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

Modernization
Build a high-performance, adaptable, software-first IT infrastructure aligned to DevOps and modern app architectures

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

NGINX is a part of F5
**Authentication**
- HTTP Basic Authentication
- HTTP authentication subrequests
- X.509 client certificate authentication
- NTLM authentication
- Encrypted JSON Web Token (JWT, JWE) validation support
- 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
- F5 Device ID+ integration
- NGINX App Protect 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 Environments**
- Cloud
  - Amazon Web Services (AWS)
  - Google Cloud Platform (GCP)
  - Microsoft Azure
  - VMware
- Containers
  - Docker
  - Kubernetes
  - OpenShift
- Operating Systems
  - Alpine Linux
  - Amazon Linux
  - CentOS
  - Debian
  - FreeBSD
  - Oracle Linux
  - RHEL
  - SUSE
  - Ubuntu
- CPUs
  - ARM (64 bit)
  - PowerPC (64 bit)
  - x86 (64 bit)

*NGINX App Protect WAF is based on F5’s market-leading WAF technology. Additional cost.
Bold features are exclusive to NGINX Plus.

For more information, visit nginx.com/products/nginx/
Get started with a 30-day free trial of NGINX by visiting nginx.com/free-trial-request/

©2021 F5, Inc. All rights reserved. NGINX, NGINX App Protect WAF, NGINX, JavaScript, NGINX Open Source, NGINX Plus, F5, the NGINX logo, and the F5 logo are trademarks of F5, Inc. in the U.S. and in certain other countries. Other F5 trademarks are identified at f5.com. Any other products, services, or company names referenced herein may be trademarks of their respective owners with no endorsement or affiliation, expressed or implied, claimed by F5.