

Bandwidth Management and QoS for Campus and Guest Networks



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UNIVERSITY



Bentley University (www.bentley.edu), located in Waltham, MA, is one of the nation's leading business schools, with a focus on preparing business leaders with deep technical skills, a broad global perspective and high ethical standards. Students interested in business professions choose from a wide range of programs

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The University had an initiative to block undesirable network traffic centrally for both its campus and guest networks.

"We had a pair of Packeteer PacketShapers but they could not handle our 500 Mb connection. After deploying the EX Series we've had no issues whatsoever. The reporting capabilities are head and shoulders above the PacketShapers, A10 support is responsive and easy to work with and we have much more granular control and visibility of our network."

Todd Marsh
Principal Network Engineer
Bentley University

that address all functional areas including accountancy, finance, marketing, management and liberal arts – all anchored in technology.

Leading by example, Bentley University relies on state-of-the-art technology to assist its students and faculty with research, communication and other learning management systems. To facilitate rapid access to information, the Bentley University IT Team manages two distinct networks: one for campus students and one for faculty and staff.

To manage the bandwidth and deliver quality of service (QoS) for its networks, Bentley University previously deployed Packeteer's PacketShapers. However, with support coming up for renewal, the University evaluated alternative solutions and learned that A10's EX Series high performance bandwidth management appliances deliver increased functionality for the same cost as renewing the PacketShapers. In addition, Bentley University upgraded the bandwidth on its two network links, which would have required license upgrades on the PacketShapers that combined with the renewals would total two to three times the cost of the new EX Series appliances.

Immediately upon deployment, the EX Series blocked undesirable network traffic, such as peer-to-peer (P2P) applications. The EX Series delivers granular visibility into the network so that network traffic can be blocked by LDAP user credentials, IP ranges, departments, dorms and many other

criteria.

In addition, the EX Series functionality can control wireless users' overall bandwidth. For example, the EX Series can manage Bentley University's campus and wireless guest networks under the same platform, so that students are not able to abuse the guest network for additional bandwidth.

EX Series: All Features are Included without Licensing Fees

Bentley University selected A10's EX Series over the incumbent Packeteer PacketShapers, and other competing solutions for the following compelling reasons:

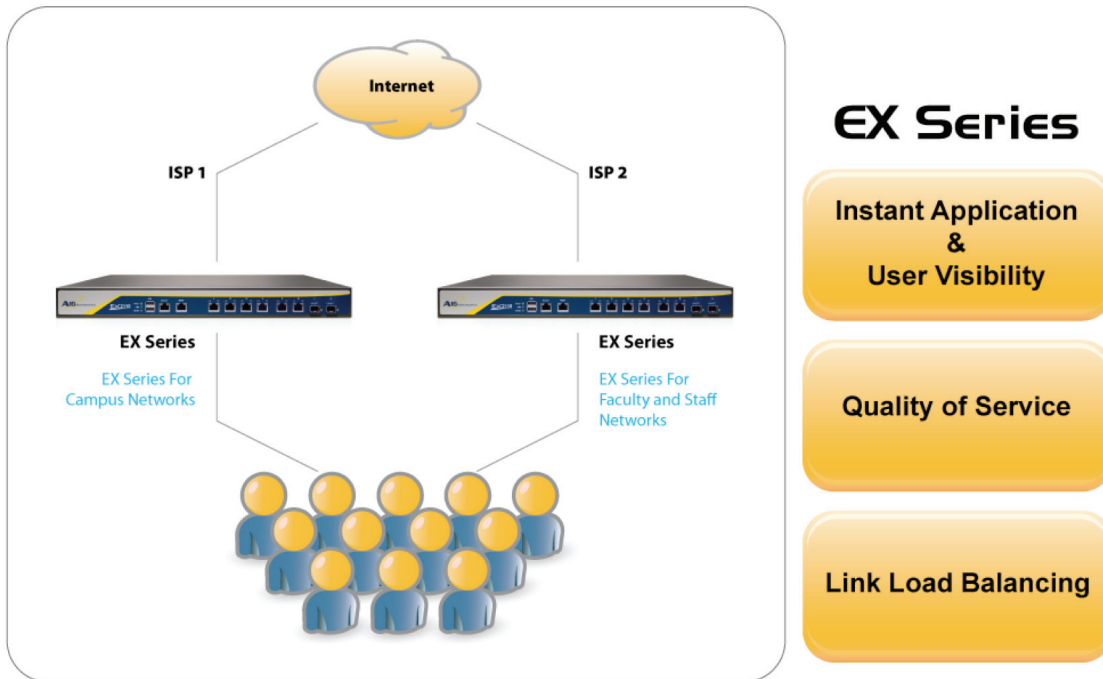
- **Easy Installation:** With seamless drop-in installation, the EX Series delivers immediate benefits to maximize bandwidth with support for over 100 business applications to ensure that the most critical network traffic receives the highest priority across WAN links.
- **Granular Reporting:** The EX Series bandwidth utilization reports quickly identify top protocols, and users consuming too much bandwidth. Graphical real-time and historical reports with drill-down capabilities are available from the Web user interface. PDF, HTML or XML formatted reports may be exported manually or emailed periodically on a configurable schedule.
- **Cost-effective:** With the EX Series, all features and performance are included without additional licensing fees. As such organizations do not have to obtain extra budget when network links are upgraded or additional features are turned on.

In addition to the EX Series, Bentley University also has deployed A10's AX Series Application Delivery Controllers in its data center to maximize application performance, scalability and availability.

Success: Granular Network Control Helps Students Make the Grade

Upon deploying the EX Series, Bentley University was immediately able to block unwanted network traffic so that its campus and wireless guest networks could perform according to requirements. The IT Department is pleased to count on A10's pro-active and highly responsive support team. With EX Series for bandwidth management, Bentley helps its students make the grade by delivering quick information, anytime and anywhere.

Bentley University's Network



About EX Series

The EX Series is the industry's only appliance combining bandwidth management, link management and network monitoring with application and user visibility. This helps organizations optimize and secure their networks by understanding their current network demands at the application and user level, applying traffic policies to enforce network utilization, and increasing reliability or traffic through the use of application prioritization and multiple links. The EX Series is built on a high performance and secure platform for an unmatched solution to optimize the network edge. For more information, please visit: <http://www.a10networks.com/products/exseries.php>

About A10 Networks

A10 Networks was founded in 2004 with a mission to provide innovative networking and security solutions. A10 Networks makes high-performance products that help organizations accelerate, optimize and secure their applications. A10 Networks is headquartered in Silicon Valley with offices in the United States, United Kingdom, France, The Netherlands, Germany, Brazil, Japan, China, Korea and Taiwan. For more information, visit: www.a10networks.com