

NGINX is an advanced Internet infrastructure software. It is a high performance edge web server with the lowest memory footprint and it provides complete combination of the key features required to build modern and efficient web infrastructure. NGINX functionality includes HTTP web server, HTTP and SMTP/IMAP/POP3 reverse proxy, content caching, load balancing, compression, connection and request throttling, connection multiplexing and reuse, SSL offload and HTTP media streaming. Today NGINX is the 2nd most popular open source web server on the Internet.

Key benefits

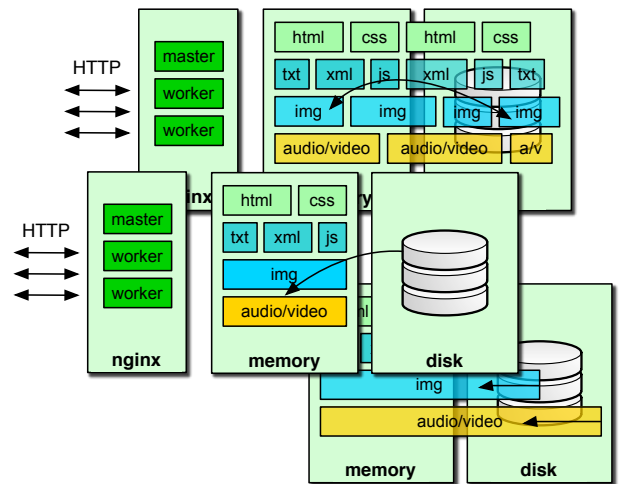
- ☑ Extreme performance and scalability
- ☑ Reliability and simplified operations
- ☑ 100000+ connections per server
- ☑ 50000+ requests per second
- ☑ Lowest memory footprint
- ☑ Layer 7 acceleration and caching
- ☑ Security
- ☑ Flexibility

Features

- HTTP and HTTPS (TLS/SSL/SNI)
- Ultra-fast web server for static and dynamic content
- FastCGI, WSGI, SCGI
- High concurrency HTTP proxy with load balancing and caching
- Non-stop live binary upgrades and configuration
- Compression and content filters
- Virtual hosts
- HTTP media streaming
- Connection and request throttling
- Comprehensive access control
- Custom logging
- Embedded scripting
- Mail proxy for SMTP/IMAP/POP3 with TLS
- Simple, logical, scalable configuration

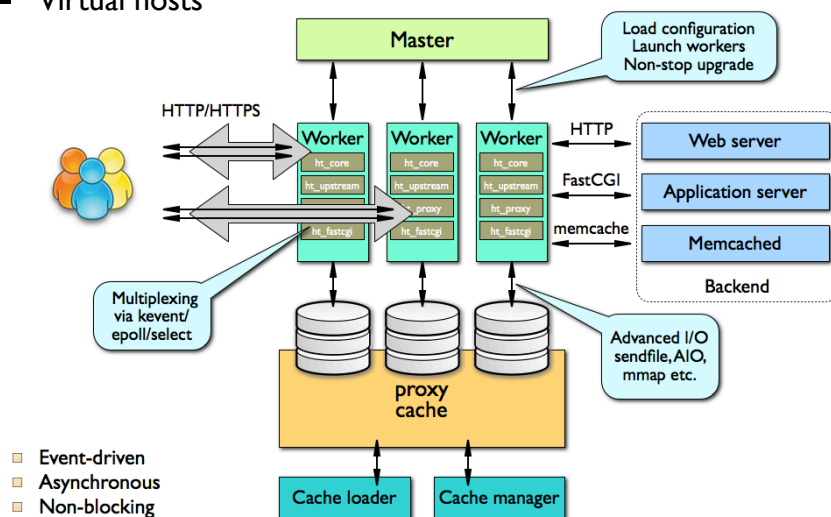
Scenarios of use

- Offloading concurrent connections and SSL from backends
- High density web hosting and VPS
- Securing application servers
- Offloading static content and video streaming
- Re-engineering application or hosting infrastructure



Architecture

- Event-driven
- Asynchronous
- Non-blocking
- Modular
- One master
Several workers



- Event-driven
- Asynchronous
- Non-blocking