

# Flawless application delivery

Scale and secure your apps with ease

Your business no longer just depends on the applications you build, it is the applications you build. Every business is now a digital business, and 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 extends the open source NGINX software with advanced functionality and award-winning support, providing customers with a complete application delivery solution. NGINX Plus combines a load balancer, content cache, web server, security controls, and rich application monitoring and management into one easy-to-use software package.

“ We had an expensive upgrade coming up with our current [hardware-based] load balancing provider, so we looked at alternatives. We found that we could do more with NGINX Plus and do it at a quarter of the cost at most. ”

MATT BLAHA, SENIOR SYSTEMS ENGINEER, DISCOVERY EDUCATION

## DID YOU KNOW THAT NGINX PLUS...

- Saves you 85% or more compared to hardware application delivery controllers (ADC)
- Runs bare metal on industry-standard x86, ARM, and Power8 servers
- Works in all public and private clouds
- Runs easily in containers, and is one of the most popular tools on Docker Hub
- Is the top-rated ADC for bimodal IT
- Is fully automatable; manage configuration with Chef, Puppet, and Ansible
- Has no throughput limits
- Is less than 5 MB in size
- Can be extended with dynamically pluggable modules
- Has site and application-wide licensing available

The world's largest enterprises and most innovative brands rely on NGINX Plus to deliver their online experiences to the world:



# NGINX Plus features



## LOAD BALANCER

- HTTP, TCP, and UDP load balancing
- Round Robin and Least Connections load balancing algorithms
- Passive health checks
- IP Hash session persistence
- IP Transparency
- Direct Server Return (DSR)
- Layer 7 request routing
- Least Time load balancing algorithm\*
- Active HTTP, TCP, and UDP health checks\*
  - Customizable HTTP status code check
  - Regex pattern matching on HTTP response body
  - TCP Connect health check
- Slow-start for new or failed servers\*
- Sticky cookie (insertion and learning) and sticky route session persistence\*
- Session draining\*
- Dynamic reconfiguration of backend servers using REST-like API\*
- DNS service discovery integration\*



## CONTENT CACHE

- Cache static and dynamic content
- Micro-caching
- Byte-range caching
- Cache limiting or bypassing
- Background cache revalidation
- Support for `stale-while-revalidate` and `stale-if-error` cache extensions defined in [RFC 5861](#)
- Override or set cache control headers
- Cache purging\*



## SECURITY CONTROLS

- Request/connection limiting
- IP address white/black lists
- Dual stack RSA/ECC SSL/TLS offloading
- HTTP Basic authentication
- IP access control list (ACL)
- Proxying requests with NTLM authentication\*
- API authentication with JSON Web Tokens (JWT)\*
- OpenID Connect Single Sign On (SSO) \*



## WEB SERVER AND REVERSE PROXY

- Serve static content
- Reverse proxy HTTP, Memcached, PHP-FPM, SCGI, and uWSGI servers
- Geolocation of users by IP address (requires MaxMind GeoIP database)
- HTTP/2 gateway
- HTTP video streaming with support for FLV, HDS, HLS, and MP4 formats



## MONITORING AND MANAGEMENT:

- Stub status
- Plug-ins for New Relic, AppDynamics, DataDog, and NGINX Amplify
- Detailed access logs
- Extended status with over 90 unique metrics across\*
- Bundled in real-time graphical dashboard\*
- JSON and HTML output for integration with custom monitoring tools\*
- API for managing upstream servers, key-value stores, and real-time metrics\*
- Active-active and active-passive high availability (HA) with config sync\*



## 24X7 EXPERT SUPPORT

All NGINX Plus instances come with enterprise-grade support that provides direct access to the core NGINX engineering team.

- 2016 Silver Stevie Award for excellence in sales and customer service
- 9.5/10 average customer satisfaction rating
- Professional service offerings available

*\* Exclusive to NGINX Plus*

**For more information, visit [nginx.com](https://nginx.com) or send us an email at [nginx-inquiries@nginx.com](mailto:nginx-inquiries@nginx.com)**

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