



Grundlagen der Web-Entwicklung

INF3172

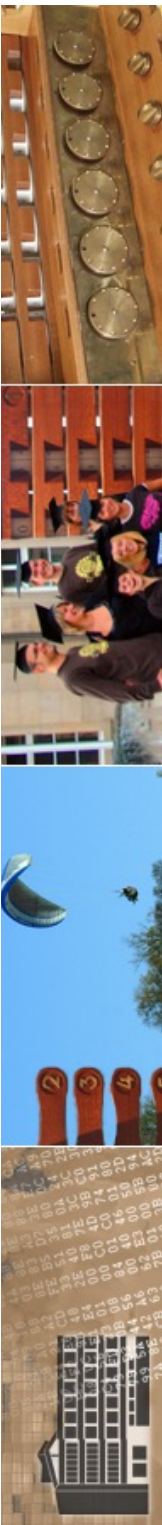
Performante Webserver:
NGINX und Caddy

Thomas Walter

13.11.2025

Version 1.0

NGINX





Windows 10 22H2: Update außer der Reihe – korrigiert ESU-Probleme

Einige Windows-10-Nutzer erhalten ein Update-Angebot nach dem Support-Ende. Es korrigiert Probleme mit der Supportverlängerung.



(Bild: Anton Watman/Shutterstock.com)

07:47 Uhr Lesezeit: 2 Min. | Security

Von Dirk Knop

Da staunen einige Windows-10-Nutzerinnen und -Nutzer nicht schlecht: Ohne Registrierung für den erweiterten Support ("Extended Security Updates", ESU) erhalten sie ein Sicherheitsupdate außer der Reihe angeboten. Es korrigiert ein Problem, das die Einrichtung der ESU auf Privatanwender-Rechnern verhindert.

In den Windows-Release-Health-Notizen erklärt Microsoft das unerwartete Update. Demnach hat Microsoft Fälle entdeckt, bei denen der Einrichtungsprozess für die erweiterten Sicherheitsupdates fehlschlagen kann. Daher wird auf Windows-10-Rechnern mit Endanwender-Lizenzen, auf denen das ESU nicht eingerichtet wurde, nun das Update außer der Reihe angeboten.

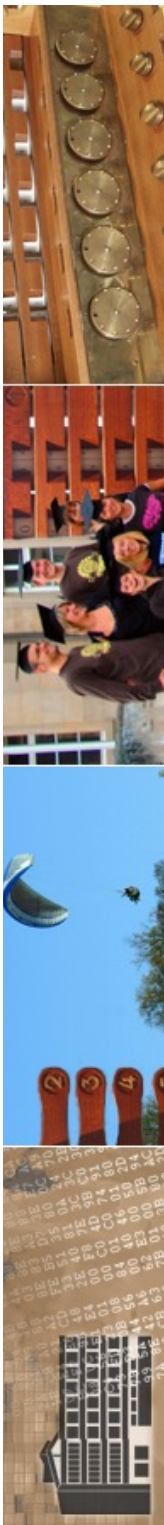


das Weihnachtsrätsel

- am 1. Advent 30.11.2025
ab 11.00h:
das Weihnachtsrätsel

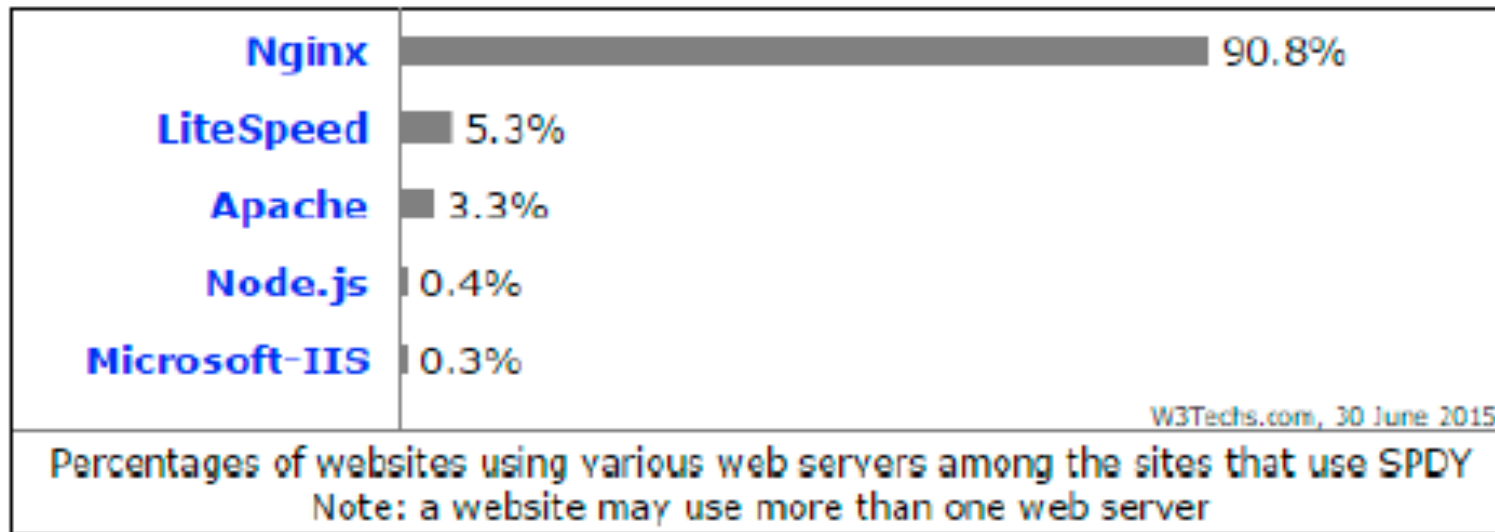


- Preise für schnellste Lösung und Verlosung weiterer
- Auflösung und Verlosung der Gewinne in der Vorlesung vor Weihnachten



NGINX

- Web Server & Reverse/Mail Proxy
- nginx.org (nginx.com existiert auch)
- Optimiert auf Performance





Join us on the new [NGINX Community Forum](#) to connect with users, discover the latest community activity, and troubleshoot issues together.

nginx

nginx ("engine x") is an HTTP web server, reverse proxy, content cache, load balancer, TCP/UDP proxy server, and mail proxy server. Originally written by [Igor Sysoev](#) and distributed under the [2-clause BSD License](#). Enterprise distributions, commercial support and training are [available from F5, Inc.](#)

[Docs](#) • [Code](#) • [Install](#) • [Beginner's Guide](#)

Latest News

2025-10-28 [nginx-1.29.3](#) mainline version has been released.


2025-10-28 [njs-0.9.4](#) version has been [released](#), featuring HTTP forward proxy support for [ngx.fetch\(\)](#) API in [http](#) and [stream](#).

2025-10-07 [nginx-1.29.2](#) mainline version has been released.


2025-10-07 [njs-0.9.3](#) bugfix version has been [released](#).

[Older news](#)


Other NGINX Projects




NGINX JavaScript (njs) extends nginx functionality with an ECMAScript-compatible interpreter for HTTP and Stream modules.
[Docs](#) • [Code](#)



NGINX Ingress Controller connects Kubernetes apps and services with rock solid request handling, auth, self-service CRDs, and easy debugging.
[Docs](#) • [Code](#)



NGINX Gateway Fabric provides L4 and L7 routing capabilities in Kubernetes, implementing the Gateway API using NGINX as the data plane.
[Docs](#) • [Code](#)



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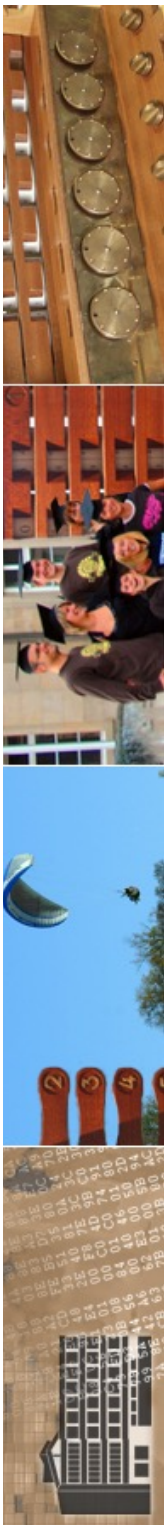
Eigenschaften

- Auslieferung von statischem Inhalt
- Reverse Proxy mit Caching
- Load Balancing
- TLS (SSL)
- FastCGI, CGI
- Streaming
- HTTP 1.1/2.0, SPDY
- Websockets
- Embedded Perl Scripting



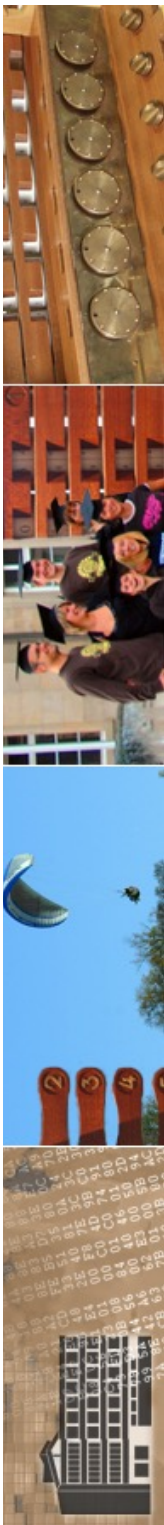
Genese

- 2002: Entwicklungsbeginn durch Igor Sysoev
- 2004: Veröffentlichung von Version 0.1.0
- 2011: Veröffentlichung von Version 1.0
- 2012 Gründung von NGINX Inc.
- 2013 NGINX plus (kommerzielle Version)
- November 2025: NGINX 1.29.3



NGINX in Details

- Architektur
 - Modular
 - C
- Betriebssysteme
 - alle gängigen
 - Linux, OIS-X, FreeBSD
 - Windows nicht so stark performance-optimiert





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nginx: Linux packages

[Supported distributions and versions](#)
[Installation instructions](#)
[RHEL and derivatives](#)
[Debian](#)
[Ubuntu](#)
[SLES](#)
[Alpine](#)
[Amazon Linux](#)
[Source Packages](#)
[Dynamic Modules](#)
[Signatures](#)

Supported distributions and versions

nginx packages are available for the following Linux distributions and versions:

[RHEL and derivatives](#)

Version	Supported Platforms
8.x	x86_64, aarch64/arm64
9.x	x86_64, aarch64/arm64
10.x	x86_64, aarch64/arm64

[Debian](#)

Version	Supported Platforms
11.x "bullseye"	x86_64, aarch64/arm64
12.x "bookworm"	x86_64, aarch64/arm64
13.x "trixie"	x86_64, aarch64/arm64

[Ubuntu](#)

Version	Supported Platforms
22.04 "jammy"	x86_64, aarch64/arm64

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https://nginx.org/en/linux_packages.html#distributions

Supported distributions and versions

nginx packages are available for the following Linux distributions and versions:

[RHEL and derivatives](#)

Version	Supported Platforms
8.x	x86_64, aarch64/arm64
9.x	x86_64, aarch64/arm64
10.x	x86_64, aarch64/arm64

[Debian](#)

Version	Supported Platforms
11.x "bullseye"	x86_64, aarch64/arm64
12.x "bookworm"	x86_64, aarch64/arm64
13.x "trixie"	x86_64, aarch64/arm64

[Ubuntu](#)

Version	Supported Platforms
22.04 "jammy"	x86_64, aarch64/arm64
24.04 "noble"	x86_64, aarch64/arm64
25.04 "plucky"	x86_64, aarch64/arm64
25.10 "questing"	x86_64, aarch64/arm64

[SLES](#)

Version	Supported Platforms
15 SP6+	x86_64

[Alpine](#)

Version	Supported platforms
3.19	x86_64, aarch64/arm64
3.20	x86_64, aarch64/arm64
3.21	x86_64, aarch64/arm64

[community](#)
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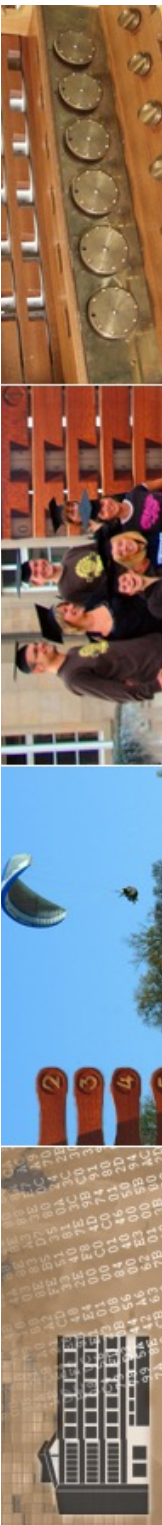
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manuelle Installation

- ähnlich zu Apache
 - (als fertiges Linux-Paket)
 - aus den Source-Files mit
 - configure
 - make
 - make install





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nginx: download

Mainline version

[CHANGES](#) [nginx-1.29.3](#) [pgp](#) [nginx/Windows-1.29.3](#) [pgp](#)

Stable version

[CHANGES-1.28](#) [nginx-1.28.0](#) [pgp](#) [nginx/Windows-1.28.0](#) [pgp](#)

Legacy versions

CHANGES-1.26	nginx-1.26.3 pgp	nginx/Windows-1.26.3 pgp
CHANGES-1.24	nginx-1.24.0 pgp	nginx/Windows-1.24.0 pgp
CHANGES-1.22	nginx-1.22.1 pgp	nginx/Windows-1.22.1 pgp
CHANGES-1.20	nginx-1.20.2 pgp	nginx/Windows-1.20.2 pgp
CHANGES-1.18	nginx-1.18.0 pgp	nginx/Windows-1.18.0 pgp
CHANGES-1.16	nginx-1.16.1 pgp	nginx/Windows-1.16.1 pgp
CHANGES-1.14	nginx-1.14.2 pgp	nginx/Windows-1.14.2 pgp
CHANGES-1.12	nginx-1.12.2 pgp	nginx/Windows-1.12.2 pgp
CHANGES-1.10	nginx-1.10.3 pgp	nginx/Windows-1.10.3 pgp
CHANGES-1.8	nginx-1.8.1 pgp	nginx/Windows-1.8.1 pgp
CHANGES-1.6	nginx-1.6.3 pgp	nginx/Windows-1.6.3 pgp
CHANGES-1.4	nginx-1.4.7 pgp	nginx/Windows-1.4.7 pgp
CHANGES-1.2	nginx-1.2.9 pgp	nginx/Windows-1.2.9 pgp
CHANGES-1.0	nginx-1.0.15 pgp	nginx/Windows-1.0.15 pgp
CHANGES-0.8	nginx-0.8.55 pgp	nginx/Windows-0.8.55 pgp
CHANGES-0.7	nginx-0.7.69 pgp	nginx/Windows-0.7.69 pgp
CHANGES-0.6	nginx-0.6.39 pgp	
CHANGES-0.5	nginx-0.5.38 pgp	

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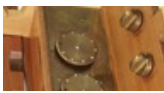
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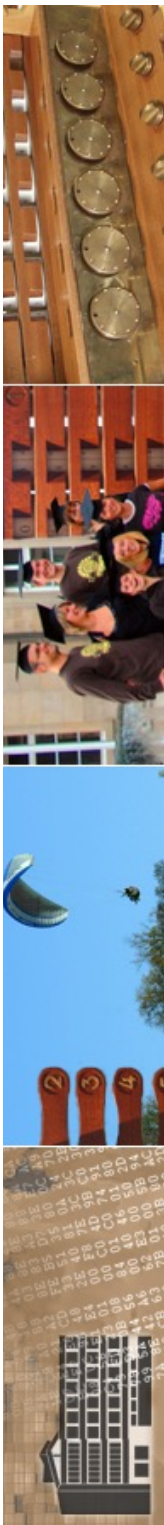


Building nginx from Sources

The build is configured using the `configure` command. It defines various aspects of the system, including the methods nginx is allowed to use for connection processing. At the end it creates a `Makefile`. The `configure` command supports the following parameters:

- `--prefix=path` — defines a directory that will keep server files. This same directory will also be used for all relative paths set by `configure` (except for paths to libraries sources) and in the `nginx.conf` configuration file. It is set to the `/usr/local/nginx` directory by default.
- `--sbin-path=path` — sets the name of an nginx executable file. This name is used only during installation. By default the file is named `prefix/sbin/nginx`.
- `--conf-path=path` — sets the name of an `nginx.conf` configuration file. If needs be, nginx can always be started with a different configuration file, by specifying it in the command-line parameter `-c file`. By default the file is named `prefix/conf/nginx.conf`.
- `--pid-path=path` — sets the name of an `nginx.pid` file that will store the process ID of the main process. After installation, the file name can always be changed in the `nginx.conf` configuration file using the [pid](#) directive. By default the file is named `prefix/logs/nginx.pid`.
- `--error-log-path=path` — sets the name of the primary error, warnings, and diagnostic file. After installation, the file name can always be changed in the `nginx.conf` configuration file using the [error log](#) directive. By default the file is named `prefix/logs/error.log`.
- `--http-log-path=path` — sets the name of the primary request log file of the HTTP server. After





```
zrvwa01@infodienste =>
```

```
zrvwa01@infodienste => ./configure --help
```

```
--help                print this message

--prefix=PATH          set installation prefix
--sbin-path=PATH       set nginx binary pathname
--modules-path=PATH    set modules path
--conf-path=PATH       set nginx.conf pathname
--error-log-path=PATH  set error log pathname
--pid-path=PATH        set nginx.pid pathname
--lock-path=PATH       set nginx.lock pathname


--user=USER            set non-privileged user for
                      worker processes
--group=GROUP          set non-privileged group for
                      worker processes


--build=NAME           set build name
--builddir=DIR         set build directory


--with-select_module   enable select module
--without-select_module disable select module
--with-poll_module     enable poll module
--without-poll_module  disable poll module


--with-threads         enable thread pool support

--with-file-aio        enable file AIO support


--with-http_ssl_module enable ngx_http_ssl_module
--with-http_v2_module  enable ngx_http_v2_module
--with-http_realip_module enable ngx_http_realip_module
--with-http_addition_module enable ngx_http_addition_module
--with-http_xslt_module enable ngx_http_xslt_module
--with-http_xslt_module=dynamic enable dynamic ngx_http_xslt_module
--with-http_image_filter_module enable ngx_http_image_filter_module
--with-http_image_filter_module=dynamic enable dynamic ngx_http_image_filter_module

--with-http_geoip_module enable ngx_http_geoip_module
--with-http_geoip_module=dynamic enable dynamic ngx_http_geoip_module
--with-http_sub_module  enable ngx_http_sub_module
--with-http_dav_module  enable ngx_http_dav_module
--with-http_flv_module  enable ngx_http_flv_module
--with-http_mp4_module  enable ngx_http_mp4_module
```





```
[thomas@Vaux =>
[thomas@Vaux => more myconfig
./configure
--prefix=/Users/thomas/temp/nginx-1.9.6
--user=thomas
--group=staff
--with-threads
--with-http_perl_module
--with-perl=/usr/bin/perl
--without-http_rewrite_module
```

Configuration summary

- + using threads
- + PCRE library is not used
- + OpenSSL library is not used
- + using builtin md5 code
- + sha1 library is not found
- + using system zlib library

```
nginx path prefix: "/Users/thomas/temp/nginx-1.9.6"
nginx binary file: "/Users/thomas/temp/nginx-1.9.6/sbin/nginx"
nginx configuration prefix: "/Users/thomas/temp/nginx-1.9.6/conf"
nginx configuration file: "/Users/thomas/temp/nginx-1.9.6/conf/nginx.conf"
nginx pid file: "/Users/thomas/temp/nginx-1.9.6/logs/nginx.pid"
nginx error log file: "/Users/thomas/temp/nginx-1.9.6/logs/error.log"
nginx http access log file: "/Users/thomas/temp/nginx-1.9.6/logs/access.log"
nginx http client request body temporary files: "client_body_temp"
nginx http proxy temporary files: "proxy_temp"
nginx http fastcgi temporary files: "fastcgi_temp"
nginx http uwsgi temporary files: "uwsgi_temp"
nginx http scgi temporary files: "scgi_temp"
```



```

zrvwa01@infodienste =>
zrvwa01@infodienste => more myconfig_nginx
./configure \
--prefix=/home/zrvwa01/nginx_test \
--user=zrvwa01
zrvwa01@infodienste =>
zrvwa01@infodienste => \
checking for zlib library ... found
creating objs/Makefile

Configuration summary
+ using system PCRE library
+ OpenSSL library is not used
+ using system zlib library

nginx path prefix: "/home/zrvwa01/nginx_test"
nginx binary file: "/home/zrvwa01/nginx_test/sbin/nginx"
nginx modules path: "/home/zrvwa01/nginx_test/modules"
nginx configuration prefix: "/home/zrvwa01/nginx_test/conf"
nginx configuration file: "/home/zrvwa01/nginx_test/conf/nginx.conf"
nginx pid file: "/home/zrvwa01/nginx_test/logs/nginx.pid"
nginx error log file: "/home/zrvwa01/nginx_test/logs/error.log"
nginx http access log file: "/home/zrvwa01/nginx_test/logs/access.log"
nginx http client request body temporary files: "client_body_temp"
nginx http proxy temporary files: "proxy_temp"
nginx http fastcgi temporary files: "fastcgi_temp"
nginx http uwsgi temporary files: "uwsgi_temp"
nginx http scgi temporary files: "scgi_temp"

```

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```

E zrvwa01@infodienste =>
checking for poll() ... found
checking for /dev/poll ... not found

```




```
zrvwa01@infodienste =>
zrvwa01@infodienste => make
make -f objs/Makefile
make[1]: Verzeichnis „/home/zrvwa01/nginx_install/nginx-1.19.5“ wird betreten
gcc -c -pipe -O -W -Wall -Wpointer-arith -Wno-unused-parameter -Werror -g -I src/core -I src/event -I src/event/modules -I src/os/unix -I objs \
    -o objs/src/core/nginx.o \
    src/core/nginx.c
gcc -c -pipe -O -W -Wall -Wpointer-arith -Wno-unused-parameter -Werror -g -I src/core -I src/event -I src/event/modules -I src/os/unix -I objs \
    -o objs/src/core/nginx_log.o \
    src/core/nginx_log.c
gcc -c -pipe -O -W -Wall -Wpointer-arith -Wno-unused-parameter -Werror -g -I src/core -I src/event -I src/event/modules -I src/os/unix -I objs \
    -o objs/src/core/nginx_palloc.o \
    src/core/nginx_palloc.c
gcc -c -pipe -O -W -Wall -Wpointer-arith -Wno-unused-parameter -Werror -g -I src/core -I src/event -I src/event/modules -I src/os/unix -I objs \
    -o objs/src/core/nginx_array.o \
    src/core/nginx_array.c
gcc -c -pipe -O -W -Wall -Wpointer-arith -Wno-unused-parameter -Werror -g -I src/core -I src/event -I src/event/modules -I src/os/unix -I objs \
    -o objs/src/core/nginx_list.o \
    src/core/nginx_list.c
```





```
zrvwa01@infodienste =>
zrvwa01@infodienste => make install
make -f objs/Makefile install
make[1]: Verzeichnis „/home/zrvwa01/nginx_install/nginx-1.19.5“ wird betreten
test -d '/home/zrvwa01/nginx_test' || mkdir -p '/home/zrvwa01/nginx_test'
test -d '/home/zrvwa01/nginx_test/sbin' \
    || mkdir -p '/home/zrvwa01/nginx_test/sbin'
test ! -f '/home/zrvwa01/nginx_test/sbin/nginx' \
    || mv '/home/zrvwa01/nginx_test/sbin/nginx' \
        '/home/zrvwa01/nginx_test/sbin/nginx.old'
cp objs/nginx '/home/zrvwa01/nginx_test/sbin/nginx'
test -d '/home/zrvwa01/nginx_test/conf' \
    || mkdir -p '/home/zrvwa01/nginx_test/conf'
cp conf/koi-win '/home/zrvwa01/nginx_test/conf'
cp conf/koi-utf '/home/zrvwa01/nginx_test/conf'
cp conf/win-utf '/home/zrvwa01/nginx_test/conf'
test -f '/home/zrvwa01/nginx_test/conf/mime.types' \
    || cp conf/mime.types '/home/zrvwa01/nginx_test/conf'
cp conf/mime.types '/home/zrvwa01/nginx_test/conf/mime.types.default'
test -f '/home/zrvwa01/nginx_test/conf/fastcgi_params' \
    || cp conf/fastcgi_params '/home/zrvwa01/nginx_test/conf'
cp conf/fastcgi_params \
    '/home/zrvwa01/nginx_test/conf/fastcgi_params.default'
test -f '/home/zrvwa01/nginx_test/conf/fastcgi.conf' \
    || cp conf/fastcgi.conf '/home/zrvwa01/nginx_test/conf'
```





```
zrvwa01@infodienste =>
zrvwa01@infodienste => ll
insgesamt 8
drwxr-xr-x 11 zrvwa01 142 Dez 1 21:22 ./
drwx---r-x 24 zrvwa01 4096 Dez 1 21:20 ../
drwx----- 2 zrvwa01 6 Dez 1 21:22 client_body_temp/
drwxr-xr-x 2 zrvwa01 4096 Dez 1 21:20 conf/
drwx----- 2 zrvwa01 6 Dez 1 21:22 fastcgi_temp/
drwxr-xr-x 2 zrvwa01 38 Dez 1 21:09 html/
drwxr-xr-x 2 zrvwa01 55 Dez 1 21:22 logs/
drwx----- 2 zrvwa01 6 Dez 1 21:22 proxy_temp/
drwxr-xr-x 2 zrvwa01 18 Dez 1 21:09 sbin/
drwx----- 2 zrvwa01 6 Dez 1 21:22 scgi_temp/
drwx----- 2 zrvwa01 6 Dez 1 21:22 uwsgi_temp/
zrvwa01@infodienste =>
```



Starting, Stopping, and Reloading Configuration

To start nginx, run the executable file. Once nginx is started, it can be controlled by invoking the executable with the `-s` parameter. Use the following syntax:

```
nginx -s signal
```

Where *signal* may be one of the following:

- `stop` — fast shutdown
- `quit` — graceful shutdown
- `reload` — reloading the configuration file
- `reopen` — reopening the log files

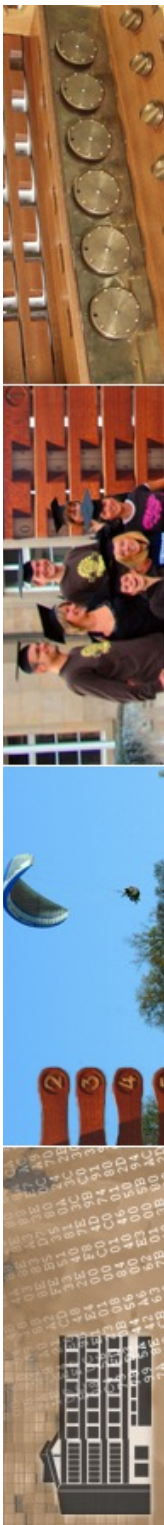
For example, to stop nginx processes with waiting for the worker processes to finish serving current requests, the following command can be executed:

```
nginx -s quit
```

This command should be executed under the same user that started nginx.

Changes made in the configuration file will not be applied until the command to reload configuration is sent to nginx or it is restarted. To reload configuration, execute:

```
nginx -s reload
```

It works!

```
zrvwa01@infodienste =>  
zrvwa01@infodienste =>  
zrvwa01@infodienste => ./nginx  
zrvwa01@infodienste =>
```

Konfiguration

- zentrale Konfigurationsdatei ist `nginx.conf`
im Unterordner `conf`
- hat nur 117 Zeilen...





compilieren: Apache versus nginx

Apache 2.4.51

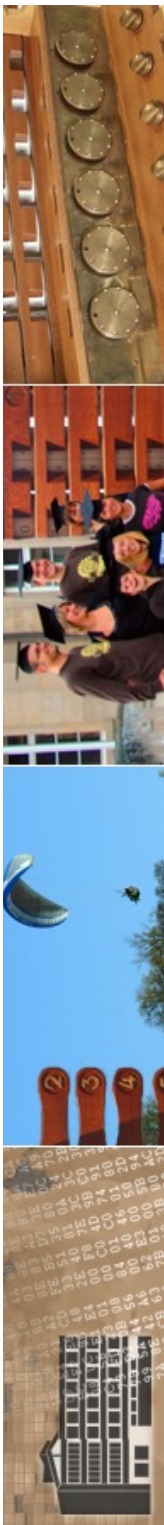
nginx 1.22.1

- `make | wc -l`

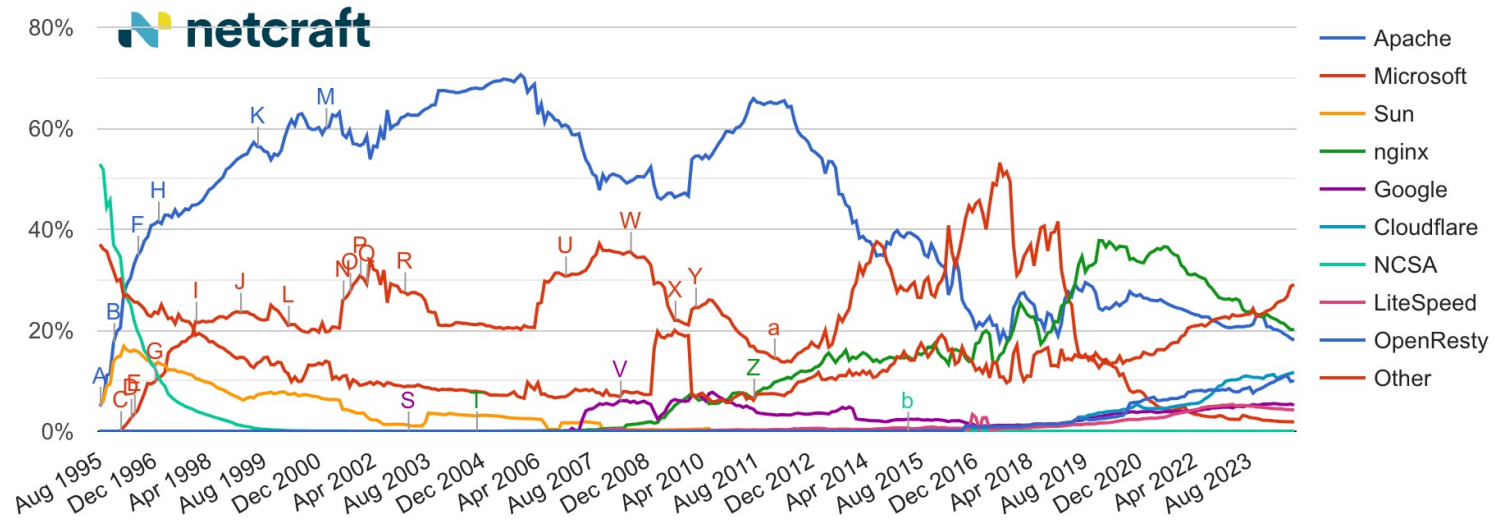
- `make | wc -l`

527

491



Web server developers: Market share of all sites

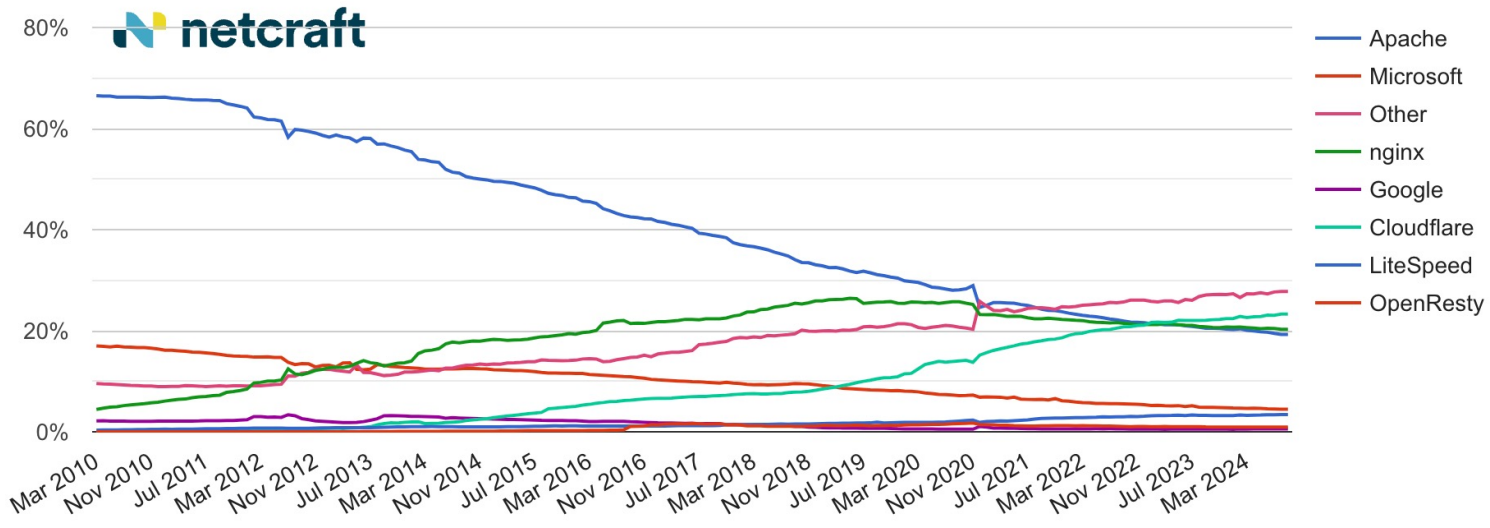


Developer	August 2024	Percent	September 2024	Percent	Change
nginx	223,025,645	20.13%	225,640,032	20.16%	0.03
Apache	203,825,341	18.40%	201,390,151	18.00%	-0.40
Cloudflare	127,028,522	11.47%	130,093,325	11.63%	0.16
OpenResty	108,954,196	9.84%	111,723,893	9.98%	0.15

<https://news.netcraft.com/archives/category/web-server-survey/>



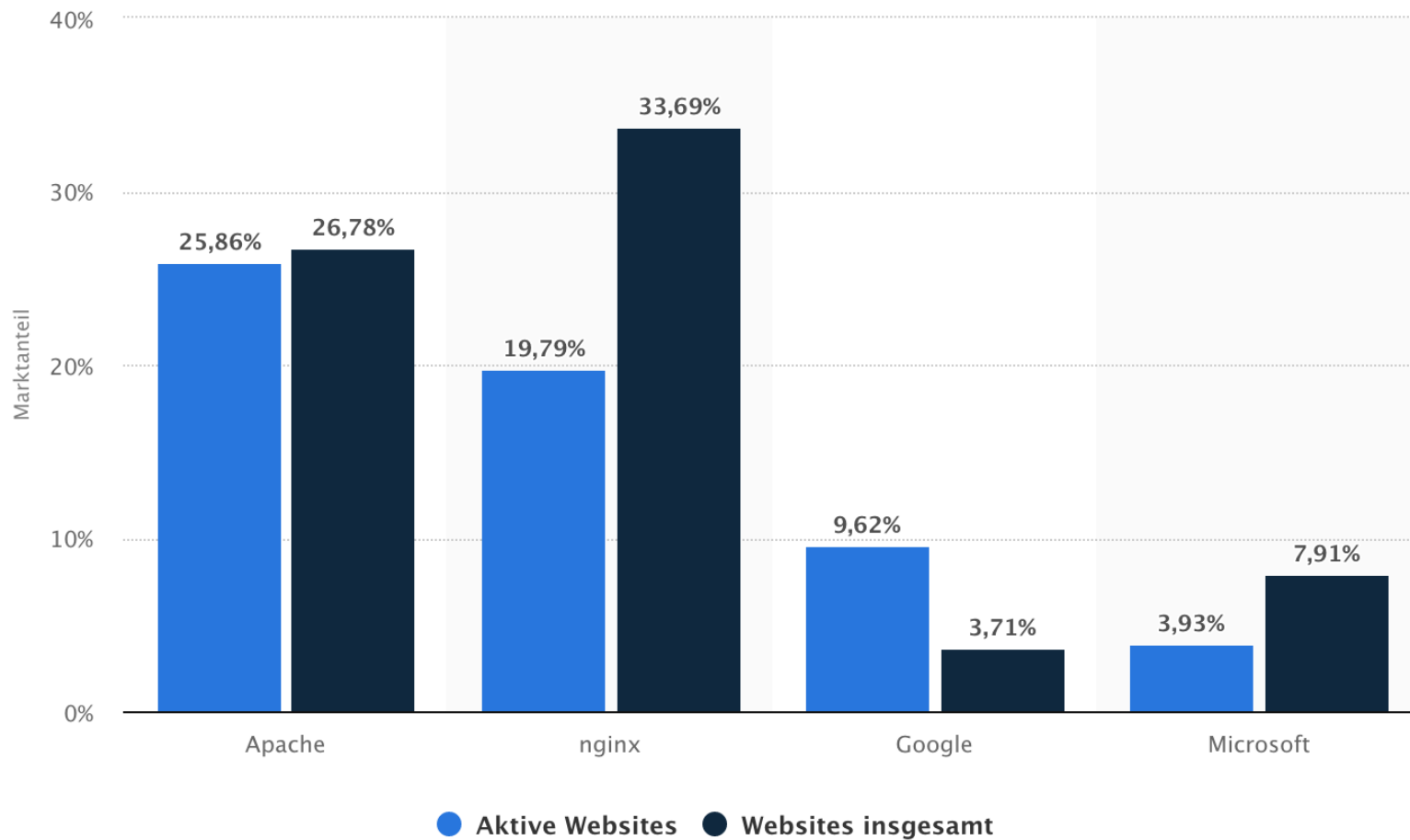
Web server developers: Market share of the top million busiest sites



Developer	August 2024	Percent	September 2024	Percent	Change
Cloudflare	232,823	23.28%	232,767	23.28%	-0.01
nginx	202,769	20.28%	202,880	20.29%	0.01
Apache	192,880	19.29%	192,821	19.28%	-0.01
Microsoft	44,580	4.46%	44,538	4.45%	-0.00



Marktanteile der führenden Webserver weltweit im November

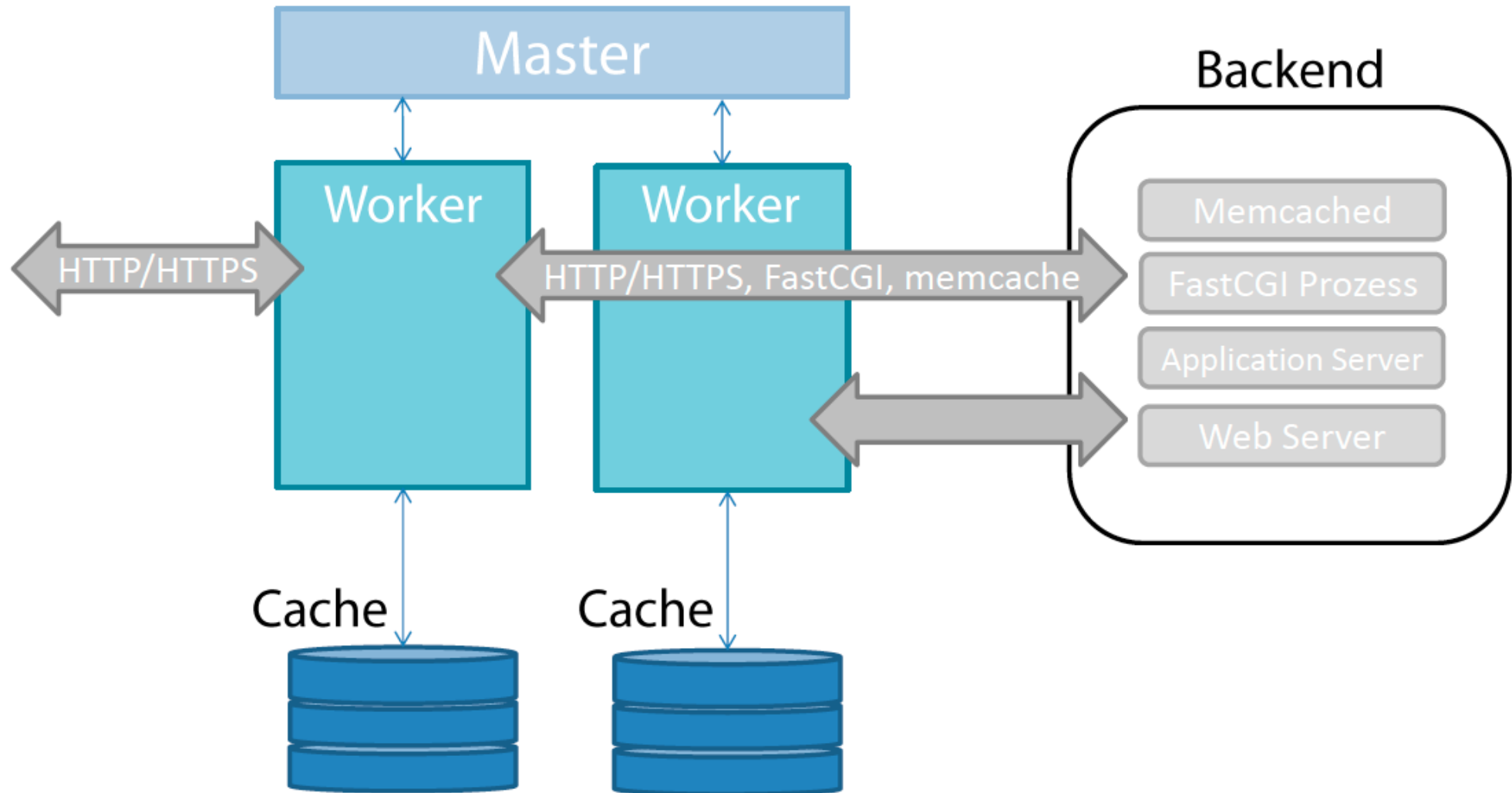


Details: Weltweit

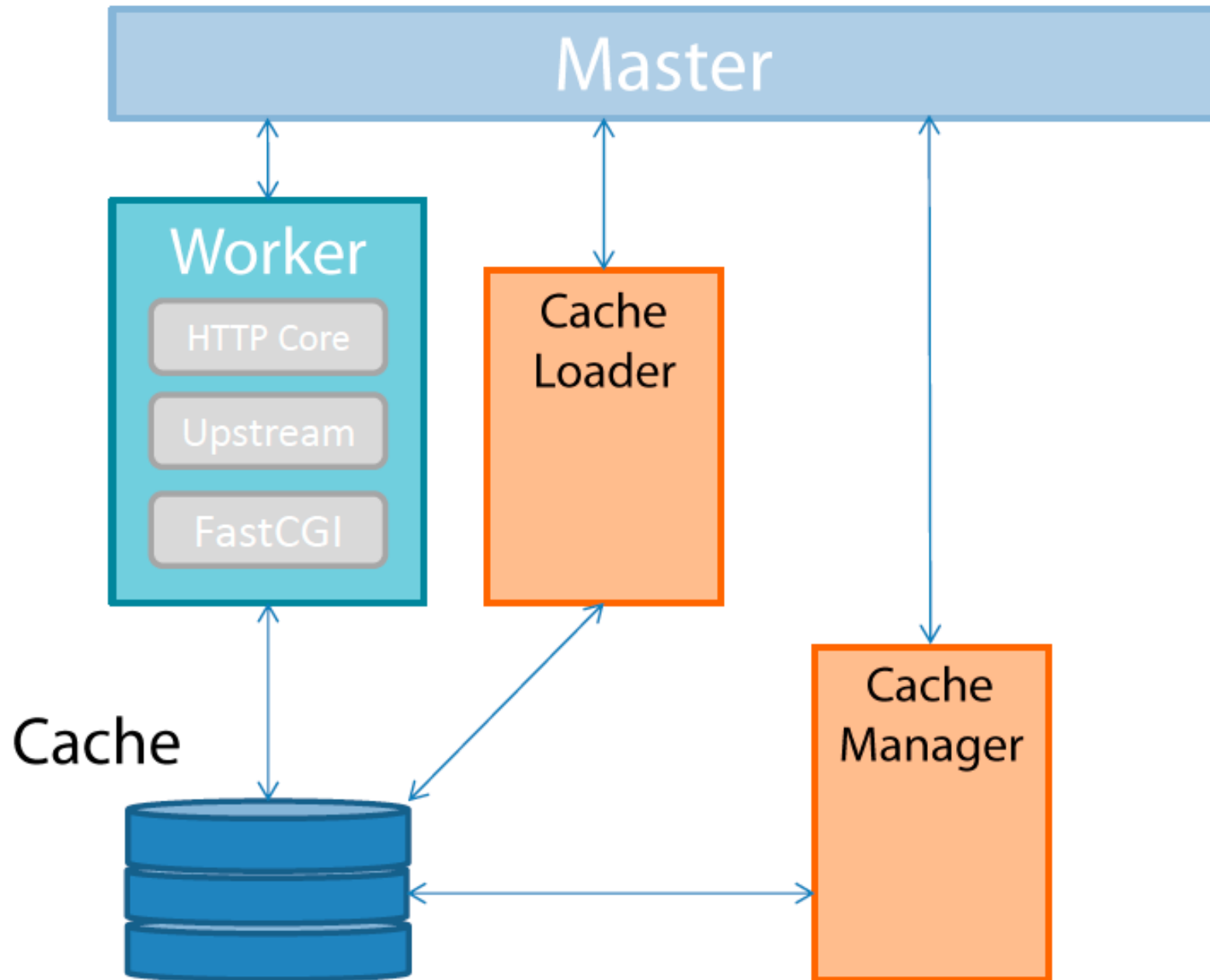
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Nginx Architektur

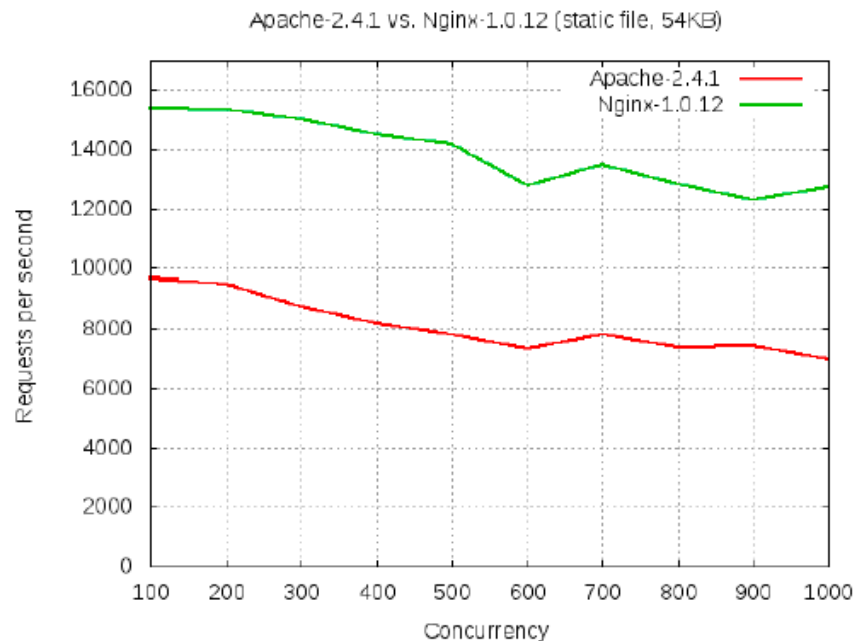


Nginx Architektur Cache

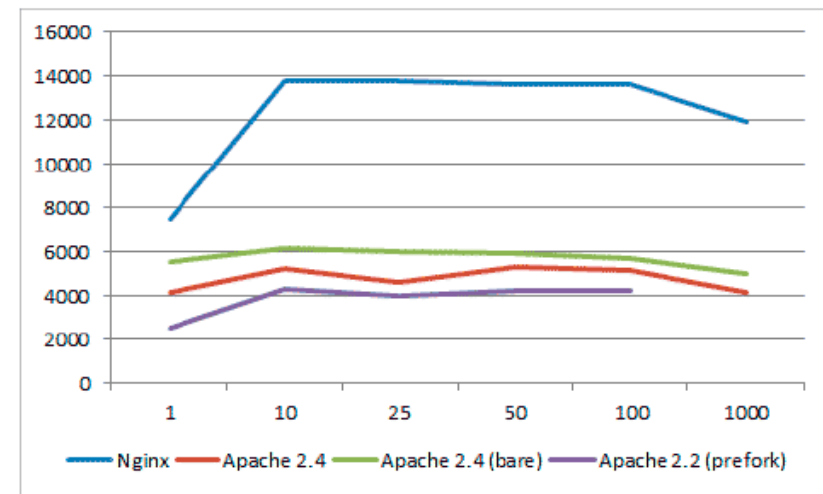


Benchmarks

- Webserver-Benchmarks: schwierig wegen zahlreicher Parameter
- NGINX vorteilhaft bei großer Nutzerzahl und *statischem Inhalt*



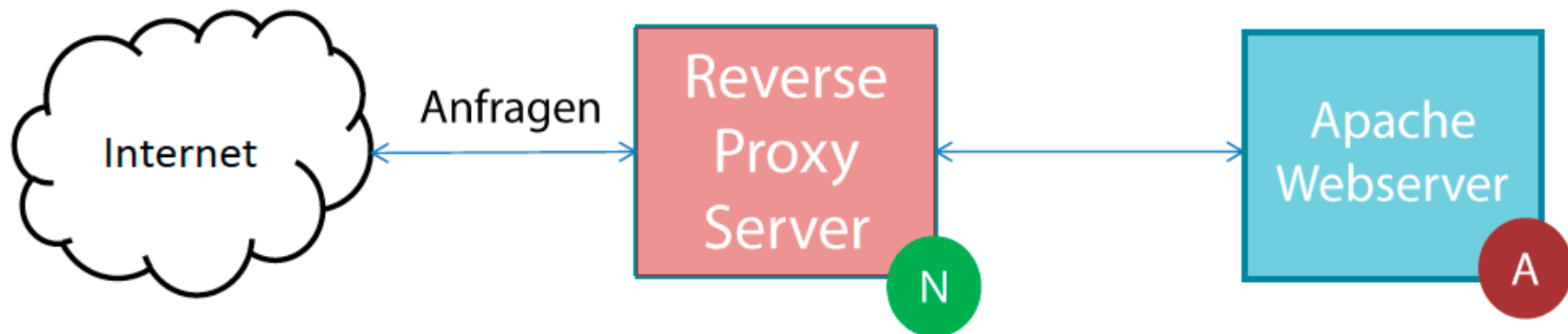
<http://tengine.taobao.org/images/benchmark2.png>



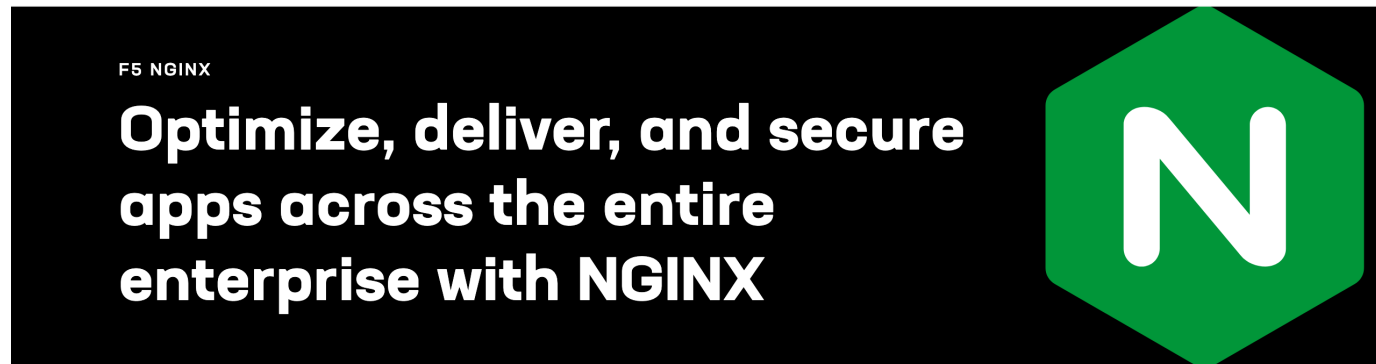
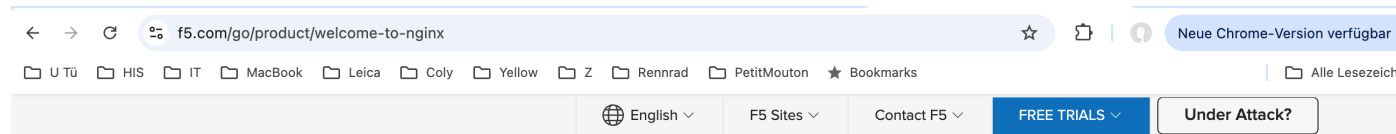
<http://www.eschrade.com/page/performance-of-apache-2-4-with-the-event-mpm-compared-to-nginx/>

Hybrid-Model: Apache und NGINX

- NGINX: schnelle Auslieferung statischer Inhalte
- Apache: dynamische Inhalte, komplexere Anwendungen, Application Server



kommerzielle Version



What is NGINX?

NGINX has evolved from a web server to a comprehensive platform for app delivery, optimization, and security in Kubernetes environments. Now, with the SaaS-based web console NGINX One, enterprises can manage web traffic, load balancing, API gateway capabilities, and security in a single, easy-to-use package.

Products

Use Cases



F5 NGINX One

NGINX One takes the core NGINX



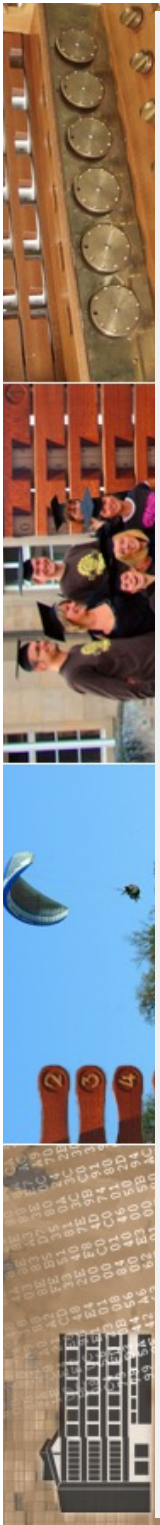
F5 NGINX App Protect

NGINX App Protect is a



F5 NGINXaaS for Azure

NGINXaaS for Azure is an



Enterprise

Data Plane



NGINX Plus



Load
Balancing



API
Gateway



Content
Cache



NGINX App Protect



Web Application
Firewall



Denial of
Service

Control Plane



NGINX Management Suite *Instance Manager*



Instance
Discovery



Configuration
Management



NGINX Ingress Controller



Kubernetes
Ingress



Open Source
Edition Available

Management Plane



NGINX Management Suite *API Connectivity Manager*



Developer
Portal



API Gateway
Management

Free

Data Plane



NGINX Open Source



Web
Server



Reverse
Proxy



NGINX Unit



App
Server



Reverse
Proxy

Control Plane



NGINX Service Mesh



Lightweight
Mesh



Flexible &
Portable

Management Plane



NGINX Amplify



Monitoring

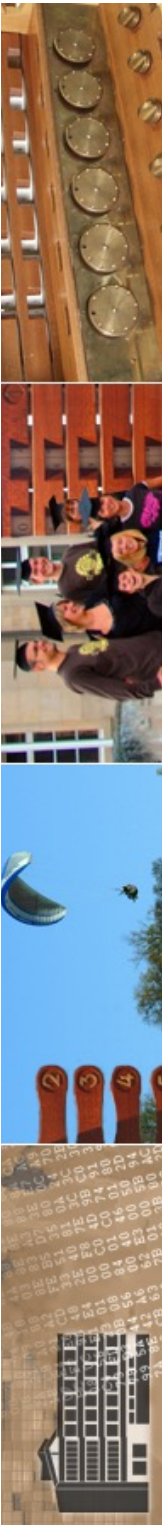


Observability



Analytics





- ## Use cases

- See [examples](#) for more njs use cases.

Caddy



← → ↻ caddyserver.com ☆ | Neue Chrome-Version verfügbar

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GNU nano 7.2 Caddyfile Modified
caddy.dyanim.com

```
file_server
log

# load balance API requests between two backends
```

Help Write Out Where Is Cut
Exit Read File Replace Paste

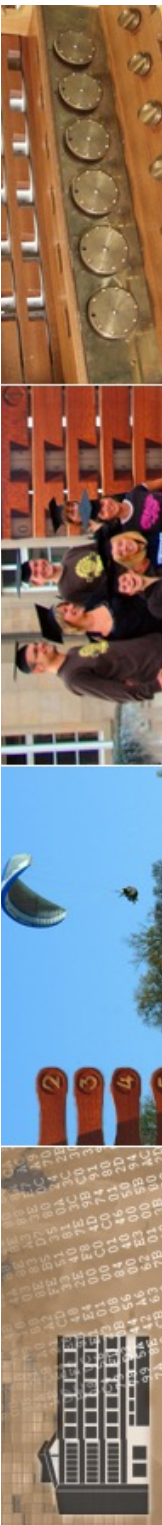
00:13

Watch in real-time as Caddy serves HTTPS in < 1 minute.



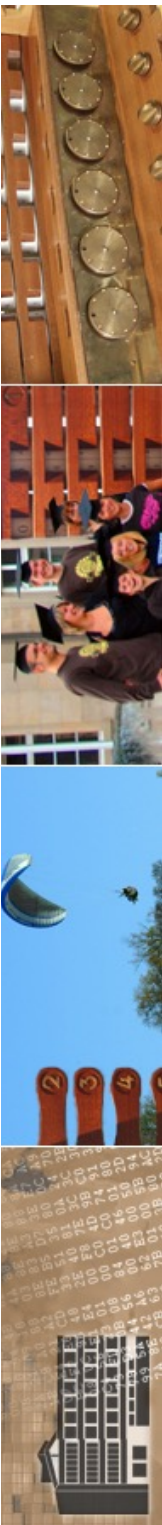
Caddy

- Hauptsächlich für statische Inhalt
 - Kann auch Dynamik mit fastCGI
 - Einfache Nutzbarkeit
 - Automatische SSL Zertifikate mit Let's Encrypt
 - Support von IPV6, HTTP/2
 - Performance für meiste Seiten ähnlich zu Nginx



Caddy

- Installation maximal einfach
 - Download
 - Entpacken
 - ./caddy ausführen
 - Aufrufen der Seiten über localhost:2015
- Erweiterungen aktuell in Entwicklung





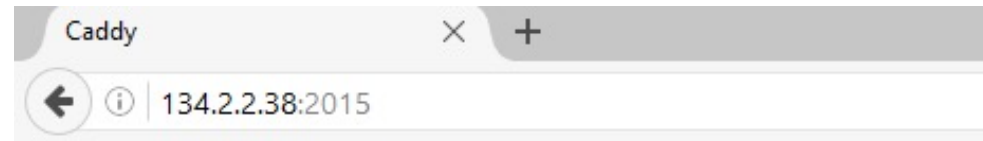
Caddy

```

134.2.2.38 - PuTTY
zrskk01@infodienste:~/caddy$ ll
insgesamt 29888
-rwxr-xr-x 1 zrskk01 benutzer 15241963 Okt 20 03:28 caddy
-rw-r--r-- 1 zrskk01 benutzer 15306752 Nov 16 22:59 caddy_linux_amd64_custom.tar
-rw-r--r-- 1 zrskk01 benutzer 13218 Sep 28 21:07 CHANGES.txt
-rw-r--r-- 1 zrskk01 benutzer 6 Nov 16 23:04 index.html
drwxr-xr-x 6 zrskk01 benutzer 97 Sep 28 21:07 init
-rw-r--r-- 1 zrskk01 benutzer 25261 Sep 28 21:07 LICENSES.txt
-rw-r--r-- 1 zrskk01 benutzer 994 Sep 28 21:07 README.txt
zrskk01@infodienste:~/caddy$ ./caddy
Activating privacy features... done.
http://:2015

```





Hello Caddy



134.2.2.38 - PuTTY

```

!doctype html>
<html>
<head>
<meta charset="ut-8">
<title>Caddy</title>
</head>

<body>
<p>Hello Caddy</p>

</body>
</html>

```

"index.html" 12L, 161C

1,1

Alles

The Caddyfile

This page describes how to configure Caddy using the Caddyfile.

Introduction

The term "Caddyfile" describes a text file that changes how Caddy works. It's similar in purpose to `httpd.conf` or `nginx.conf`. The Caddyfile file can be named anything, but by default, Caddy will look for a file called `Caddyfile` in the current directory. You can specify another location for the Caddyfile using the `-conf` [flag](#):

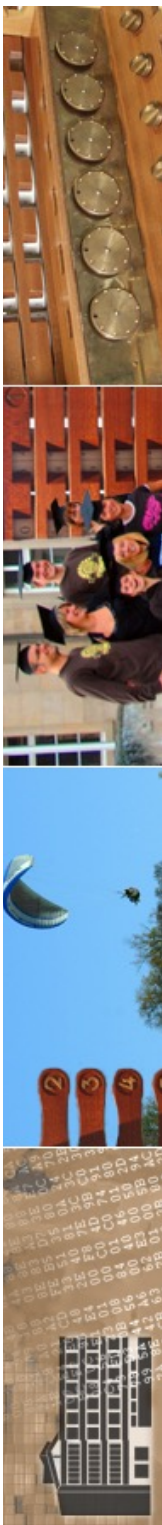
```
$ caddy -conf="/path/to/Caddyfile"
```

If your Caddyfile is within the root of your site, don't worry. Caddy will respond with "404 Not Found" to keep it hidden for you.

Syntax

The Caddyfile always starts with the address of the site to serve:

```
localhost:2020
```



Addresses

Addresses are specified in the form `scheme://host:port/path`, where all but one are optional. The host portion is usually localhost or the domain name. The default port is 2015 (unless the site qualifies for [automatic HTTPS](#), in which case it's 443). The scheme portion is another way to specify a port. Valid schemes are "http" or "https" which represent, respectively, ports 80 and 443. If both a scheme and port are specified, the port will override the scheme. For example:

```
:2015           # Host: (any), Port: 2015
localhost       # Host: localhost, Port: 2015
localhost:8080  # Host: localhost, Port: 8080
example.com     # Host: example.com, Port: 443
http://example.com # Host: example.com, Port: 80
https://example.com # Host: example.com, Port: 443
http://example.com:1234 # Host: example.com, Port: 1234
https://example.com:80 # Error! HTTPS on port 80
*.example.com   # Hosts: *.example.com, Port: 443
example.com/foo/ # Host: example.com, Port: 443, Path: /foo/
/foo/          # Host: (any), Port: 2015, Path: /foo/
```




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Major Features:

Namespace containers

Cgroup resource limits

Advanced anti-DDoS

Firewall controller

Improved HTTP2/HTTP3 engine

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The FASTEST WordPress Stack

...und nun...

- haben wir zwei aktuelle, sehr performante Web-Server kennen gelernt: nginx und Caddy
- als nächstes: fastCGI und ServerSideIncludes

