

An aerial photograph of a modern architectural complex. The central feature is a large, curved, metallic structure that resembles a giant's foot or a series of stacked, curved plates. This structure is surrounded by other buildings and green spaces. The image is used as a background for the text.

Die .htaccess richtig nutzen

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Innere Werte

```
# Apache
```

```
AddDefaultCharset utf-8
```

```
AddCharset utf-8 .atom .css .js .json .rss .vtt .xml
```

```
Options +FollowSymLinks
```

Innere Werte

PHP

php_flag short_open_tag on

php_flag magic_quotes_gpc off

php_flag register_globals off

php_value upload_max_filesize 10M

Eigene Fehlermeldungen

ErrorDocument 403 /403.html

Eigene Fehlermeldungen

.htaccess

```
ErrorDocument 403 /wp-content/themes/child-theme/403.php
```

403.php

```
<?php  
require_once __DIR__ . '/../../wp-load.php';  
get_header();  
?>
```

```
<h1>Zutritt für Unbefugte verboten!</h1>
```

```
<?php get_footer(); ?>
```


SEO



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<https://secure.flickr.com/photos/glynlowe/9421200273>

Einstellungen > Permalinks

Als Vorgabe nutzt WordPress Web URLs, die Fragezeichen und viele Zahlen enthalten; abgesehen davon bietet WordPress Dir die Möglichkeit, eine benutzerdefinierte URL-Struktur anzulegen. Dies kann die Anmutung, Benutzerfreundlichkeit und Vorwärtskompatibilität Deiner Links verbessern. [von Tags](#) zur Verfügung und hier sind für den Anfang einige Beispiele aufgeführt.

Gebräuchliche Einstellungen

- | | |
|---|---|
| ☐ Standard | <code>http://suchblog.info/?p=123</code> |
| ☐ Tag und Name | <code>http://suchblog.info/2014/06/08/Beispielbeitrag/</code> |
| ☐ Monat und Name | <code>http://suchblog.info/2014/06/Beispielbeitrag/</code> |
| ☐ Numerisch | <code>http://suchblog.info/Archive/123</code> |
| ☒ Beitragsname | <code>http://suchblog.info/Beispielbeitrag/</code> |
| ☐ Benutzerdefinierte Struktur | <code>http://suchblog.info</code> <input type="text" value="/%postname%/"/> |

Optional

Wenn du magst, kannst du hier benutzerdefinierte Permalinkstrukturen für deine Kategorien und Tags URLs anlegen. Zum Beispiel `topics` könnte bspw. so aussehen `http://example.org/topics/uncategorized/`. Falls du das leer lässt, werden die Standardwerte verwendet.

Kategorie-Basis


```
# BEGIN WordPress
<IfModule mod_rewrite.c>
RewriteEngine On
RewriteBase /
RewriteRule ^index\.php$ - [L]
RewriteCond %{REQUEST_FILENAME} !-f
RewriteCond %{REQUEST_FILENAME} !-d
RewriteRule . /index.php [L]
</IfModule>

# END WordPress
```

WWW

```
# www.70858.net → 70858.net
```

```
<IfModule mod_rewrite.c>
```

```
RewriteCond %{HTTPS} !=on
```

```
RewriteCond %{HTTP_HOST} ^www\.(.+)$ [NC]
```

```
RewriteRule ^ http://%1%{REQUEST_URI} [R=301,L]
```

```
</IfModule>
```

```
# 70858.net → www.70858.net
```

```
<IfModule mod_rewrite.c>
```

```
RewriteCond %{HTTPS} !=on
```

```
RewriteCond %{HTTP_HOST} !^www\. [NC]
```

```
RewriteCond %{SERVER_ADDR} !=127.0.0.1
```

```
RewriteCond %{SERVER_ADDR} !=::1
```

```
RewriteRule ^ http://www.%{HTTP_HOST}%{REQUEST_URI} [R=301,L]
```

```
</IfModule>
```

Relaunch

```
<IfModule mod_rewrite.c>
```

```
RewriteEngine On
```

```
RewriteBase /
```

```
RewriteRule ^karriere/?$ /jobs/ [R=301,L]
```

```
RewriteRule ^karriere/(.*)$ /jobs/$1 [R=301,L]
```

```
RewriteRule ^(pages|posts)/(.*)$ /$2 [R=301,L]
```

```
</IfModule>
```

Redirects mit URL-Parameter

```
<IfModule mod_rewrite.c>
```

```
RewriteEngine On
```

```
# /?page=hallo-welt → /hallo-welt/ (externe Weiterleitung)
```

```
RewriteCond %{QUERY_STRING} page=(.*)
```

```
RewriteRule ^ /%1/? [R=301,L]
```

```
# /?q=post → /?s=post (interne Weiterleitung)
```

```
RewriteCond %{QUERY_STRING} q=(.*)
```

```
RewriteRule ^ /index.php?s=%1 [L]
```

```
</IfModule>
```


Performance



Kompression

```
<IfModule mod_deflate.c>
```

```
AddOutputFilterByType DEFLATE application/atom+xml \
                                application/javascript \
                                application/json \
                                application/ld+json \
                                application/rss+xml \
                                application/vnd.ms-fontobject \
                                application/x-font-ttf \
                                application/x-web-app-manifest+json \
                                application/xhtml+xml \
                                application/xml \
                                font/opentype \
                                image/svg+xml \
                                image/x-icon \
                                text/css \
                                text/html \
                                text/plain \
                                text/vtt \
                                text/x-component \
                                text/xml
```

```
</IfModule>
```

Browser Cache

```
<IfModule mod_expires.c>
```

```
ExpiresActive on
```

```
ExpiresDefault "access plus 1 week"
```

```
ExpiresByType application/atom+xml "access plus 1 hour"
```

```
ExpiresByType application/rss+xml "access plus 1 hour"
```

```
ExpiresByType text/html "access plus 0 seconds"
```

```
ExpiresByType application/json "access plus 0 seconds"
```

```
ExpiresByType application/ld+json "access plus 0 seconds"
```

```
ExpiresByType application/xml "access plus 0 seconds"
```

```
ExpiresByType text/xml "access plus 0 seconds"
```

```
ExpiresByType text/cache-manifest "access plus 0 seconds"
```

```
ExpiresByType application/x-web-app-manifest+json \
"access plus 0 seconds"
```

```
</IfModule>
```

ETag

```
<IfModule mod_expires.c>  
  <IfModule mod_headers.c>  
    Header unset ETag  
  </IfModule>  
  FileETag None  
</IfModule>
```

TCP/IP-Verbindung

```
<IfModule mod_headers.c>
```

```
    Header set Connection Keep-Alive
```

```
</IfModule>
```


Sicherheit



Fehlermeldungen

`php_flag display_errors off`

`php_flag log_errors on`

`php_value error_reporting "E_ALL & ~E_NOTICE & ~E_STRICT & ~E_DEPRECATED"`

Inhaltsverzeichnisse abschalten

```
<IfModule mod_autoindex.c>  
    Options -Indexes  
</IfModule>
```

Versteckte Dateien schützen

```
<IfModule mod_rewrite.c>  
    RewriteCond %{SCRIPT_FILENAME} -d [OR]  
    RewriteCond %{SCRIPT_FILENAME} -f  
    RewriteRule "(^|/)\." - [F]  
</IfModule>
```

Potentielle sensitive Dateien schützen

```
<FilesMatch "(^#.*#|\.(bak|conf|dist|in[ci]|log|orig|sh|
sql|sw[op])|~)$">
    # Apache < 2.3
    <IfModule !mod_authz_core.c>
        Order allow,deny
        Deny from all
        Satisfy All
    </IfModule>

    # Apache ≥ 2.3
    <IfModule mod_authz_core.c>
        Require all denied
    </IfModule>
</FilesMatch>
```

wp-config.php blockieren

```
<Files wp-config.php>
  # Apache < 2.3
  <IfModule !mod_authz_core.c>
    Order Deny,Allow
    Deny from All
    Satisfy All
  </IfModule>

  # Apache ≥ 2.3
  <IfModule mod_authz_core.c>
    Require all denied
  </IfModule>
</Files>
```


wp-config.php blockieren

```
<Files wp-config.php>
  # Apache < 2.3
  <IfModule !mod_authz_core.c>
    Order Deny,Allow
    Deny from All
    Satisfy All
  </IfModule>

  # Apache ≥ 2.3
  <IfModule mod_authz_core.c>
    Require all denied
  </IfModule>
</Files>
```

Besser ist die Datei zu verschieben

/var/www/htdocs/wp-config.php → /var/www/wp-config.php

Uploads nicht ausführen

```
<IfModule mod_rewrite.c>
```

```
RewriteEngine On
```

```
RewriteBase /
```

```
RewriteRule ^(wp-content/uploads/.\.php)$ $1 [H=text/plain]
```

```
</IfModule>
```

Anti-Spam

```
<IfModule mod_rewrite.c>
RewriteEngine On
RewriteCond %{REQUEST_METHOD} POST
RewriteCond %{REQUEST_URI} (wp-comments-post|wp-login)\.php
RewriteCond %{HTTP_REFERER} !^https?://70858\.net [OR]
RewriteCond %{HTTP_USER_AGENT} ^$
RewriteRule (.*?) http://%{REMOTE_ADDR}/$1 [R=301,L]
</IfModule>
```

Extra Passwortschutz für Login

```
<Files wp-login.php>
```

```
AuthName "Geschlossener Bereich"
```

```
AuthUserFile /var/www/htdocs/.htpasswd
```

```
AuthType Basic
```

```
Require valid-user
```

```
</Files>
```

Login über IP-Adresse schützen

```
<Files wp-login.php>
# Apache < 2.3
<IfModule !mod_authz_core.c>
    Order Deny,Allow
    Deny from All
    Allow from 66.155.40.249
    Allow from 77.87
    Allow from 127.0
    Allow from ::1
</IfModule>

# Apache ≥ 2.3
<IfModule mod_authz_core.c>
    Require ip 66.155.40.249
    Require ip 77.87
    Require local
</IfModule>
</Files>
```

HTTP Headers

Header set X-Frame-Options SAMEORIGIN

Header set X-Content-Type-Options nosniff

Header set X-XSS-Protection "1; mode=block"

Header set Content-Security-Policy "default-src 'self';
img-src 'self' http: https: *.gravatar.com;"

CSP für wp-admin

wp-admin/.htaccess

```
<IfModule mod_headers.c>
```

```
Header set Content-Security-Policy "default-src 'self';  
img-src 'self' data: http: https: *.gravatar.com; script-  
src 'self' 'unsafe-inline' 'unsafe-eval'; style-src 'self'  
'unsafe-inline' http: https: fonts.googleapis.com; font-src  
'self' data: http: https: fonts.googleapis.com  
themes.googleusercontent.com;"
```

```
</IfModule>
```



Stairway to Heaven?

HTTPS erzwingen

```
<IfModule mod_headers.c>
```

```
Header set Content-Security-Policy "default-src https:;"
```

```
Header set Strict-Transport-Security: max-age=31536000;
```

```
</IfModule>
```

```
php_flag session.cookie_secure on
```

MP4 auf iOS mit Multisite WP 3.0-3.4

.htaccess

```
RewriteRule ^([_0-9a-zA-Z-]+)/?files/(.+) \
    wp-includes/ms-files.php?file=$2 [L]
```

```
<IfModule mod_xsendfile.c>
```

```
  <FilesMatch "^([_0-9a-zA-Z-]+)/?files/">
```

```
    XSendFile on
```

```
    # mod_xsendfile >= 0.10
```

```
    XsendFilePath /var/www/htdocs/wp-content/blogs.dir
```

```
  </FilesMatch>
```

```
</IfModule>
```

wp-config.php

```
define('WPMU_SENDFILE', true);
```

mod_pagespeed

```
<IfModule pagespeed_module>  
  ModPagespeed on  
  ModPagespeedDisableFilters collapse_whitespace  
</IfModule>
```

<https://developers.google.com/speed/pagespeed/module>
http://kau-boys.de/1925/wordpress/meine-session-beim-wp-camp-berlin-2013-performance-optimierung-mit-mod_pagespeed
http://www.wp mayor.com/can-mod_pagespeed-improve-page-load-speed/

.htaccess abschalten

```
<VirtualHost *:80>  
  ServerName 70858.net  
  DocumentRoot /var/www/htdocs  
  
  <Directory /var/www/htdocs>  
    AllowOverride None  
  
    # Hier die .htaccess-Regeln ablegen  
  </Directory>  
</VirtualHost>
```

Mehr Infos

Apache Dokumentation

<https://httpd.apache.org/docs/2.2/de/>

<https://httpd.apache.org/docs/2.4/upgrading.html#run-time>

WordPress Codex

<https://codex.wordpress.org/htaccess>

HTML5 Boiler Plate

<https://github.com/h5bp/server-configs-apache>

Ask Apache

<http://www.askapache.com/htaccess/htaccess.html>

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