site.ini [HTTPHeaderSettings]

The settings of [HTTPHeaderSettings] in site.ini: CustomHeader, OnlyForAnonymous, OnlyForContent, HeaderList, Cache-Control, Pragma, Expires, ClientIpByCustomHTTPHeader ...

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https://doc.exponential.earth/learninminutes/exphelp/viewer/examples/ini-settings/site/HTTPHeaderSettings.md

The block `[HTTPHeaderSettings]` of `settings/site.ini`, with 10 setting(s).

Never edit `settings/site.ini` itself: an update replaces it. Put the settings you change in an override, which wins over the shipped file:

- `settings/override/site.ini.append.php` for every siteaccess,
- `settings/siteaccess/<siteaccess>/site.ini.append.php` for one siteaccess,
- `extension/<extension>/settings/site.ini.append.php` in an extension (read when the extension is active).

CustomHeader

> Enable/disable custom HTTP header data.

Default: `disabled`.

INI

```
<?php /* #?ini charset="utf-8"?
# settings/override/site.ini.append.php
[HTTPHeaderSettings]
CustomHeader=disabled
*/ ?>
```

OnlyForAnonymous

> Only apply custom headers for anonymous users

Default: `disabled`.

INI

```
<?php /* #?ini charset="utf-8"?
# settings/override/site.ini.append.php
[HTTPHeaderSettings]
OnlyForAnonymous=disabled
*/ ?>
```

OnlyForContent

> Only apply the fallback root [/] custom headers for the content/view module
> If disabled, custom headers for the root path will be applied to all modules and their views

Default: `enabled`.

INI

```
<?php /* #?ini charset="utf-8"?
# settings/override/site.ini.append.php
[HTTPHeaderSettings]
OnlyForContent=enabled
*/ ?>
```

HeaderList

> Header list. Contains all HTTP which should override standard ones.

Default: a list of 3: `Cache-Control`, `Pragma`, `Expires`.

INI

```
<?php /* #?ini charset="utf-8"?
# settings/override/site.ini.append.php
[HTTPHeaderSettings]
# an empty "HeaderList[]" first replaces the shipped list; without it the items are added
HeaderList[]
HeaderList[]=Cache-Control
HeaderList[]=Pragma
HeaderList[]=Expires
*/ ?>
```

Cache-Control

> Default Cache-Control header
> HTTP Headers are specified using the following format :
> <HTTP header>[<Exponential path|module{/view}>]=<value>{;<depth>{;<level>}}
> Note: to use a semicolon in the value, you need to escape it with a backslash.
>
> Example :
>
> ### Set Pragma HTTP header to no-cache for whole site, except /news, and 2 levels below news.
>
> Pragma[]
> Pragma[/]=no-cache;2
> Pragma[/news]=;2;0
> Cache-Control values are set directly

Default: a hash of 1: `/=no-cache, must-revalidate`.

INI

```
<?php /* #?ini charset="utf-8"?
# settings/override/site.ini.append.php
[HTTPHeaderSettings]
# an empty "Cache-Control[]" first replaces the shipped list; without it the items are added
Cache-Control[]
Cache-Control[/]=no-cache, must-revalidate
*/ ?>
```

Pragma

> Pragma values are set directly

Default: a hash of 1: `/=no-cache`.

INI

```
<?php /* #?ini charset="utf-8"?
# settings/override/site.ini.append.php
[HTTPHeaderSettings]
# an empty "Pragma[]" first replaces the shipped list; without it the items are added
Pragma[]
Pragma[/]=no-cache
*/ ?>
```

Expires

> Expires specifies time offset compared to current time
> Default expired 2 hours ago (no caching)

Default: a hash of 1: `/=-7200`.

INI

```
<?php /* #?ini charset="utf-8"?
# settings/override/site.ini.append.php
[HTTPHeaderSettings]
# an empty "Expires[]" first replaces the shipped list; without it the items are added
Expires[]
Expires[/]=-7200
*/ ?>
```

ClientIpByCustomHTTPHeader

> Use a custom HTTP header to get the client IP
> false is the default value
> The header is read only for a request from one of the TrustedProxies below,
> and from the right: trusted proxies are skipped and the first other address
> is the client. Entries further left are what the client sent and are ignored.

Default: `false`.

INI

```
<?php /* #?ini charset="utf-8"?
# settings/override/site.ini.append.php
[HTTPHeaderSettings]
ClientIpByCustomHTTPHeader=false
*/ ?>
```

TrustedProxies

> Useful example when client get connected via (reverse-)proxy
> ClientIpByCustomHTTPHeader=X-Forwarded-For
> The reverse proxies and load balancers in front of this site whose forwarded
> headers can be believed: X-Forwarded-For (with ClientIpByCustomHTTPHeader),
> X-Forwarded-Proto, X-Forwarded-Port, X-Forwarded-Server and X-Forwarded-Host.
> They are request headers any visitor can send, so they count only when the
> connection comes from one of these addresses (REMOTE_ADDR). Addresses and
> address/prefix ranges, IPv4 and IPv6, e.g.
> TrustedProxies[]=10.0.0.0/8
> TrustedProxies[]=192.0.2.10
> TrustedProxies[]=2001:db8::/32
> The default trusts a proxy on this machine only. A trusted proxy must set
> these headers itself, not pass on what the visitor sent.
> An override that starts with "TrustedProxies[]" alone replaces the list;
> leave it empty to trust no proxy at all.
> See doc/eng-us/bc/6.0/trusted-proxies.md.

Default: a list of 2: `127.0.0.1`, `::1`.

INI

```
<?php /* #?ini charset="utf-8"?
# settings/override/site.ini.append.php
[HTTPHeaderSettings]
# an empty "TrustedProxies[]" first replaces the shipped list; without it the items are added
TrustedProxies[]
TrustedProxies[]=127.0.0.1
TrustedProxies[]=::1
*/ ?>
```

SecurityHeaders

> Security headers sent with every page, SecurityHeaders[<header>]=<value>.
> Set a value empty in an override to drop that header. HeaderList above
> still overrides these per path.
>
> - frame-ancestors / X-Frame-Options: pages may only be framed by the
>   same site (clickjacking); allow a trusted editor host explicitly, e.g.
>   SecurityHeaders[Content-Security-Policy]=frame-ancestors 'self'
>   https://edit.example.com
> - Strict-Transport-Security is only sent over HTTPS and is off by
>   default: enable it once the whole site is HTTPS-only, e.g.

> SecurityHeaders[Strict-Transport-Security]=max-age=31536000

Default: a hash of 6: `X-Content-Type-Options=nosniff`, `X-Frame-Options=SAMEORIGIN`, `Content-Security-Policy=frame-ancestors 'self'`, `Referrer-Policy=strict-origin-when-cross-origin`, `Permissions-Policy=camera=(), microphone=(), payment=(), usb=()`, `Strict-Transport-Security=`.

INI

```ini
<?php /* #?ini charset="utf-8"?
# settings/override/site.ini.append.php
[HTTPHeaderSettings]
# an empty "SecurityHeaders[]" first replaces the shipped list; without it the items are added
SecurityHeaders[]
SecurityHeaders[X-Content-Type-Options]=nosniff
SecurityHeaders[X-Frame-Options]=SAMEORIGIN
SecurityHeaders[Content-Security-Policy]=frame-ancestors 'self'
SecurityHeaders[Referrer-Policy]=strict-origin-when-cross-origin
SecurityHeaders[Permissions-Policy]=camera=(), microphone=(), payment=(), usb=()
SecurityHeaders[Strict-Transport-Security]=
*/ ?>
```

Related

- All blocks of site.ini
- All INI files
- The settings page

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