



jetNEXUS Enterprise Traffic Manager

NEXT GENERATION LOAD BALANCING &
APPLICATION DELIVERY CONTROL



Application Delivery Control & Traffic Management

The jetNEXUS Enterprise Traffic Manager is a powerful, fully fault tolerant load balancing solution with advanced traffic management and routing capabilities, making applications faster, more reliable, secure and easier to manage.

The jetNEXUS Enterprise Traffic Manager offers massive performance and the most comprehensive Application Delivery Control feature set available on the market, including advanced traffic scripting language and JAVA extensions and interoperability.

jetNEXUS Enterprise Traffic Manager

- *Layer 7 Load Balancing*
- *TrafficScript Routing Engine*
- *Content Caching*
- *Web Compression & SSL Offload*
- *Application Acceleration*
- *Bandwidth Management*
- *Service Level Monitoring*
- *TrafficCluster Scalability*



The jetNEXUS Enterprise Traffic Manager is an advanced application delivery controller, enabling users to create, manage and deliver services more quickly and more flexibly

Application Compatibility:

- Ecommerce
- ECRM
- ERP
- Content Management
- email
- Custom Web Applications
- Portals
- Intranets

ETM Features

- Layer 7 load balancing
- TrafficScript rules engine
- Java Extensions
- TrafficCluster scalability
- Content caching
- Content compression
- Connection management
- Application acceleration
- Active/Active resilience
- SSL offload
- Intuitive user interface
- Reporting / logging
- Traffic visualisation

Optional Features

- Real-time analytics
- Rate shaping
- Multi-site Manager
- Bandwidth management
- Service level monitoring
- Application auto-scaling
- Web application firewall
- Global load balancing

Key Benefits

Combining management, optimisation and security, the jetNEXUS Enterprise Traffic Manager provides centralised control and resilience for rapid, seamless interaction with web and Application services. The ETM simplifies application maintenance, upgrades and migration projects, empowering clients to intelligently manage their infrastructure with more control and flexibility.

Application Integration and Control

The jetNEXUS ETM provides all the functionality you need to secure, manage and optimise all the high-level application traffic on your network from one central point. Implement traffic management policies appropriate for your business with the powerful and intuitive **TrafficScript™** routing language. Apply your unique business logic and ensure that application delivery is in compliance with business and regulatory policies with TrafficScript or create Java™ Extensions for sophisticated traffic processing needs.

Pay as you Grow Scalability

For ultimate flexibility, **TrafficCluster** scalability enables clients to deploy multiple jetNEXUS ETM units in any combination and volume, for as many layers of resilience as required. Horizontally scalable both within and across data centers, an ETM cluster can deliver applications on a global scale to a global audience.

Application Acceleration

The jetNEXUS ETM's architecture and tool set dramatically accelerates most applications upon deployment. The ETM reduces the strain placed on application infrastructure with **network-level buffering**, **protocol optimisations**, and application-specific measures such as **dynamic compression** and **caching**. The result is reduced latency, increased capacity, improved availability, and optimised service levels for each end user.

Active Monitoring

The jetNEXUS ETM delivers **real time reporting** and historical graphs of application activities via a web based interface, SNMP and SOAP. Combined with **one-click self diagnostics** and fault tolerance, clients can plan for future capacity requirements, analyse traffic trends and isolate faults quickly. **Real time analytics** is also available.

Optional Features

With capability for **service level monitoring** and **bandwidth management**, the jetNEXUS ETM allows you to apply relevant service levels for different groups of customers to ensure your most profitable traffic receives the quality of service it demands.

For multi-site operation, **Multi-site Manager** provides a global view of all of the ETMs for ease of management and configuration. Where inter-site resilience is required, **Global Load Balancing** enables a choice of site to be based on proximity or load.

Key Features

Traffic Management

Handling complex network and server provisioning rules, the ETM manages network traffic to apply your unique business logic.

Resilient Load Balancing

- Intelligent load balancing algorithms, read and interpret requests before load balancing them across a pool of servers.
- The ETM seamlessly handles server failure by redirecting traffic to a different, healthy machine ensuring continuing availability of your web-based applications. Deploy in a scalable cluster for fully fault tolerant load balancing.

TrafficScript™

- TrafficScript enables application teams and operational staff to quickly deploy policies that inspect, transform, prioritise, and route traffic to address ADC challenges and meet business goals. The most powerful traffic management script language available, TrafficScript has unlimited content inspection depth to read incoming requests and outgoing responses for any protocol.

Session Persistence

- jetNEXUS ETM enables individual URL mappings to be specified as sticky and directs to the same machine cluster.

Control API

- jetNEXUS ETM provides an open standard, SOAP based control API. Manual configuration tasks can now be automated; including detection of application based attacks, applying policy changes to network firewalls or deploying more server capacity.

Enforce Service Level Agreements

- Apply business rules to traffic management, monitoring service performance against defined SLAs for rapid health checks.

Optimisation

Surpassing all rival traffic management solutions on a price: performance ratio, the jetNEXUS ETM's unique process architecture handles more transactions, more content inspection rules, more application services and more back end servers.

Controlling Your Bandwidth

- Define maximum bandwidth limit on each service to ensure sufficient bandwidth availability.

Dynamic Compression

- Dynamic content compression on the fly into a form that nearly all browsers can decompress without the need for a plug-in.

Web Content Caching

- By storing local copies of frequently viewed web pages, images or other content the jetNEXUS ETM reduces the number of requests forwarded to your servers. As a result back-end application load, data transmit times and bandwidth usage are cut giving you enhanced value from your existing web or application service cluster.

Integrated Application Acceleration

- jetNEXUS ETM acts as a buffer between the application server and internet connections to ensure applications see only quick requests over a reliable LAN, thus accelerating your existing application infrastructure.

Security

With unique protection against Denial of Service attacks, the jetNEXUS ETM transparently shields web infrastructures, eliminating network vulnerabilities. In-built monitoring and threat analysis provide up to date stats. Native SSL decryption and re-encryption safeguards information, ensuring security of internet traffic using SSL connections, whilst maintaining peak performance.

The [Application Firewall](#) employs Layer 7 rules to protect applications, mask data, and help achieve compliance (including PCI-DSS). It also makes it easy to manage cookie privacy and authentication.

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jetNEXUS provide innovative, market leading solutions for application acceleration, load balancing and application delivery technology. jetNEXUS solutions improve the performance, scalability, reliability and manageability of applications. Our product portfolio is accessible to a wide and varied client base, ranging from simple, cost effectively focused solutions to Enterprise-grade application delivery controllers.