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**

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**

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.

**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.

**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.

**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**
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.

- Pre-Authentication
- Layer 4-7 Load Balancing
- Server Health-Checking
- Reverse Proxy
- SSL Offload
- Content Caching
- Automatic Configuration
- Web Application Firewall
- 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 and day-to-day management tasks are a breeze.

- Configure in minutes
- Intuitive user interface
- Real time status updates
- Drag and drop functionality
- GUI wizard & auto-complete
- Simple navigation
- Custom dashboards
- Configurable widgets
- Historical graphing

"jetNEXUS is extremely intuitive, requiring very little expert knowledge to get up and running yet there are a host of advanced features to enhance service delivery." — digdat™
jetNEXUS Load Balancer
For Fast, Scalable, Resilient Applications

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.

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

*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)
Manual Server Weighting
Automatic Server Weighting
Reverse Proxy
UDP Full 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**
Fastest Server
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 Health Check
DICOM
RDP
Ping
Multiple Server Health Checks Per Service
New HTTPS Health Check
Redis Health Check (via App Store)
DNS Health Check
jetNEXUS Load Balancer
For Fast, Scalable, Resilient Applications

Upload Custom Health Checks
Extra Setting for Custom Health Checks

NETWORKING
IPV6 Support
IPV6 > IPV4 Proxy
VLAN Support
Single or Multi Interface Configuration
Choice of Interfaces (from 4x1GbE up to 4x10GbE or 8x1GbE)
Support for S-NAT, NAT and PAT
Static Routing With Default Gateway
Unrestricted Interfaces (Virtual)
High-Performance Virtual Network Drives (Virtual)
Multiple DNS Server Support

LINK INTERFACE BONDING
802.3ad
Round Robin
Active / Passive
Broadcast
Adaptive
Transmit
Balance-XOR

CONNECTIVITY METHODS
Reverse Proxy
High Performance Layer 4 Load Balancing
Direct Server Return

SSL
High-Performance, Unrestricted SSL Offload
Easy-to-Use SSL Management
AES Hardware SSL Acceleration
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
Full Support for Server Name Indication (SNI)
Multiple Certificates Per Service for SNI

SECURITY
Web Application Firewall (Additional Licence)
Pre-Authentication
NTLM / Basic Support
Form or Basic Authentication
Single Sign On (SSO)
Microsoft TMG Replacement
Upload Custom Forms From GUI
Custom Login with Configurable Welcome Message
Authentication Protocol LDAPS Servers
Security Logging
Login Timeout
Multiple Conditions

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
Extract Response Cookie Value

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

CLOUD BASED SERVICES
Secure Interface From ALB-X to Cloud Services
Check Cloud & Download for Software Updates
Check Cloud for Support
Check Cloud for Licence Information
Check Cloud for New Security Rules

www.jetnexus.com
info@jetnexus.com
jetNEXUS Load Balancer
For Fast, Scalable, Resilient Applications

**ACCELERATION**

Compression
Dynamic HTTP Compression
Configurable Rule Base

Caching
RAM-Based Caching with Disc Backup
Automatic and Configurable Client-Side Caching
Multiple Caching Profiles
Auto-Detect and Prioritise Popular Content
Simple Editing of Cache Rulebase
Fully Configurable via GUI

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

**MANAGEMENT & REPORTING**

GUI and Configuration
Secure Web-Based GUI
Customisable Dashboard
Configurable Widgets
Automatic jetNEXUS Device Discovery
jetPACK Application Templates (Auto-configuration)
Clone Services
Auto Complete
Support for Slash Notation
Configuration Back Up

Software Updates
Check Cloud Service for Software Updates
Encrypted Software Updates
Simple Software Update Via GUI

Management and Monitoring
Selectable SSL Certificate & Secure Port
Full SNMP Monitoring (V1,2 & 3)
Command Line Interface (CLI)
Email Alerting
Real Time Stats
Status Page with Live Individual Server Connections
Historical Graphing
Server Response Time Graphing
Additional Services CPU Management
Layer 4 Transaction Logs
Remote Syslog Server
Client IP x forwarding (X-Forwarded-For)
Automatic Remote W3C Log Storage
Secure SSH & HTTPS for Remote Access Admin
Online User Central Support