If You Like NGINX, You’ll Love F5 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
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 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

Operating Systems
- Alpine Linux
- Amazon Linux
- CentOS
- Debian
- FreeBSD
- Oracle Linux
- RHEL
- SUSE
- Ubuntu

Supported Environments

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

Containers
- Docker
- Kubernetes
- OpenShift

CPUs
- ARM (64 bit)
- PowerPC (64 bit)
- x86 (64 bit)

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/

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