

jetNEXUS Virtual Load Balancer

For Fast, Scalable,
Resilient Applications



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We were looking for a robust yet easy to use solution that would fit in with our virtualisation policy and ensure high availability for our email services. SDL

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jetNEXUS is simple to use, extremely scalable and comes at the right price point, all of which make it a great fit for us. COLT

Mitigate the Risk of Downtime and Optimise Application Delivery

jetNEXUS load balancers improve the performance, scalability and reliability of applications for a superb end user experience.

Our powerful virtual load balancer is feature-rich yet cost-effective, giving you the comprehensive tool-set you need to overcome real-world application delivery challenges.

jetNEXUS Advanced Virtual Load Balancer

- SERVICE RESILIENCE
- APPLICATION ACCELERATION
- SEAMLESS SCALABILITY
- UNPRECEDENTED EASE-OF-USE

Powerful, Cost Effective Virtual Load Balancing

jetNEXUS is available as a Virtual Appliance for VMware, Hyper-V and Citrix XenServer, eliminating the need for dedicated hardware, decreasing operating costs and reducing deployment time.



About jetNEXUS

We are passionate about building good value, high performing load balancers that are incredibly easy to use and deliver real results.

We take great pride in supporting our load balancing deployments around the world.

Improve the Performance of your Business Applications

jetNEXUS has experience across a broad range of applications and an understanding of their unique requirements. From household names such as MS Exchange and Lync, to self service websites and browser based services, through to specialist applications like Electronic Patient Record Systems or E-Learning platforms like Moodle and Blackboard.



Download a free trial of the jetNEXUS ALB-X VA software here

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Having technically reviewed the solutions available in the market place, we felt that jetNEXUS hit all the functionality of the big players, at a very reasonable price point for the feature set available.

UNITE

Powerful Features for Optimised Application Delivery

Our ethos is simple; deliver the features that customers need at a fair price. We don't bury our features in impenetrable code, we present them simply and effectively to ensure our clients have a feature-rich load balancer that they can actually use.



Layer 4-7 Load Balancing



Server Health-Checking



Reverse Proxy



SSL Offload



Content Caching



Automatic Configuration



Compression



Web Acceleration



Traffic Management



Clustering



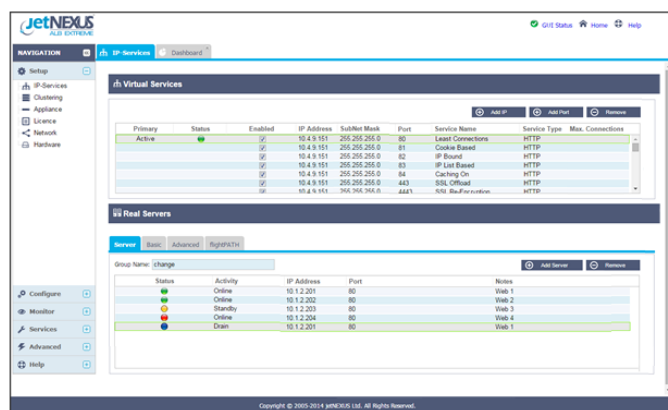
Intuitive GUI



Unprecedented Ease-of-Use

Easy to Deploy, Simple to Manage, Straight Forward to Support

Configuring jetNEXUS Load Balancers is a fast, painless experience for experts and novices alike. The intuitive interface offers unprecedented ease-of-use, making day-to-day management tasks such as creating services, adding traffic management rules or applying server health monitors a breeze.



- Auto-deployment templates for applications
- Real time status update
- Simple navigation, drag and drop functionality
- GUI wizard & auto-complete

“The jetPACK deployment template meant that the system was up and running within minutes rather than hours; ensuring minimal impact on business operations.”
Addison Lee

Introducing User Central

[jetNEXUS User Central](#) is a one-stop knowledge base for everything jetNEXUS. Discover how to deploy and configure jetNEXUS in minutes & troubleshoot support issues with ease.

Tech Specs	ALB-X VA
CPU	Min 2 vCPU
Memory	Min 2 GB
Virtual Network Interface	Up to 8
Power Consumption	N/A
HTTP Max Throughput	3 Gbps / 6 Gbps / Unlimited
Layer 7—HTTP Requests Per Second	Not limited by licence
SSL Transactions Per Second*	Not limited by licence

*With hardware acceleration ** Not limited by licence

Features

SERVER LOAD BALANCING

Layer 4 - 7 Load Balancing
 Layer 7 Application Persistence (aka. Persistence / Sticky Sessions / Cookie Based)
 Reverse Proxy
 Layer 7 Content Switching
 Active - Passive High Availability Mode
 Active - Active High Availability Mode
 Cross Data Centre Redundancy
 N+X Clustering
 Connection Draining
 Standby Server (aka Server of Last Resort)

LOAD BALANCING METHODS

Least Connections
 Round Robin
 IP Bound
 IP List Based
 Cookie Based
 Customisable Cookie
 Classic ASP Session Cookie

ASP.NET Session Cookie
 JSP Session Cookie
 JAX-WS Session Cookie
 PHP Session Cookie
 Weighted Round Robin
 Weighted Least Connections

SERVER HEALTH CHECKING

Customisable Health Checks
 Simple HTTP
 Full HTTP (Layer 7)
 TCP Connect
 Out of Band Monitor
 DICOM
 RDP
 Ping

NETWORKING

VLAN Support
 Single or Multi Interface Configuration
 Support for S-NAT, NAT and PAT
 Static Routing With Default Gateway
 Unrestricted Interfaces
 High-Performance Virtual Network Drives



CONNECTIVITY METHODS

- Reverse Proxy
- High Performance Layer 4 Load Balancing
- Direct Server Return
- Transparency

SSL

- High-Performance, Unrestricted SSL Offload
- Easy-To-Use SSL Management
- SSL Pass-Through
- SSL Re-Encryption
- Certificate Signing Request (CSR) Generation and Renewal
- Simple Certificate Import / Export inc PKCS12
- Self-Signed Certificate Creation
- Support For Multiple Keys Inc: 1024, 2048, 4096
- Intermediate Certificate Support
- Support for Server Alternative Names
- Support for Wildcard SSL Certificates
- SSL Certificate Chaining
- Support for TLS 1.2
- Customisable Ciphers

TRAFFIC MANAGEMENT

(flightPATH)

- HTTP / HTTPS Traffic Manipulation
- Intuitive, Simple To Use
- Drag & Drop Rule Builder
- Layer 7 Content Switching
- Dynamic Routing
- Content Filtering
- Fully Customisable / Configurable
- Pre-Defined Rule Base
- Log and Alert
- Geo Location
- Selectable, Simple Match Conditions (inc does / does not: 'start with', 'end with', 'contain', 'equals') or Powerful Regular Expression Engine

Examples:

- Block IPs / Networks
- Redirect to Secure Website
- Rewrite URLs
- Replace Sensitive Info (Blank Credit Card Details)
- Browser Detection
- Device Detection
- Body Rewrite
- Prevent SQL Injections
- Prevent Cross-Site Scripting
- Add Google Analytics
- Redirect User Based on Country
- Certified for Key Applications

ACCELERATION

Compression

- Dynamic HTTP Compression
- Configurable Rule Base

Caching

- RAM-Based Caching
- Automatic and Configurable Client-Side Caching
- Multiple Caching Profiles
- Auto-Detect and Prioritise Popular Content
- Simple Editing of Cache Rule base
- Fully Configurable via GUI

Connection Management

- Connection Pooling / Multiplexing
- Connection Limiting
- Customisable Server Too Busy Page

MANAGEMENT & REPORTING

- Secure Web-Based GUI
- Selectable SSL Certificate & Secure Port
- Automatic jetNEXUS Device Discovery
- jetPACK Application Templates (Auto-Configuration)
- Full SNMP Monitoring (V1,2 &3)
- Configuration Back Up
- Simple Software Update Via GUI
- Command Line Interface (CLI)
- Email Alerting
- Status Page with Live Individual Server Connections
- Historical Graphing
- Real Time Stats
- Client IP x forwarding (X-Forwarded-For)
- Automatic Remote W3C Log Storage
- Online User Central
- Secure SSH & HTTPS for Remote Access Admin
- Clustering with HA