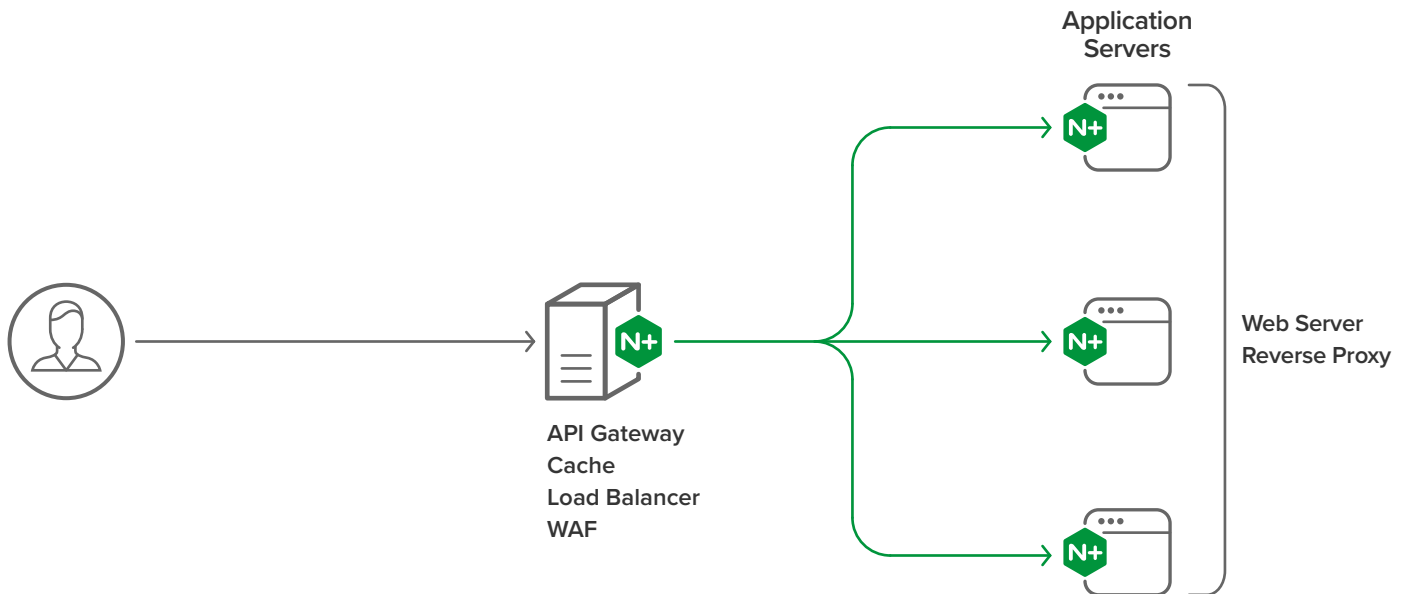


If You Like NGINX, You'll Love NGINX Plus

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

* NGINX WAF is based on ModSecurity. 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
- 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 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 (32 and 64 bit)

Operating Systems

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

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