

NGINX Plus for Telcos

Hardware-based application delivery has been an effective approach for telcos for two decades. When creating exciting new products and services, however, software-based approaches offer greater advantages. Today, using modern software and cloud-focused approaches to building new services can accelerate time-to-market while keeping costs low.

NGINX Plus, running on industry-standard infrastructure, is a software-based alternative to hardware application delivery controllers (ADCs). It combines the features you rely on – load balancer, web application firewall (WAF), content cache, web server, and rich application monitoring and management capabilities – into a scalable and easy-to-use software package. Our customers have reported cost savings of up to 80% after moving to NGINX Plus.

“Our focus was Layer 7 load balancing and SSL termination – few products can do all of that well. We found that NGINX Plus was the best and the easiest.”

—Vinay Kudithipudi, VP of Data Centers and Infrastructure, Gogo

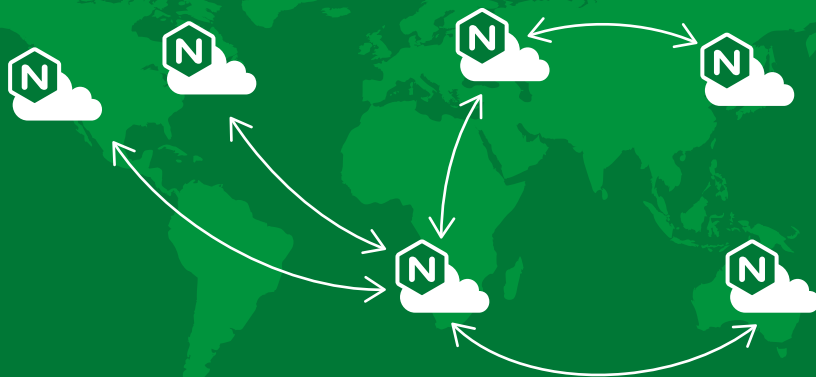
TELEPHONY SERVICES



A large UK telco is using NGINX Plus to provide scalable IP telephony services to its customers:

- Drastic cost savings with load-balancing software that runs on industry standard hardware
- Call routing based on priority and business logic
- Large volumes of VoIP requests scaled and routed across multiple sites
- Massive quantities of metrics gathered across distributed platforms for administration and QoS

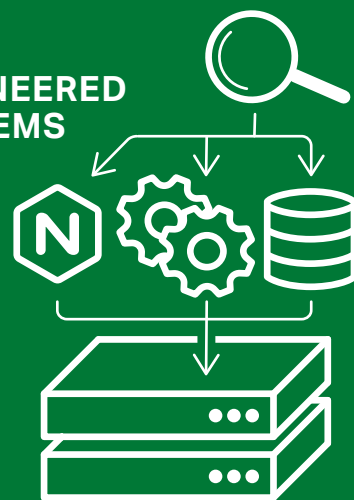
BUILD YOUR OWN CDN



A large German telco is using NGINX Plus to provide localized cloud and CDN services to their customers:

- Load balancing as a service (LBaaS)
- Scalable caching architecture already used by well-known CDNs
- Deep visibility to track usage for billing

ENGINEERED SYSTEMS



A large US telco is using NGINX Plus as a key part of their engineered systems:

- All-in-one load balancing, security, and high availability ensures the reliability of engineered systems
- Software can be deployed as a Virtualized Network Function (VNF)
- Configuration easily managed and replicated with Chef, Puppet, or Ansible
- No vendor lock-in, works in all public and private clouds

NGINX+

Learn more at [nginx.com](https://www.nginx.com)

NGINX Plus Features



LOAD BALANCER

Scale your applications with full-featured HTTP, TCP, and UDP load balancing.

- Layer 7 request routing
- HTTP, TCP, and UDP health checks to detect down servers
- Application-aware HTTP health checks with regex pattern matching to verify web content is correct
- Slow-start recovery for failed servers
- Session persistence based on IP address, cookies, and more
- Dynamic reconfiguration of backend servers using DNS or an HTTP API
- Direct Server Return (DSR) for UDP apps
- IP Transparency



CONTENT CACHE

Improve performance while reducing load on application servers and databases.

- Scalable architecture used by popular CDNs
- Deliver content even if origin is down
- Cache purging
- Override or set cache control headers



WEB APPLICATION FIREWALL (WAF) AND SECURITY CONTROLS

Protect your applications against both internal and external threats.

- OWASP Top 10 (SQLi, LFI, RFI, RCE, etc.) protection
- PCI-DSS Requirement 6.6 Compliance
- OpenID Connect SSO
- Request/connection limiting
- DDoS mitigation
- IP address white/black lists
- Detailed audit logs



WEB SERVER AND REVERSE PROXY

Deliver static assets and proxy to app servers for dynamic content.

- Scalable event-driven architecture
- Support for HTTP, Memcached, FastCGI, SCGI, and uWSGI proxying
- SSL/TLS offloading with support for Elliptic Curve Cryptography (ECC)
- HTTP/2 gateway



MONITORING AND MANAGEMENT:

Real-time performance metrics such as active connections, requests per second, and SSL TPS.

- Health monitoring of HTTP, TCP, and UDP apps with automatic failover and recovery
- Over 90 unique metrics across both virtual servers and backend servers
- Bundled in real-time graphical dashboard
- JSON output for integration with custom monitoring tools
- Plug-ins for New Relic, AppDynamics, DataDog, NGINX Amplify, and more
- Active-active and active-passive high availability (HA)



24x7 EXPERT SUPPORT

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

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

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