

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

```
RewriteEngine On
```

```
# Begin - Force use of SSL for pages
```

```
#First rewrite any request to the wrong domain to use the correct one (here www.)
```

```
RewriteCond %{HTTP_HOST} !^www\.
```

```
RewriteRule ^(.*)$ https://www.%{HTTP_HOST}%{REQUEST_URI} [L,R=301]
```

```
#Now, rewrite to HTTPS:
```

```
RewriteCond %{HTTPS} off
```

```
RewriteRule ^(.*)$ https://%{HTTP_HOST}%{REQUEST_URI} [L,R=301]
```

```
# End - use SSL for pages and images
```

```
#Redirect from old WP format to new Grav format
```

```
RewriteRule ^\d{4}/\d{2}/\d{2}/(.*)$ /blog/$1 [R=301,L]
```

```
## Begin RewriteBase
```

```
# If you are getting 404 errors on subpages, you may have to uncomment the RewriteBase entry
```

```
# You should change the '/' to your appropriate subfolder. For example if you have your Grav install at the root of your site '/' should work, else it might be something along the lines of: RewriteBase /<your_sub_folder>
```

```
##
```

```
# RewriteBase /
```

```
## End - RewriteBase
```

```
## Begin - Exploits
```

```
# If you experience problems on your site block out the operations listed below
```

```
# This attempts to block the most common type of exploit `attempts` to Grav
```

```
#
```

```
# Block out any script trying to base64_encode data within the URL.
```

```
RewriteCond %{QUERY_STRING} base64_encode[^(]*\([^(]*\)
```

```
# Block out any script that includes a <script> tag in URL.
```

```
RewriteCond %{QUERY_STRING} (<| %3C)([^\s]*s)+cript.*( >| %3E) [NC,OR]
```

```
# Block out any script trying to get a PHP shell via the URL
```

```

# block out any script trying to set a PHP GLOBALS variable via URL.
RewriteCond %{QUERY_STRING} GLOBALS(=| \[| \)| \[0-9A-Z]{0,2}) [OR]
# Block out any script trying to modify a _REQUEST variable via URL.
RewriteCond %{QUERY_STRING} _REQUEST(=| \[| \)| \[0-9A-Z]{0,2})
# Return 403 Forbidden header and show the content of the root homepage
RewriteRule .* index.php [F]
#
## End - Exploits

## Begin - Index
# If the requested path and file is not /index.php and the request
# has not already been internally rewritten to the index.php script
RewriteCond %{REQUEST_URI} !^/index\.php
# and the requested path and file doesn't directly match a physical file
RewriteCond %{REQUEST_FILENAME} !-f
# and the requested path and file doesn't directly match a physical folder
RewriteCond %{REQUEST_FILENAME} !-d
# internally rewrite the request to the index.php script
RewriteRule .* index.php [L]
## End - Index

## Begin - Security
# Block all direct access for these folders
RewriteRule ^(, git| cache| bin| logs| backup)/(.*) error [F]
# Block access to specific file types for these system folders
RewriteRule ^(system| vendor)/(.*)\.(txt| xml| md| html| yaml| phpl| pl| py| cgi| twig| sh| bat)$ error
[F]
# Block access to specific file types for these user folders
RewriteRule ^(user)/(.*)\.(txt| md| yaml| phpl| pl| py| cgi| twig| sh| bat)$ error [F]
# Block all direct access to .md files:
RewriteRule \.md$ error [F]
# Block all direct access to files and folders beginning with a dot
RewriteRule (^\.|/\.|) - [F]
# Block access to specific files in the root folder
RewriteRule
^(LICENSE.txt| composer.lock| composer.json| nginx.conf| web.config| htaccess.txt| \.htaccess)$
error [F]
## End - Security

# Begin - Prevent Browsing and Set Default Resources
Options -Indexes

```

```
DirectoryIndex index.php index.html index.htm
# End - Prevent Browsing and Set Default Resources

# Begin - Force use of SSL for pages
RewriteEngine On
RewriteCond %{HTTPS} !=on
RewriteRule ^ https://%{HTTP_HOST}%{REQUEST_URI} [L,R=301]

RewriteEngine On
RewriteCond %{HTTPS} !=on
RewriteRule ^(.*)$ https://%{HTTP_HOST}%{REQUEST_URI} [L,R=301]
# End - use SSL for pages and images

</IfModule>
```