If You Like NGINX, You’ll Love NGINX Plus

Every company is a technology company. The applications you build play a critical role in your company’s future. But building applications is only the half the battle; success or failure depends on how well you deploy, secure, and scale your applications.

NGINX Plus is the only all-in-one API gateway, cache, load balancer, web application firewall (WAF), and web server. NGINX Plus extends NGINX Open Source with exclusive features and award-winning support, providing customers with a complete application delivery solution.

Why NGINX Plus?

Consolidation
Reduce complexity and simplify management by consolidating load balancer, API gateway, and WAF into a single elastic ingress/egress tier

Cost Savings
Save more than 80% compared to hardware load balancers with NGINX Plus and commodity hardware

Flexibility
Deploy anywhere. Multi-cloud: AWS, Azure, GCP, and VMware. Containers: Docker, Kubernetes, and OpenShift
NGINX Plus Features

AUTHENTICATION
• HTTP Basic Authentication
• HTTP authentication subrequests
• X.509 client certificate authentication
• NTLM authentication
• JSON Web Token (JWT) validation
• OpenID Connect
• Single sign-on: Keycloak, Okta, OneLogin, Ping Identity, most IdPs

CONTENT CACHE
• Cache static and dynamic content
• Micro and byte-range caching
• Serve content when origin is unavailable; improves uptime
• Override or set Cache-Control headers
• Cache purging

HIGH AVAILABILITY
• Active-active and active-passive HA modes
• Configuration synchronization
• State sharing: sticky-learn session persistence, rate limiting, and key-value stores
• Easy installation with built-in script

LOAD BALANCER
• HTTP, TCP, and UDP load balancing
• Random with Two Choices, Round Robin, and Least Connections algorithms
• Passive health checks
• IP Hash session persistence
• IP transparency
• Direct Server Return (DSR)
• Layer 7 request routing
• Least Time algorithm, can be used with Random with Two Choices
• Active HTTP, TCP, and UDP health checks
  – Customizable HTTP status code check
  – Regex pattern matching on HTTP response body
  – TCP Connect health check
• Sticky-cookie (insertion and learning) and sticky-route session persistence
• Service discovery using DNS

MONITORING
• Stub status module with 7 aggregated metrics
• Extended status with over 150 unique metrics
• Real-time graphical dashboard
• JSON output for integration with custom monitoring tools

PROGRAMMABILITY
• NGINX JavaScript module for scripting and advanced configurations
• Lua scripting language
• Ansible, Chef, and Puppet integration
• Key-value store for dynamic configuration
• NGINX Plus API for managing upstream servers, key-value stores, and metrics
• Dynamic reconfiguration without process reloads

SECURITY CONTROLS
• Request, connection, and bandwidth limiting
• IP address access control list (ACL)
• Dual stack RSA/ECC SSL/TLS offloading
• Server-side SSL/TLS encryption
• TLS 1.3 support
• Mutual TLS termination and proxying
• Secure links
• Dynamic DDoS mitigation
• NGINX WAF module*

STREAMING MEDIA
• Live: RTMP, HTTP Live Streaming (HLS), DASH
• VoD: Flash (flv), MP4
• Adaptive-bitrate VOD: HLS, Adobe HTTP Dynamic Streaming (HDS)
• Bandwidth controls for MP4 streaming

THIRD-PARTY INTEGRATIONS
• Kubernetes Ingress Controller
• OpenShift Router
• Third-party modules: Headers-More, Set-Misc, etc.
• Certified modules: 51Degrees, ForgeRock, etc.

WEB SERVER/REVERSE PROXY
• Serve static content with low memory footprint
• Reverse proxy gRPC, HTTP, Memcached, PHP-FPM, SCGI, and uwsgi servers
• IP address geolocation (requires MaxMind GeoIP database)
• HTTP/2 termination and HTTP/2 server push

SUPPORTED ENVIROMENTS

Cloud
• Amazon Web Services (AWS)
• Google Cloud Platform (GCP)
• Microsoft Azure
• VMware

Containers
• Docker
• Kubernetes
• OpenShift

CPUs
• ARM (64 bit)
• PowerPC (64 bit)
• x86 (32 and 64 bit)

For more information, visit:
nginx.com/products/nginx/
or send us an email at nginx-inquiries@nginx.com

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