



Zeus Traffic Manager

Part of the Zeus Elastic Application Delivery platform

High-performance load balancing
and application delivery software

Version 7.0

Application delivery that scales

Zeus Traffic Manager software makes your networked and web-enabled applications faster, more reliable, secure and easier to manage.

High-performance Soft Application Delivery Controller

Zeus Traffic Manager enables you to create, manage and deliver your key services more quickly, more flexibly and at a lower cost.

It controls and optimizes the service your users receive by inspecting, transforming, prioritizing and routing application traffic. The powerful TrafficScript™ engine lets you implement the traffic management policies that are most appropriate for your enterprise, drawing on the whole range of capabilities of Zeus Traffic Manager.

- **Accelerate** your applications, maximize performance and capacity, increase end-user satisfaction and boost return on infrastructure investment

- **Improve** the reliability and availability of your applications and scale your services easily and cost-effectively
- **Control** and secure network traffic, filtering and scrubbing application requests and responses
- **Manage** your application infrastructure, simplifying application maintenance, upgrades and migration and delivering adaptable and agile services faster and more reliably.

Deployment options

Zeus Traffic Manager may be deployed in the manner that best suits your needs: as software for Linux or Solaris servers, as a Virtual Appliance for many Virtualization platforms and on any supported Cloud infrastructure platform including Rackspace Cloud, Joyent and Amazon EC2.

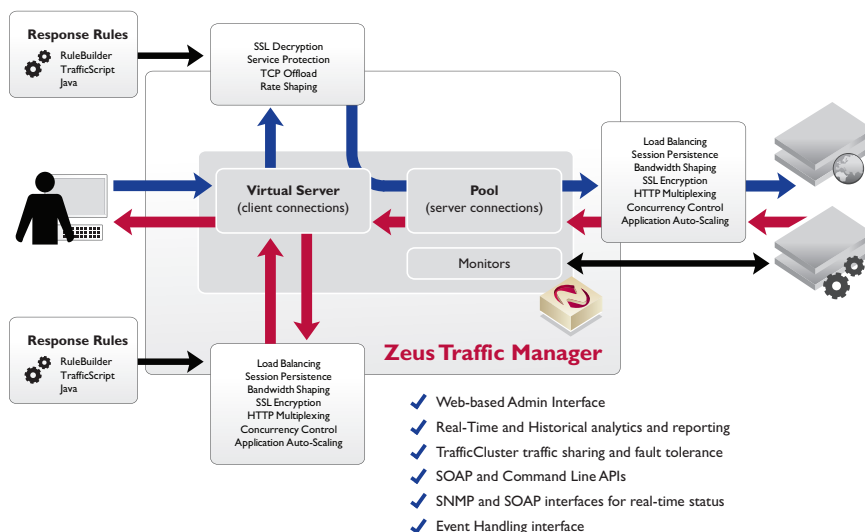
Zeus Elastic Application Delivery platform: When used with Zeus Multi-Site Manager, Zeus Traffic Manager may be used to manage traffic across multiple, distributed locations, and the Global Load Balancing option provides global traffic management to complement Zeus Traffic Manager's local traffic management.

Key capabilities

Accelerate applications

Zeus Traffic Manager offloads compute-intensive tasks and the integrated HTTP Content Caching reduces the load on your infrastructure. TCP offload, Traffic Buffering, Concurrency Control and HTTP Optimizations create the ideal environment for your applications to run at peak performance and capacity. Zeus delivers dramatic improvements in service throughput and responsiveness, significantly better return on investment and an improved customer experience.

Processing and optimizing application traffic



- Zeus Traffic Manager inspects and processes application traffic, with full payload inspection and streaming.
- As requests are received, a range of optimization processes ensure that they are presented in the most appropriate manner to the web or application servers.
- Responses can be compressed, cached and returned to the client at the speed it can manage, while freeing up resources on the server.
- TrafficScript™ gives full control over how individual requests are optimized, routed and transformed.
- Traffic management rules may also be created using Java™ Extensions.

Improve reliability and availability

Active and passive health monitors and continual performance monitoring ensure that client requests are load balanced across the fastest servers in your infrastructure. Zeus' unique scalability allows you to scale your application seamlessly, and to scale up to multiple active traffic management devices, protecting against compound failures at all levels.

Increase security

Guard your applications with server isolation, request and response scrubbing, request validation and protective traffic shaping, defending from direct attacks, invalid or malformed requests and malicious or incidental flash floods.

Integration and control

Zeus offers you all the functionality that you need to implement the traffic management policies appropriate for your business. Apply custom business logic with RuleBuilder™ and TrafficScript™, Zeus' powerful and intuitive traffic management language, or create Java™ Extensions for very sophisticated traffic processing needs.

The SOAP-based Control API, SNMP monitoring and Zeus' outbound 'Event Handling' APIs allow you to tightly integrate Zeus Traffic Manager within your application management and orchestration infrastructure.

Activity monitoring and diagnostics

Zeus provides you with real-time reporting and historical graphs charting the activity of your applications via a web-based interface, Simple Network Management Protocol (SNMP) and Simple Object Access Protocol (SOAP).

Combined with one-click self-diagnostics and detailed fault analysis, you can plan for future capacity requirements and isolate faults rapidly, reducing the time to fix.

About TrafficScript

TrafficScript is a sophisticated programming language, integrated within the core of Zeus Traffic Manager to give high performance, highly-configurable control of traffic management policies. TrafficScript rules can control all aspects of how Zeus manages traffic, based on full inspection of each application request and response. Request rate shaping, bandwidth shaping, routing, compression and caching can all be controlled to prioritize your most valuable users and deliver the best possible levels of service.

Using TrafficScript, Zeus Traffic Manager can parse complex XML data using XPath and take informed routing decisions based on its content. Zeus supports the offload and acceleration of the translation of one dialect of XML to another via XSL Transformations (XSLT).

TrafficScript rules can also transform requests and responses, to correct invalid requests, apply security filtering and optimization, and for complex response rewriting. TrafficScript is fully supported by Zeus, and examples are shared through the Zeus KnowledgeHub (knowledgehub.zeus.com).

Optional features

Real-time analytics provides deep insight into application traffic, supporting operational staff when diagnosing problems and anomalies, and test and development staff in understanding how clients interact with their applications.

Bandwidth management allows full control of bandwidth usage, on a per-connection and per-group basis.

Service level monitoring gives detailed metrics on service performance and allows you to control how you deliver a service based on its current load and performance.

Application auto-scaling interacts with virtualization and Cloud platforms to control how an application is resourced in response to load and performance.

Content caching improves performance and reduces the load on application servers by caching static and dynamic content in highly customizable ways.

Application Firewall Module adds a full Payment Card Industry Data Security Standard (PCI DSS) web application firewall for complete and scalable application protection.

Find out more

Further information, deployment examples and solutions can be found at www.zeus.com.

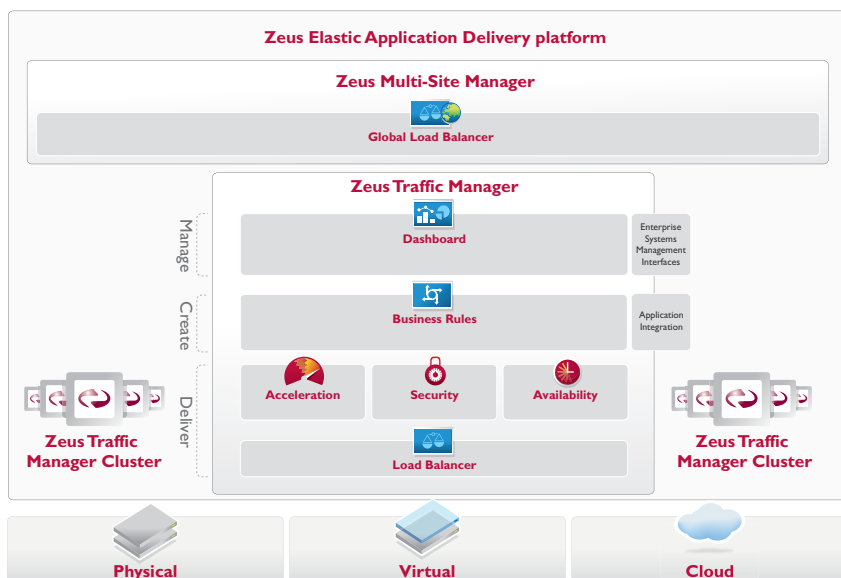
To download a free development license or evaluate Zeus Traffic Manager for a production deployment, please visit www.zeus.com.

Key features and benefits

Zeus Traffic Manager is a multi-capability solution combining:

- **TrafficScript™** – the most intuitive traffic routing language available
- **Java™ Extensions** for sophisticated traffic processing needs
- **Server load balancing** providing Layer-7 traffic management for all applications
- **TrafficCluster™** scalability to grow capacity and prevent compound failures
- **Application acceleration** for enhanced ROI on new and existing deployments
- **Control API** and Command Line Interface for tight integration between Zeus and other devices
- **Event handling** for automated alerting and resolution of key events
- **High-performance SSL** for end-to-end security
- **Content caching** of web pages in memory or on disk to reduce load on content servers
- **Request rate shaping** to protect from flash floods and apply request limits
- **Service protection policies** for hardening of vulnerable application services
- **Bandwidth management** for assured quality of user experience
- **Service level monitoring** to assess true application performance
- **Activity monitoring and self-diagnostics** for trend analysis and fault isolation.

Zeus software enables our customers to create, manage and deliver exceptional online services. Our software technology runs across Physical servers, Virtual machines and Cloud-based infrastructure.



Deployment options

Software

Run Zeus software on the Physical or Virtual server platform of your choice:

- Recommended: 2 GB RAM; 50 GB disk space; Intel Xeon/AMD Opteron/Sun SPARC; Dual 1Gbit or 10Gbit NICs
- 32-bit and 64-bit UNIX/Linux platforms: Linux, Solaris.

Optional features:

- IP Transparency and multi-hosted IP addresses are not available on Solaris software.

Virtualization

Run Zeus Traffic Manager Virtual Appliance on VMware Virtual Infrastructure, VMware vSphere, XenServer and OracleVM. Run Zeus software on the virtualization platform of your choice.

Cloud

Run Zeus Traffic Manager software on any supported Cloud infrastructure, including Rackspace Cloud, Joyent and Amazon EC2.



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Zeus at a glance

Zeus software enables our customers to create, manage and deliver exceptional online services in Physical, Virtual and Cloud environments. Implementing a Zeus solution allows organizations to visualize and manipulate the flow of traffic to their web-enabled applications, ensuring a consistently robust web infrastructure.

Zeus powers over one million website infrastructures across the world including, the BBC, BT, Comic Relief, Domino's Pizza, Gilt Groupe, ITV, I Want One of Those, Play.com, See Tickets, STA Travel and Virgin Media.

For further information, please email: info@zeus.com or visit www.zeus.com to contact the Zeus office nearest to you.

WHY WAIT...DOWNLOAD A FREE SOFTWARE TRIAL

Because Zeus Traffic Manager is pure software, you can download it free of charge and evaluate it before you buy. Technical support is also available during your evaluation.

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Blog: blog.zeus.com

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