



ZXTM Virtual Appliance

Virtualised Application Traffic Management with Zeus and VMware

Zeus Extensible Traffic Manager (ZXTM) combines enterprise-class application traffic management, acceleration and security into a highly available and scalable product. Through partnership with VMware, ZXTM is the only product of its kind that not only helps you reduce the complexity of managing your virtualised applications, but can also be itself deployed as a virtual machine.

Business Needs in a Virtualised Environment

Faster and multi-core processors have paved the way for organisations to realise significant benefits from the server virtualisation offered by VMware. By dividing up physical servers into many virtual servers, multiple independent application environments can be created without the usual corresponding requirement for increased hardware, power and cooling spend.

The VMware approach to IT infrastructure management enables organisations to reduce their operating costs and allows IT administrators to divert server resource on-demand to the business units or processes that need them most. However, the decision to reallocate resource in this way needs to be based on the best and most up-to-date information on how virtualised applications are performing.

A Unique Complement to VMware

ZXTM complements VMware's virtualisation technology in a number of ways:

- An intuitive and attractive web-based user interface (UI) makes increasing numbers of network-facing virtual machines and applications easier to cluster and manage
- Continually monitoring the health and performance of applications according to service level policies and feeding this information as appropriate to IT administrators via the UI and SNMP, or the VMware virtualisation manager directly via the SOAP API.
- Accelerating applications via content compression and caching, bandwidth management, SSL and XML offload.
- Enhancing, migrating and integrating applications via the powerful TrafficScript™ control language.



VMware Technology Network's collection of pre-built virtual appliances from industry-leading ISV partners, open source partners and the VMware community simplifies software packaging, distribution, and deployment. Instead of spending time installing and configuring applications, developers and QA teams and other technologists can now focus their efforts on their work.

With VMware virtualisation technology, users can examine the features of Zeus Extensible Traffic Manager (ZXTM) as a virtual machine. This allows evaluation of a powerful traffic management platform and easy development of traffic management rules, without requiring dedicated hardware and software licenses.

ZXTM addresses the scalability, reliability and performance problems that plague network-based services such as web applications, email and web services. ZXTM's unique TrafficScript™ language provides very fine-grained control, allowing implementation of almost any traffic management policy. SSL decryption, bandwidth control, session persistence, web caching, inline XML processing, performance monitoring and a full web-based user interface combine to give a highly capable traffic management solution.

You can download the ZXTM Virtual Machine, VMware player and documentation from the **ZXTM KnowledgeHub** at <http://knowledgehub.zeus.com/>.

For more information on ZXTM, our range of virtualised offerings and pricing, please contact info@zeus.com or call us on +44 1223 568555.



Application acceleration, scalability and resilience

Challenge	Solution	Benefit of ZXTM
Reducing power, cooling and rack footprint	Adopt virtualisation technology	Availability as software lets you deploy ZXTM in a virtualised environment
Integrating separate, web-enabled systems	Open standards-based communication and data storage	Native XML support and SOAP API enable non-intrusive integration and management of web-enabled systems
Managing increasing volume of transactions	Optimisation of data transmission, introduction of application load balancing, horizontal scaling	Content compression, caching and TCP / SSL / XML offload will reduce burden on bandwidth and application server resources
Increasing security of data	Adoption of end-to-end SSL encryption	High throughput, native SSL ensures that all application traffic can be secured without loss of performance
Maintaining 24/7 continuity of service	Create fault-tolerant application clusters to prevent downtime	Clustering and health monitoring allows each individual component, including ZXTM, to be scaled and made fault-tolerant
Migration from legacy monolithic applications	Phased migration and consolidation using application traffic manager	TrafficScript™ allows legacy applications to be migrated in a phased approach with easy roll-back
Managing increasing number of network-facing virtual machines	Create hub for all network activity, restoring centralised monitoring and control	ZXTM provides centralised application control and collates performance, health and transaction logs for easier auditing
Reallocating server resource on-demand	Use centralised service level monitoring to take more informed and automated decisions on server resource allocation	Service level monitoring and SOAP API allow ZXTM to drive and be driven by the virtualisation management software

VMware at a glance:

VMware, an EMC company (NYSE: EMC), is the global leader in virtual infrastructure software for industry-standard systems. The world's largest companies use VMware solutions to simplify their IT, fully leverage their existing computing investments and respond faster to changing business demands. VMware is based in Palo Alto, California. For more information, visit www.vmware.com or call 650-475-5000.



Zeus at a glance:

Zeus Technology has a well-earned reputation for providing robust, secure and scalable traffic management solutions to organisations in a wide range of sectors including, media and content providers, telecoms and hosting providers, finance, education, government and online retailers.



Using the experience gained from our relationships with organisations as diverse as the Federal Railroads Administration, NEC, British Telecom, Play.com, Telewest, Thus Plc., TD Waterhouse, Telecom Italia Mobile, Ciao Group and eXpansys, Zeus is in a unique position to assist any business looking to enhance their mission-critical Internet service infrastructure. For more information visit our web site at <http://www.zeus.com/>

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