



Zeus with HP BladeSystem

Optimize network traffic with ZXTM



Make your network and web-enabled applications faster, more reliable, more secure and easier to manage

Increase the value of applications and infrastructure

Despite the best efforts of application developers, many common web and network-enabled application platforms are fragile and unstable, suffering from performance problems, the effects of flash floods, security attacks, and unreliable software components.

Organizations around the globe are looking to improve the reliability, availability, scalability and security of their IT systems, all while reducing internal costs and keeping IT staff focused on strategic technology projects. The responsibility to fix these problems often falls between the application development experts and the network administration team.

Managing your application traffic and infrastructure

ZXTM (Zeus Extensible Traffic Manager) manages your application traffic by inspecting, transforming and routing requests as it load-balances them across the application infrastructure. The powerful TrafficScript™ engine lets you implement the most appropriate traffic management policies for your enterprise, drawing on the whole range of capabilities of ZXTM. The combination of compute-intensive task offloading and integrated content caching can greatly reduce the load on your infrastructure. TCP offload, traffic buffering and HTTP optimizations produce an environment for your applications to run at peak performance and capacity. All these add up to dramatic improvements in service throughput and responsiveness as well as a significantly better return on investment (ROI) and an improved customer experience. With deployment of ZXTM on powerful HP BladeSystems, IT managers can effectively tackle all these application challenges. This tremendous “infrastructure in-a-box” addresses issues of space, power consumption and unified system management.

Solution benefits

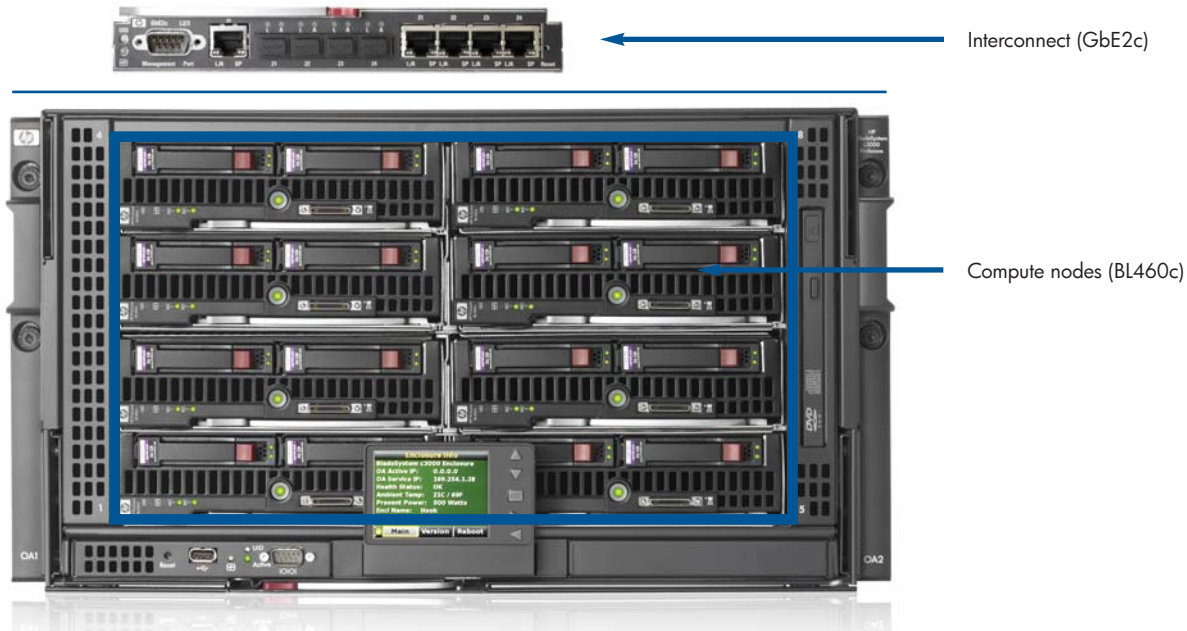
- Service reliability – Active/passive health monitors and continual performance monitoring ensure client requests are load-balanced across your HP BladeSystem infrastructure.
- Application security – Total server isolation, request and response scrubbing, request validation and rate shaping protect your application infrastructure from malicious or incidental flash floods that would otherwise impair the level of service you provide.
- Increased operational efficiencies – ZXTM can be deployed in any number/combination of active and backup blades to protect against compound failures.
- Agile platform – Utilize HP BladeSystem with ZXTM TrafficCluster scalability to grow ZXTM or application capacity and provide a complete, flexible infrastructure to handle rising demand.

Working together with HP

Working with HP, Zeus' traffic management solutions allows your business to depend on a well-run infrastructure and to be able to depend on the processes required in today's 24-hour, always available, technology-driven business world. Your ability to manage IT services is being put to the highest test. You must deliver increased value while tightly controlling costs. Zeus' innovative ZXTM solutions are leveraging the versatile HP BladeSystem to deliver a platform that can be centrally managed, redundancy built-in and pre-emptive diagnostics to keep problems from occurring.

HP BladeSystem consolidates compute, storage, power, cooling, connectivity, redundancy and security all within a single rack-mount enclosure. Its modular, virtualized components increases agility, while HP Thermal Logic reduces power and cooling demands. And you save time and money with integrated management tools to simplify administration of the entire HP BladeSystem solution. It all adds up to a best-run and managed infrastructure—right out of the box





Reduce cost and complexity

The HP BladeSystem makes it fast and easy to deploy, customize and grow your business technology infrastructure on your terms. When configured with HP ProLiant blades, you get proven server reliability and innovation in an industry-standard platform that improves operational efficiency while managing complexity and risk. You can mix and match HP ProLiant blades with a combination of Microsoft® Windows® and Linux applications to support diverse workloads. With HP StorageWorks blades as an integral part of the HP BladeSystem infrastructure, you also gain simple storage expansion and flexible data protection. And with HP Insight Control, you can manage all HP BladeSystem components as one system, streamlining operations and increasing system administrator productivity. The HP BladeSystem solutions cuts your compute challenges down to scale, delivering breakthrough performance and scalability with no compromise.

Service and support

HP and its partners can provide you with a complete portfolio of services for network traffic management. We leverage the proven methodologies and expertise of over 65,000 HP services professionals around the

world to help your company design, build, integrate, manage and evolve an HP BladeSystem infrastructure tailored to your unique needs.

Bill of materials

- 1 HP c3000 BladeSystem Enclosure - rackmount or as pedestal (Q108)
- 1 HP BLc Bnt 1GbE2 Switch Opt Kit

System nodes

- Up to eight BL460c Blades (two 2.66 GHz Quad-Core Intel® Xeon™ processors, 2GB memory/core, 2 x 146 GB SAS HDD)

Software

- Zeus ZXTM software licenses
- Operating system licenses

Services

- HPC Installation and Integration
- Cluster and Application Education Service and Support

Driving better business outcomes

By choosing Zeus ZXTM software on the HP BladeSystem c-Class solutions, you can accelerate growth and mitigate risks with a simplified, consolidated infrastructure that's agile to efficiently handle change. And you can lower costs through automation, virtualization and improved IT efficiency. Together, we drive better business outcomes by making business technology a major contributor to your bottom line.

*n = number of licenses required by vendor licenses regulations

**BOM should be used as example only, architecture will vary by customer environment

Technology for better business outcomes

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