



Nginx Sample Configurations

```
# Nginx Server Configuration File
# https://nginx.org/en/docs/

# Run as a unique, less privileged user for security reasons.
# Default: nobody nobody
# https://nginx.org/en/docs/nginx_core_module.html#user
# https://en.wikipedia.org/wiki/Principle_of_least_privilege
user www-data;

# Sets the worker threads to the number of CPU cores available in the system
# for best performance. Should be > the number of CPU cores.
# Maximum number of connections = worker_processes * worker_connections
# Default: 1
# https://nginx.org/en/docs/nginx_core_module.html#worker_processes
worker_processes auto;

# Maximum number of open files per worker process.
# Should be > worker_connections.
# Default: no limit
# https://nginx.org/en/docs/nginx_core_module.html#worker_rlimit_nofile
worker_rlimit_nofile 8192;

# Provides the configuration file context in which the directives that affect
# connection processing are specified.
# https://nginx.org/en/docs/nginx_core_module.html#events
events {
    # If you need more connections than this, you start optimizing your OS.
    # Should be < worker_rlimit_nofile.
    # Default: 512
    # https://nginx.org/en/docs/nginx_core_module.html#worker_connections
    worker_connections 8000;
}
```

```
# Log errors and warnings to this file
# This is only used when you don't override it on a `server` level
# Default: logs/error.log error
# https://nginx.org/en/docs/nginx_core_module.html#error_log
error_log /var/log/nginx/error.log warn;

# The file storing the process ID of the main process
# Default: logs/nginx.pid
# https://nginx.org/en/docs/nginx_core_module.html#pid
pid /var/run/nginx.pid;

http {

    # Hide Nginx version information.
    # https://nginx.org/en/docs/http/nginx_http_core_module.html#server_tokens
    server_tokens off;

    # Specify media (MIME) types for files.
    # https://www.iana.org/assignments/media-types/media-types.xhtml
    # https://nginx.org/en/docs/http/nginx_http_core_module.html#types

    include mime.types;

    # Sets default media type to octet-stream
    # Unless we override it later
    # https://nginx.org/en/docs/http/nginx_http_core_module.html#default_type
    # Default: text/plain
    default_type application/octet-stream;

    # Serve all resources labeled as `text/html`
    # or `text/plain` with the media type
    # `charset` parameter set to `UTF-8`.
    # https://nginx.org/en/docs/http/nginx_http_charset_module.html#charset
    charset utf-8;

    # Update charset_types to match updated mime.types.
    # `text/html` is always included by charset module.
    # Default: text/html text/xml text/plain
```

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# text/vnd.wap.wml application/javascript
# application/rss+xml
# https://nginx.org/en/docs/http/nginx_http_charset_module.html#charset_types
charset_types
    text/css
    text/plain
    text/vnd.wap.wml
    text/javascript
    text/markdown
    text/calendar
    text/x-component
    text/vcard
    text/cache-manifest
    text/vtt
    application/json
    application/manifest+json;

# Include $http_x_forwarded_for within default format used in log files
# https://nginx.org/en/docs/http/nginx_http_log_module.html#log_format
log_format main '$remote_addr - $remote_user [$time_local] "$request" '
    '$status $body_bytes_sent "$http_referer" '
    '"$http_user_agent" "$http_x_forwarded_for"';

'$remote_addr - $remote_user [$time_local] "$request" '# Log access to
# This is only used when you don't override it on a `server` level
# Default: logs/access.log combined
# https://nginx.org/en/docs/http/nginx_http_log_module.html#access_log
access_log /var/log/nginx/access.log main;

# How long to allow each connection to stay idle.
# Longer values are better for each individual client, particularly for
# but means that worker connections are tied up longer.
# Default: 75s
# https://nginx.org/en/docs/http/nginx_http_core_module.html#keepalive_timeout
keepalive_timeout 20s;

# Speed up file transfers by using `sendfile()` to copy directly between
# descriptors rather than using `read()`/`write()``.

```

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# For performance reasons, on FreeBSD systems w/ ZFS this option should
# disabled as ZFS's ARC caches frequently used files in RAM by default.
# Default: off
# https://nginx.org/en/docs/http/nginx_http_core_module.html#sendfile
sendfile on;

# Don't send out partial frames; this increases throughput since TCP frames
# are filled up before being sent out.
# Default: off
# https://nginx.org/en/docs/http/nginx_http_core_module.html#tcp_nopush
tcp_nopush on;

# Enable gzip compression.
# https://nginx.org/en/docs/http/nginx_http_gzip_module.html

# Enable gzip compression.
# Default: off
gzip on;

# Compression level (1-9).
# 5 is a perfect compromise between size and CPU usage, offering about 70%
# reduction for most ASCII files (almost identical to level 9).
# Default: 1
gzip_comp_level 5;

# Don't compress anything that's already small and unlikely to shrink much
# all (the default is 20 bytes, which is bad as that usually leads to larger
# files after gzipping).
# Default: 20
gzip_min_length 256;

# Compress data even for clients that are connecting to us via proxies,
# identified by the "Via" header (required for CloudFront).
# Default: off
gzip_proxied any;

# Tell proxies to cache both the gzipped and regular version of a resource
# whenever the client's Accept-Encoding capabilities header varies;
```

```
# Avoids the issue where a non-gzip capable client (which is extremely rare
# today) would display gibberish if their proxy gave them the gzipped version.
# Default: off
gzip_vary on;
```

```
# Compress all output labeled with one of the following MIME-types.
# `text/html` is always compressed by gzip module.
# Default: text/html
```

gzip_types

```
application/atom+xml
application/geo+json
application/javascript
application/x-javascript
application/json
application/ld+json
application/manifest+json
application/rdf+xml
application/rss+xml
application/vnd.ms-fontobject
application/wasm
application/x-web-app-manifest+json
application/xhtml+xml
application/xml
font/eot
font/otf
font/ttf
image/bmp
image/svg+xml
text/cache-manifest
text/calendar
text/css
text/javascript
text/markdown
text/plain
text/xml
text/vcard
text/vnd.rim.location.xloc
text/vtt
```

```

text/x-component
text/x-cross-domain-policy;

# Specify file cache expiration.
include h5bp/web_performance/cache_expiration.conf;

# Add X-XSS-Protection for HTML documents. # (1) (2)
~*text/html "1; mode=block"; "1; mode=block" # (1) (2)
~*text/html "1; mode=block";
}

# Add X-Frame-Options for HTML documents.
map $sent_http_content_type $x_frame_options {
~*text/html DENY;
}

# Add Content-Security-Policy for HTML documents. content-security-policy
}

# Add Referrer-Policy for HTML documents.conf
map $sent_http_content "default-src 'self'; base-uri 'none'; form-action
map $sent_http_content_type $x_ua_compatible {
~*text/html "IE=edge";
}

# Add Access-Control-Allow-Origin "IE=edge" # Add X-UA-Compatible for HTML

# Web fonts
~*font/ "*" ;
~*application/vnd.ms-"*" # Add Access-Control-Allow-Origin.ont-ttf
~*application/font-"*" # Images "*" ;
~*application"*" # Web fonts "*" ;
~*application/font-woff2 "*" ;
}

# Include files in the conf.d folder.
# `server` configuration files should be placed in the conf.d folder.
# The configurations should be disabled by prefixing files with a dot.

```

```
include conf.d/*"# Include files in the conf.d folder.  
# `server` configuration files should be placed in the conf.d folder.  
# The configurations should be disabled by prefixing files with a dot.  
include conf.d/*.conf;  
}
```