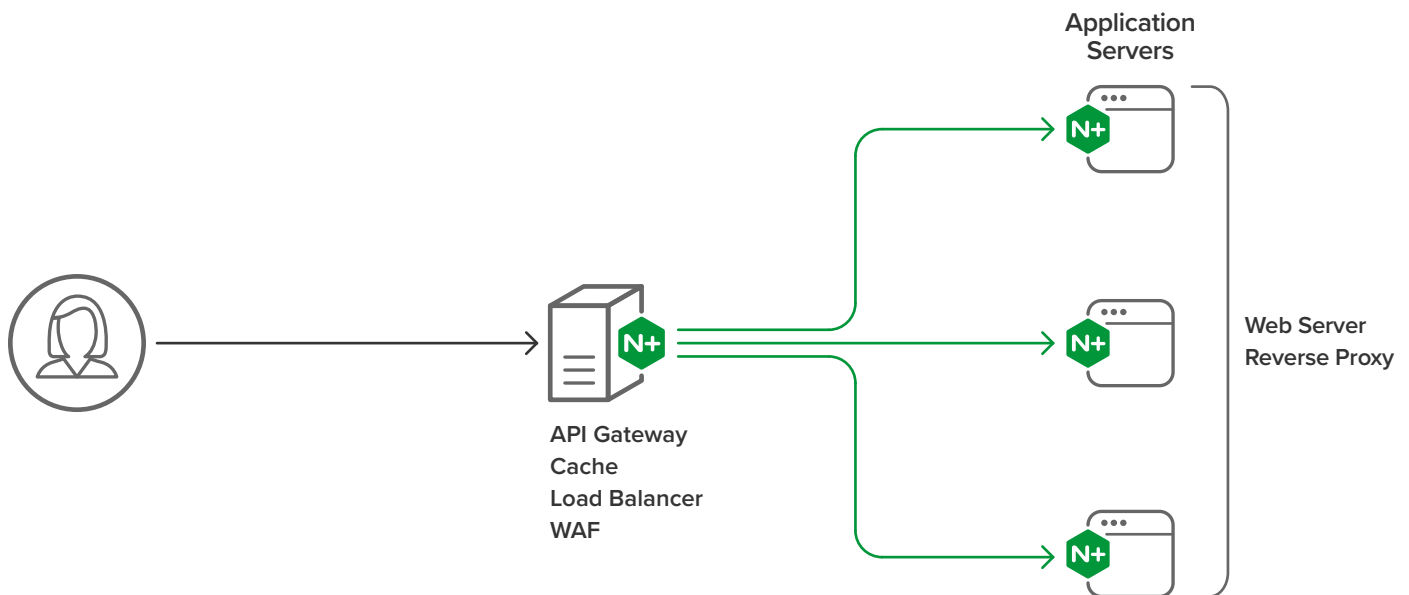


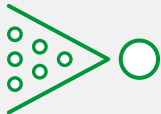
## If You Like NGINX, You'll Love NGINX Plus

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



## 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**

\*NGINX App Protect WAF is based on F5's market-leading WAF technology. Additional cost.

**Bold features are exclusive to NGINX Plus.**



## 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

### CPUs

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

### Operating Systems

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

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

