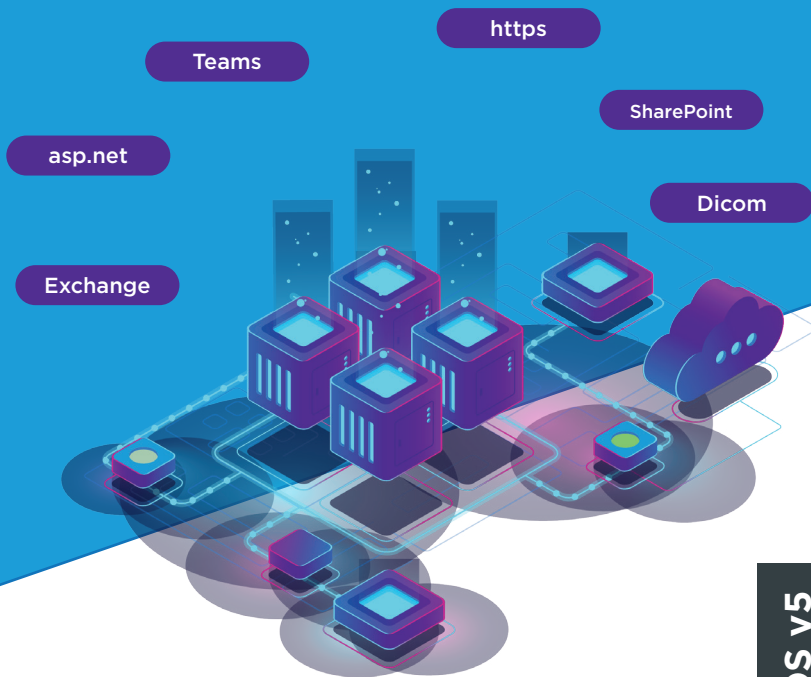# EDGE NEXUS

Application Delivery Controller Load Balancer

Changing the face of application delivery controllers with a high performance, innovative feature set, unbelievable ease of use under a cost effective, flexible licensing model

Virtual | Cloud | Hybrid

EdgeOS v5

Teams

https

asp.net

SharePoint

Dicom

Exchange

The Edgenexus Application Delivery Controller (EdgeADC) is powered by the latest EdgeOS and delivers high-grade, reliable, and scalable Layer 4 and Layer 7 load balancing to SMEs and large enterprises alike.

The advanced functionality is aided and complemented by an easy-to-use, fully web browser-driven interface, ensuring that usage is kept 100% free of coding and hassle-free.

Edgenexus is tested and battle-hardened with many key business applications, including Enterprise VPN solutions, remote desktop, email systems, medical scanning, to customised containerised application stacks.

Very easy to use

App Store

Easily scalable

Simple to configure

FEATURES

Unprecedented Ease of Use

Server Health Checking

Reverse Proxy

Instant Clustering

Web Acceleration

Layer 4/7 Load Balancing

SSL Offload & Re-Encryption

Pre-Authentication & Single Sign-On

Automatic Configuration

Global Server Load Balancing

flightPATH Traffic Management

Compression & Caching

Intuitive GUI

Web Application Firewall (WAF)

EDGE NEXUS

🌐 www.edgenexus.io

☎ UK: +44 808 1645876

☎ USA: (866) 376-0175

EDGENEXUS

Application Delivery Controller
Load Balancer

DEPLOY ANYWHERE LOAD BALANCING

There are various platforms upon which users choose to deploy their applications. Some are on-premise, others are based in cloud infrastructure, some are physical, and others are virtualization.

No matter where you wish to deploy, the EdgeADC can work to deliver an outstanding application delivery experience, improving security, scalability, reliability, and the end-user experience.

The EdgeADC is available to run on all the popular virtualization platforms and HPE bare-metal servers using our certified image.

Installation and initial configuration of the EdgeADC take just a couple of minutes, allowing you to create your first load balanced setup in less than 2 minutes.

We keep it easy and simple.

VIRTUALIZATION

vmware®   Microsoft Hyper-V

KVM   NUTANIX   CITRIX XenServer

PROXMOX

CLOUD

HARDWARE

Hewlett Packard Enterprise   intel.

TECHNICAL HEADLINES

- Install and configure in minutes
- Highly intuitive web user interface
- Drag and drop functionality
- GUI wizard with auto-complete
- In-built and custom health checks
- GUI driven flightPATH traffic management rules - 100% No coding
- Multiple predefined load balancing / persistence policies
- Layer 4 and Layer 7
- SSL Passthrough/Offload/Re-encryption with SNI
- Reverse Proxy/DSR/Gateway/NAT modes
- Microservices Containers for internal apps hosting - Cisco Duo, Let's Encrypt SSL, Dell-ECS, EdgeDNS and more
- WAF and GSLB options
- Pre-authentication and SSO supporting ADFS, LDAP, SAML and Radius
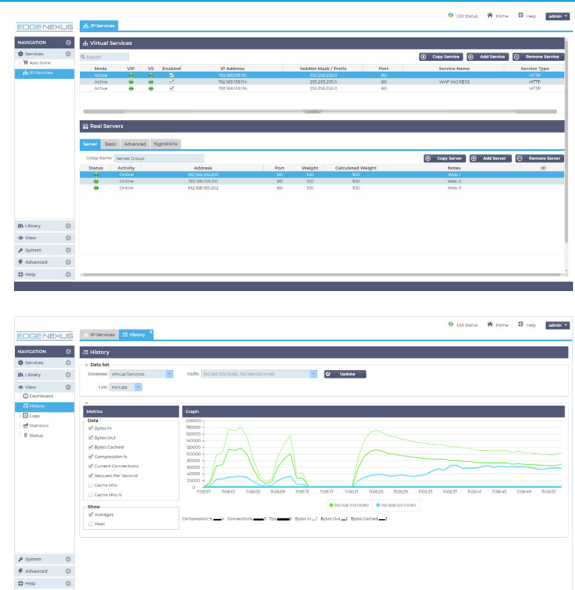
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RUN APPS IN MICRO-SERVICES CONTAINERS

One of the unique features of the EdgeADC is the ability to run applications on the platform.

A variety of Apps are available from the Edgenexus App Store; many are free, while others provide you with the same affordable price points that Edgenexus users enjoy.

When installed, apps operate highly securely and can seamlessly integrate with the host via the EdgeOS Rest API.

Apps currently available include the EdgeWAF, EdgeGSLB, Dell-ECS Configurator, Let's Encrypt SSL Manager, and more.

You can also deploy your own containerised apps to EdgeADC's application delivery platform, thus future-proofing your investment.
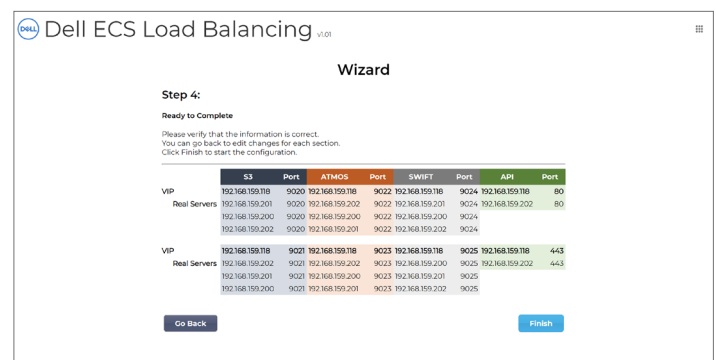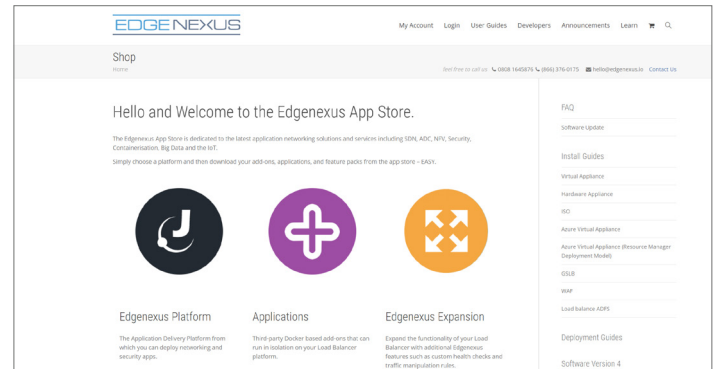
FLIGHTPATH - TRAFFIC MANAGEMENT ON-THE-FLY

One of the most powerful features of the EdgeADC is flightPATH, a traffic management technology that allows you to manipulate and direct requests and responses on the fly based on easy-to-set-up conditions.

Examples of flightPATH rules include:

- Redirect users based on criteris such as hostname, geography or source IP
- Blank out credit card numbers
- Mask sensitive information
- Change the content of headers and cookies
- Automatically add content expiry dates
- Change the BODY content of pages based on criteria
- Redirect based on language
- Automatically insert the code for analytics such as Google
- Filter or redirect users based on the source network, etc. using REGEX

flightPATH rules can range from the sublimely simple to the most complex and are all authored without a single line of coding. Just use EdgeADC's GUI to write and test your rules in real-time.

Allocation and deployment of flightPATH rules to virtual services is a simple drag-and-drop action, cementing the truly easy-to-use nature of the EdgeADC.

And all of this and more, with ZERO coding.

EDGENEXUS

Application Delivery Controller
Load Balancer
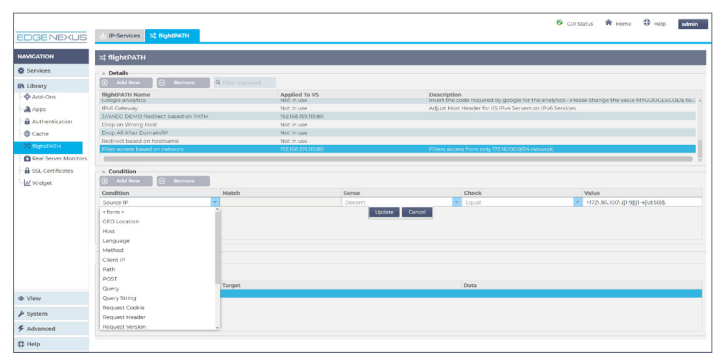
TECHNICAL SPECIFICATIONS

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
- Configurable 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
- 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
- Radius Health Check
- DNS Health Check
- 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 / Direct Server Return
- Gateway Mode / NAT Mode
- High Performance Layer 4 Load Balancing

GLOBAL SERVER LOAD BALANCING
(Additional Licence)

- Disaster Recovery for your data centers
- Active-Active:
- Round Robin
- Weighted
- Geo-Location
- Custom Location
- GSLB Replication

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

EDGE NEXUS

Application Delivery Controller
Load Balancer

- Intermediate Certificate Support with Reordering
- Support for Server Alternative Names
- Support for Wildcard SSL Certificates
- SSL Certificate Chaining
- Support for TLS 1.2 / TLS 1.3
- Customisable Ciphers
- Full Support for Server Name Indication (SNI)
- Multiple Certificates Per Service for SNI

SECURITY

- Web Application Firewall (Additional Licence)
- Pre-Authentication (ADFS/LDAP/SAML/RADIUS)
- 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

flightPATH TRAFFIC MANAGEMENT

- 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 ADC to Cloud Services
- Cloud & Download for Software Updates

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

CLUSTERING / HIGH AVAILABILITY

- Active-Passive / Active-Active
- Broadcast Discovery / Unicast / Hybrid
- Automatic Replication (Cluster mode only)

MANAGEMENT & REPORTING

- GUI and Configuration
- Secure Web-Based GUI
- Customisable Dashboard
- Configurable Widgets
- Automatic EdgeADC 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

HOW TO TRY

Evaluating the EdgeADC is easy.

On-Premise Evaluation

You can evaluate it within your own IT infrastructure by downloading and installing it on the virtualization framework of your choice.
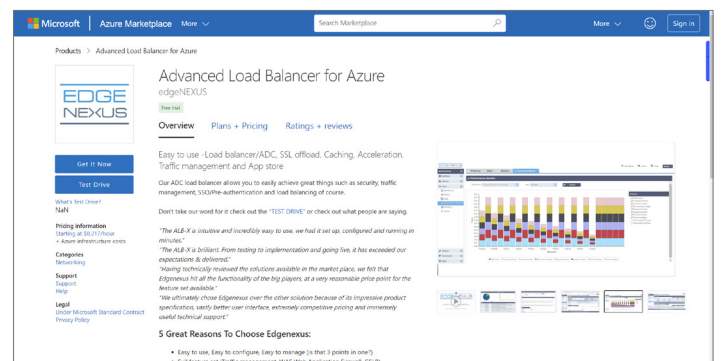
Navigate to the Edgenexus website and fill in the simple form to receive the download instructions and links.
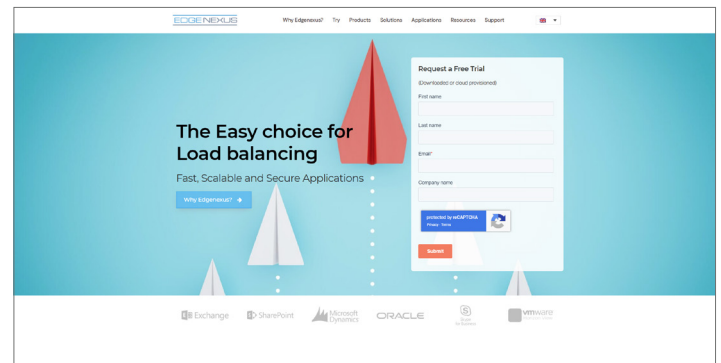
In Azure

The second option is to use the Azure Test Drive free of cost and allows you to set up and test the EdgeADC on Azure for a few hours.

Once you have tested the EdgeADC in Azure, you can buy the license through your partner or Azure Marketplace.

WHAT USERS HAVE SAID

"The EdgeADC is intuitive and incredibly easy to use, we had it set up, configured and running in minutes."

"The EdgeADC is brilliant. From testing to implementation and going live, it has exceeded our expectations & delivered."

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

"We ultimately chose Edgenexus over the other solution because of its impressive product specification, vastly better user interface, extremely competitive pricing and immensely useful technical support."

You'll be in very good company

Capterra

4.9 ★★★★★

Overall (4.9/5) ★★★★★

Ease of Use (5/5) ★★★★★

Customer Service (4.9/5) ★★★★★

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