized team trainings are also available upon request.

Have your staff learn how to get the most from your network and Exinda appliances by completing an Exinda training program. All courses are delivered by an Exinda certified engineer and promise to deliver the latest WAN optimization techniques.

## UNIFIED PERFORMANCE MANAGEMENT APPLIANCES

Exinda's family of unified performance management solutions consists of five hardware appliances. The product family provides the agility to scale from small branch offices to large data centers. Since all of Exinda appliances share the same software and management interface, there is no learning curve while moving between appliance models. Built on industry standard hardware, Exinda appliances deliver constant, reliable performance, regardless of network environment.



## UNIFIED PERFORMANCE MANAGEMENT SOFTWARE & LICENSING

All Exinda software features full visibility, control and optimization out of the box. A simple license key unlocks functionality and provides users with an a la carte approach to meet network and budgetary requirements, without losing the advantages of a unified solution.

### x700 SOFTWARE

VISIBILITY | CONTROL

EXINDA MODEL	2760	4761	6760	8760	10760
LICENSED BANDWIDTH (Full Duplex)	up to 20M	up to 250M	up to 1G	up to 2.5G	up to 5G
MAX. CONCURRENT USERS	50	1,000	10,000	100,000	125,000
MAX. DEVICE THROUGHPUT (Mbps)	1,000	10,000	10,000	10,000	10,000
MAX. CONCURRENT FLOWS	32,000	768,000	1,024,000	5,120,000	16,000,000
MAX. L7 NEW CONNECTION RATE	30	300	1,000	6,000	120,000
REPORTS (PDF)	4	20	60	80	100
SLAs	20	150	250	250	300
APS OBJECTS	20	150	200	250	300
POLICIES	128	512	2,048	2,048	4,096
EDGE CACHE MAX. THROUGHPUT (Mbps)	4	20	125	175	225
EDGE CACHE REQUESTS PER SECOND	100	1,500	2,000	2,500	2,500

### x800 SOFTWARE

VISIBILITY | CONTROL | OPTIMIZATION

EXINDA MODEL	2860	4861	6860	8860	10860
LICENSED BANDWIDTH (Full Duplex)	up to 6M	up to 20M	up to 45M	up to 155M	up to 310M
MAX. CONCURRENT OPTIMIZED CONNECTIONS	250	3,000*	7,000	12,000	12,000
MAX. DEVICE THROUGHPUT (Mbps)	1,000	10,000	10,000	10,000	10,000
MAX. CONCURRENT FLOWS	32,000	384,000	384,000	512,000	1,024,000
MAX. L7 NEW CONNECTION RATE	30	300	1,000	6,000	10,000
REPORTS (PDF)	4	12	40	40	100
SLAs	20	120	250	250	300
APS OBJECTS	20	150	200	250	300
POLICIES	128	384	1,536	2,048	4,096
EDGE CACHE MAX. THROUGHPUT (Mbps)	4	20	125	175	225
EDGE CACHE REQUESTS PER SECOND	100	1,500	2,000	2,500	2,500
WAN OPTIMIZATION (Mbps)	6	20	45	155	310
MAX WAN SHAPED/QOS (Mbps)	20	155	1,000	1,000	5,000
DISK SIZE (MB)	160	250	500	1,500**	1,500**
DATA STORAGE (MB)	120	195	385	1,200	1,200

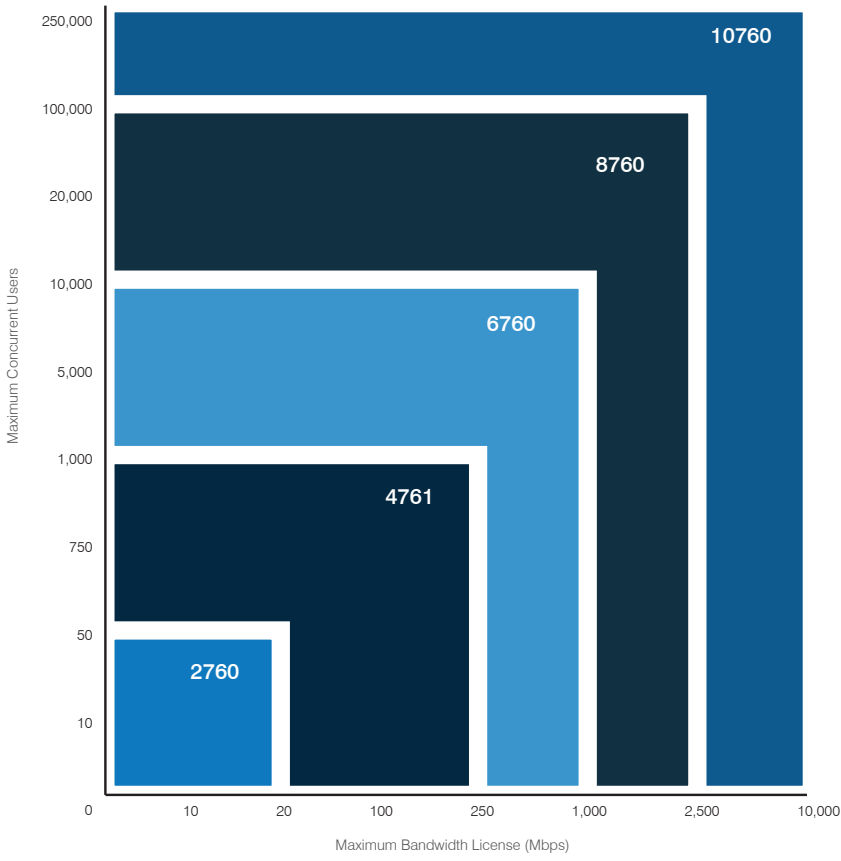
\*4861 performance with 4GB RAM loaded (4861 hardware ships with 2GB RAM by default supporting 1,500 optimized connections - with 2 GB RAM performance could be impacted above 1500 optimized connections).

\*\*6 x 500 GB 7.2K RPM Near Line SAS 3.5" Hot Plug Hard Drive (RAID 10)

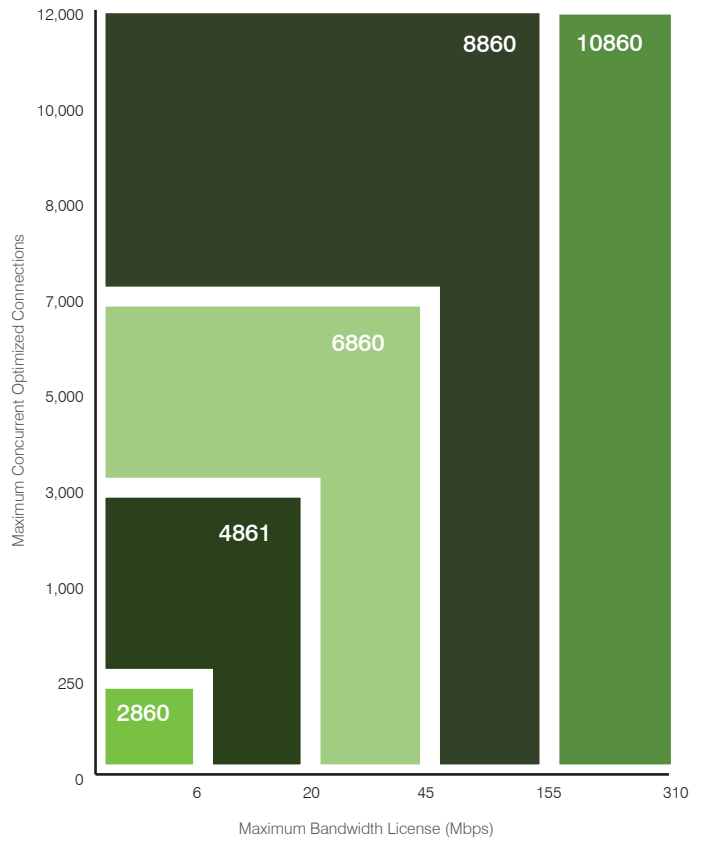
# SIZING AN EXINDA

No matter the size or configuration of your network, there is an Exinda solution for you. To determine which appliance is right for you, just use the sizing guides below. .

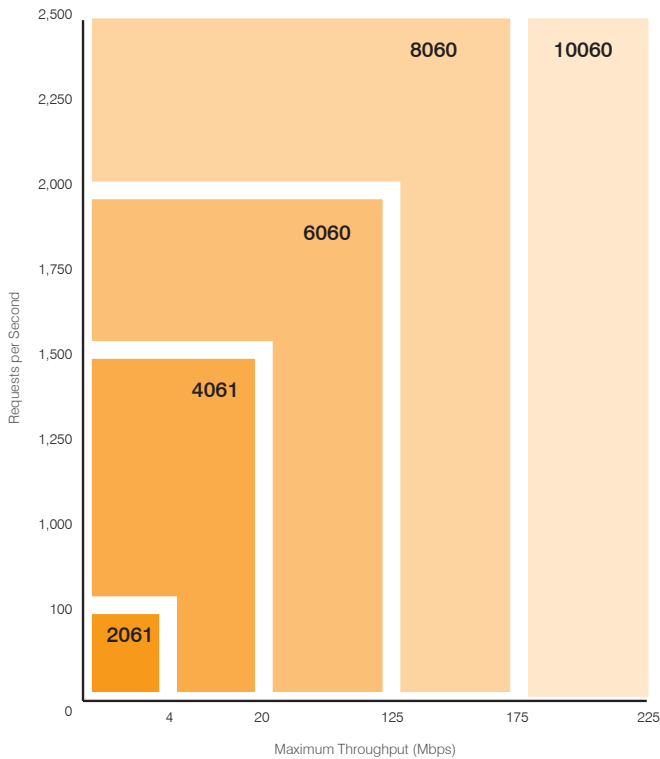
## x700 Sizing Guide



## x800 Sizing Guide



## Exinda Edge Cache Sizing Guide



## ABOUT EXINDA®

Exinda is a proven global supplier of WAN Optimization and Application Acceleration products, having shipped over 10,000 appliances to more than 2,000 organizations worldwide.

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.

Exinda is headquartered in Boston, MA and has established regional offices in around the world to support the growing global demand for its products and services. Exinda is a 100% channel business with products being distributed by a worldwide network of solution partners who offer local support and services.