

# NEXT GENERATION LOAD BALANCING & APPLICATION TRAFFIC MANAGEMENT

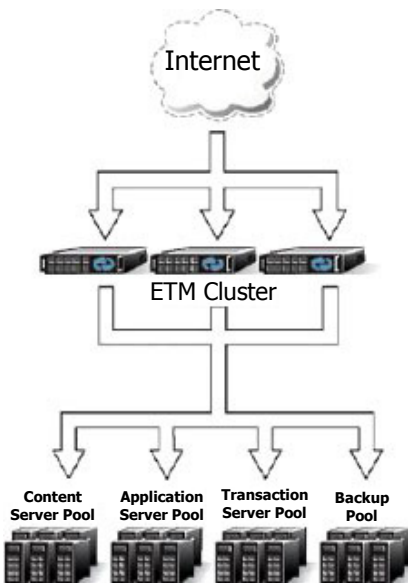


**JetNEXUS**  
ENTERPRISE  
TRAFFIC MANAGER

## Product Overview

The jetNEXUS Enterprise Traffic Manager is a powerful, fully fault tolerant and high performance load balancing solution with the powerful traffic management and routing capabilities of TrafficScript™

## Application Areas



- jetNEXUS Traffic Manager can be deployed in any number and combination of active and backup units to protect you against compound failures.
- Each jetNEXUS TM unit monitors the health of all the other units in the traffic management cluster and of the backend servers.
- Incoming traffic is accepted by a virtual server.
- TrafficScript rules are used to inspect the request and send it to an appropriate server pool.
- Traffic is distributed across the server pool using one of a variety of load balancing algorithms.

## Key Benefits

Combining management, optimisation and security, jetNEXUS Enterprise Traffic Manager provides centralised application control and resilience for rapid, seamless interaction between web-enabled servers. By pooling these three core areas of functionality, the jetNEXUS ETM places the focus on applications enabling your business to become more agile.

### 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. Including powerful, intuitive TrafficScript™ routing language you can apply your unique business logic and solve problems as they arise without the need to rely on external technical back-up.

### Pay as you Grow Scalability

Traffic Cluster scalability enables you to deploy jetNEXUS ETM units in any combination and volume giving you the flexibility to have as many layers of resilience as you need. With Traffic cluster flexibility you can be sure your jetNEXUS ETM deployment can grow in line with your changing business needs.

### Application Acceleration

The jetNEXUS ETM's unique accelerates most applications many times over by simply being placed in front of them. Combined with offload, processor capabilities you'll see greatly enhanced performance, capacity and return on investment from your key applications.

### Active Monitoring

jetNEXUS ETM delivers real time reporting and historical graphs of your application activities via a web based interface and SNMP. Combined with one click self diagnosis you can plan future capacity requirements , analyse traffic trend and isolate faults quickly.

### Offer Differentiated Services

With capability for content caching, 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.



## Key Features

### Traffic Management



**Handling Traffic complex network and server provisioning rules, jetNEXUS Traffic Manager manages and aligns your network traffic by intuitively applying your business logic.**

- **Resilient Load Balancing** — jetNEXUS ETM draws on a variety of intelligent load balancing algorithms within its arsenal to read and interpret requests before load balancing them across a pool of servers. Deployed in a horizontal scalable cluster for fully fault tolerant load balancing, the jetNEXUS ETM seamlessly handles server failure by redirecting traffic to a different, healthy machine ensuring continuing availability of your web-based applications.
- **TrafficScript™** — As the most powerful traffic management script language available today, TrafficScript™ possesses unlimited content inspection depth to read incoming requests and outgoing responses for any protocol.
- **Session Persistence** — To ensure sessions are automatically honoured, the jetNEXUS ETM session affinity enables individual URL mappings to be specified as sticky and directs requests to the same cluster of machines.
- **Control API** — jetNEXUS ETM provides an open standard, SOAP based control API. Manual configuration tasks can now be automated by jetNEXUS ETM which can include, detection of application based attacks, applying policy changes to network firewalls or deploying more server capacity for high loads and more.
- **Enforce Service Level Agreements** — the jetNEXUS ETM enables your business rules to be applied to traffic management, closely monitoring how services perform against defined SLAs for a rapid health check assessment of application services.

### Optimisation



**Surpassing all rival traffic management solutions price:performance ratio, jetNEXUS Enterprise Traffic Manager unique process architecture handles more transactions, more content inspection rules, more application services and more back end servers.**

- **Controlling Your Bandwidth** — The jetNEXUS ETM lets you define a maximum bandwidth limit on each service to ensure mission critical services always have sufficient bandwidth.
- **Dynamic Compression** — By dynamically compression content on the fly into a form that nearly all browsers can decompress without the need for a plug-in a three fold effect on the system performance is achievable. With most web pages able to be compressed by over 80%, pages are displayed significantly faster, use less bandwidth and reduce server session times.
- **Web Content Caching** — By storing local copies of frequently viewed web pages, images and other content, jetNEXUS ETM greatly 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** — The jetNEXUS ETM accelerates your existing application infrastructure by acting as a buffer between the application server and internet connections to ensure applications see only quick requests over a reliable LAN.

### Security



**Without a cohesive application security policy you become exposed to wasting time and money patching security holes and recovering from security breaches.**

- **Security by Default** — The jetNEXUS ETM has been rigorously tested to ensure no vulnerabilities are introduced to your network.
- **Service Protection** — With unique protection against Denial of Service attacks, the jetNEXUS ETM transparently shields your web infrastructure. In-built monitoring and threat analysis keeps the user up to date at any time.
- **SSL Decryption and Re-encryption**—With native SSL decryption and re-encryption, the jetNEXUS ETM safeguards information, ensuring security of internet traffic using SSL connections, whilst maintaining optimal performance.