

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

```
RewriteEngine On
```

```
## Begin RewriteBase
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```
# If you are getting 500 or 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 - X-Forwarded-Proto
```

```
# In some hosted or load balanced environments, SSL negotiation happens upstream.  
# In order for Grav to recognize the connection as secure, you need to uncomment  
# the following lines.
```

```
#
```

```
# RewriteCond %{HTTP:X-Forwarded-Proto} https
```

```
# RewriteRule .* - [E=HTTPS:on]
```

```
#
```

```
## End - X-Forwarded-Proto
```

```
## 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(?:[*^\(]\*\([\^\)]*\)) [OR]
```

```
# 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 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| webserver-configs| tests)/(.*) 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 (^\/)\.(?!well-known) - [F]
# Block access to specific files in the root folder
RewriteRule ^(LICENSE.txt| composer.lock| composer.json| \.htaccess)$ error [F]
## End - Security

</IfModule>

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