

Cache

The Geo Cache system will cache data, and module output, in cache files. Using the cache system will greatly reduce the amount of data that is retrieved from the database, resulting in faster page loads and less strain on the database server.

In the admin panel, it gives the warning: **Warning: Changing settings on this page can have drastic effects if your server is not configured correctly. It is important that you consult the user manual, so that you may fully understand what is happening, before changing any settings on this page.**

The **reason for the strong warning** is so you come to this page to learn a little about what the cache does before attempting to turn it on. Don't let the warning scare you too much though, turning the cache on works fine for the majority of sites, and if anything goes wrong when you turn it on, you can easily reset the cache by deleting the contents of the **_geocache/** directory. You won't lose any data by turning it on.

Important Notes:

- If you make changes in the admin panel, the cache for that specific data should automatically be adjusted. In other words, the cache is automatically updated if making changes in the admin panel. However, if you make a change in the admin panel that does not seem to take effect, try clearing the cache.¹⁾
- The cache is created as it is needed. For instance, a template won't be cached until a page that uses the template is viewed on the client side for the first time.
- The amount of time something is cached for depends on the nature of that thing. For example, the "featured listings" module display is cached for 5 minutes it is always changing, but the "category navigation" modules are cached for a full 30 minutes.
- More controls to fine tune how the cache system works is planned for future release, as is needed to meet demand, but for now you can only turn on or off the cache system. If you are familiar with PHP and are comfortable with editing PHP files, you can try editing the settings file **_geocache/_cacheSettings.php**, but doing so is not supported.
- If you make changes **outside the admin panel**, for instance if you use FTP to upload a change to a template file, you will need to clear the cache or turn the cache off while you are working on changes to the site via FTP.

Section Cache Stats:

This section lists information about the file caching system. If you have it turned on, it will list the number items that have been cached so far.

Cache Controls:

Clear All Cache

Removes all cache items

Clear Output Cache

Removes any cache items that caches the "end product" of what is displayed on the end user's computer.

Clear Data Cache

Removes any cache items that caches things based on raw data that is stored in the database.

Section General Settings:

Turning on the cache system should significantly speed up high-traffic sites, since it eliminates the need to retrieve certain data from the database, instead being able to retrieve the information from the cache files.

Cache System: On or Off:

Turning on activates the cache system.

If you turn the cache system on, but when the page refreshes it goes back to off, you may need to CHMOD 777 the directory `_geoCache/` in order to use the cache system.

More "advanced" settings to control how the cache system work are planned for future releases. At this time, however, the only available setting is to turn the cached system on or off.

Cache Times

The amount of time something is cached for depends on the nature of what is being cached. Below you will find the list of different modules, and how long the "display contents" of each module is cached for.

| Cached Item | Cache Type | Cache Time |
|-----------------------------|------------|------------|
| Site-Wide Settings | data | Forever |
| Addon Settings | data | Forever |
| Module Settings | data | Forever |
| CSS on a page | output | Forever |
| DB Based Template | data | Forever |
| Page Text | data | Forever |
| (!FEATURED_ADS_1!) contents | output | 5 Minutes |

| Cached Item | Cache Type | Cache Time |
|-------------------------------------------------|------------|------------|
| (!FEATURED_ADS_2!) contents | output | 5 Minutes |
| (!FEATURED_ADS_3!) contents | output | 5 Minutes |
| (!FEATURED_ADS_4!) contents | output | 5 Minutes |
| (!FEATURED_ADS_5!) contents | output | 5 Minutes |
| (!DISPLAY_USERNAME!) contents | output | Not Cached |
| (!LOGIN_REGISTER_LINK!) contents | output | Forever |
| (!NEWEST_ADS_1!) contents | output | 5 Minutes |
| (!NEWEST_ADS_2!) contents | output | 5 Minutes |
| (!NEWEST_ADS_LINK!) contents | output | Forever |
| (!FEATURED_PIC_LINK!) contents | output | Forever |
| (!FEATURED_TEXT_LINK!) contents | output | Forever |
| (!LOGGED_IN_OUT_HTML!) contents | output | Forever |
| (!LOGGED_IN_OUT_HTML_2!) contents | output | Forever |
| (!LOGGED_IN_OUT_HTML_3!) contents | output | Forever |
| (!NEWEST_ADS_LINK_1!) contents | output | Forever |
| (!NEWEST_ADS_LINK_2!) contents | output | Forever |
| (!NEWEST_ADS_LINK_3!) contents | output | Forever |
| (!SEARCH_LINK!) contents | output | Forever |
| (!MODULE_FEATURED_PIC_1!) contents | output | 5 Minutes |
| (!MODULE_FEATURED_PIC_2!) contents | output | 5 Minutes |
| (!FILTER_DISPLAY_1!) contents | output | Forever |
| (!CLASSIFIED_NAVIGATION_1!) contents | output | 30 Minutes |
| (!CLASSIFIED_NAVIGATION_2!) contents | output | 30 Minutes |
| (!CLASSIFIED_NAVIGATION_3!) contents | output | 30 Minutes |
| (!CATEGORY_TREE_1!) contents | output | 30 Minutes |
| (!CATEGORY_TREE_2!) contents | output | 30 Minutes |
| (!CATEGORY_TREE_3!) contents | output | 30 Minutes |
| (!MAIN_CLASSIFIED_NAVIGATION_1!) contents | output | 30 Minutes |
| (!FILTER_DISPLAY_2!) contents | output | Forever |
| (!MODULE_FEATURED_PIC_3!) contents | output | 5 Minutes |
| (!MODULE_PHP_INSERT_1!) contents | output | Not Cached |
| (!MODULE_PHP_INSERT_2!) contents | output | Not Cached |
| (!MODULE_PHP_INSERT_3!) contents | output | Not Cached |
| (!MODULE_SEARCH_BOX_1!) contents | output | 30 Minutes |
| (!MODULE_PHP_INSERT_4!) contents | output | Not Cached |
| (!MODULE_PHP_INSERT_5!) contents | output | Not Cached |
| (!MODULE_PHP_INSERT_6!) contents | output | Not Cached |
| (!MAIN_CLASSIFIED_LEVEL_NAVIGATION_1!) contents | output | 30 Minutes |
| (!MODULE_FEATURED_PIC_1_LEVEL_2!) contents | output | 5 Minutes |
| (!MODULE_FEATURED_PIC_2_LEVEL_2!) contents | output | 5 Minutes |
| (!MODULE_FEATURED_PIC_1_LEVEL_3!) contents | output | 5 Minutes |
| (!MODULE_FEATURED_PIC_2_LEVEL_3!) contents | output | 5 Minutes |
| (!MODULE_FEATURED_PIC_1_LEVEL_4!) contents | output | 5 Minutes |
| (!MODULE_FEATURED_PIC_2_LEVEL_4!) contents | output | 5 Minutes |
| (!MODULE_FEATURED_PIC_1_LEVEL_5!) contents | output | 5 Minutes |

| Cached Item | Cache Type | Cache Time |
|--------------------------------------------|------------|------------|
| (!MODULE_FEATURED_PIC_2_LEVEL_5!) contents | output | 5 Minutes |
| (!MODULE_FEATURED_1_LEVEL_2!) contents | output | 5 Minutes |
| (!MODULE_FEATURED_2_LEVEL_2!) contents | output | 5 Minutes |
| (!MODULE_FEATURED_1_LEVEL_3!) contents | output | 5 Minutes |
| (!MODULE_FEATURED_2_LEVEL_3!) contents | output | 5 Minutes |
| (!MODULE_FEATURED_1_LEVEL_4!) contents | output | 5 Minutes |
| (!MODULE_FEATURED_2_LEVEL_4!) contents | output | 5 Minutes |
| (!MODULE_FEATURED_1_LEVEL_5!) contents | output | 5 Minutes |
| (!MODULE_FEATURED_2_LEVEL_5!) contents | output | 5 Minutes |
| (!MODULE_ZIP_FILTER_1!) contents | output | Forever |
| (!MODULE_STATE_FILTER_1!) contents | output | Forever |
| (!SUBCATEGORY_NAVIGATION_1!) contents | output | 30 Minutes |
| (!SUBCATEGORY_NAVIGATION_2!) contents | output | 30 Minutes |
| (!SUBCATEGORY_NAVIGATION_3!) contents | output | 30 Minutes |
| (!SUBCATEGORY_NAVIGATION_4!) contents | output | 30 Minutes |
| (!SUBCATEGORY_NAVIGATION_5!) contents | output | 30 Minutes |
| (!SUBCATEGORY_NAVIGATION_6!) contents | output | 30 Minutes |
| (!SUBCATEGORY_NAVIGATION_7!) contents | output | 30 Minutes |
| (!LOGGED_IN_OUT_HTML_4!) contents | output | Forever |
| (!LOGGED_IN_OUT_HTML_5!) contents | output | Forever |
| (!LOGGED_IN_OUT_HTML_6!) contents | output | Forever |
| (!MODULE_TOTAL_LIVE_USERS!) contents | output | 5 Minutes |
| (!MODULE_TOTAL_REGISTERED_USERS!) contents | output | 30 Minutes |
| (!MODULE_TITLE!) contents | output | Not Cached |
| (!MODULE_HOTTEST_ADS!) contents | output | 30 Minutes |
| (!FEATURED_CATEGORY_1!) contents | output | 5 Minutes |
| (!FEATURED_CATEGORY_2!) contents | output | 5 Minutes |
| (!LOGGED_IN_OUT_HTML_8!) contents | output | Forever |
| (!LOGGED_IN_OUT_HTML_9!) contents | output | Forever |
| (!LOGGED_IN_OUT_HTML_10!) contents | output | Forever |
| (!LOGGED_IN_OUT_HTML_11!) contents | output | Forever |
| (!LOGGED_IN_OUT_HTML_12!) contents | output | Forever |
| (!LOGGED_IN_OUT_HTML_13!) contents | output | Forever |
| (!LOGGED_IN_OUT_HTML_14!) contents | output | Forever |
| (!LOGGED_IN_OUT_HTML_15!) contents | output | Forever |
| (!LOGGED_IN_OUT_HTML_16!) contents | output | Forever |
| (!LOGGED_IN_OUT_HTML_17!) contents | output | Forever |
| (!LOGGED_IN_OUT_HTML_18!) contents | output | Forever |
| (!LOGGED_IN_OUT_HTML_19!) contents | output | Forever |
| (!LOGGED_IN_OUT_HTML_20!) contents | output | Forever |
| (!LOGGED_IN_OUT_HTML_7!) contents | output | Forever |
| (!MODULE_PHP_INSERT_7!) contents | output | Not Cached |
| (!MODULE_PHP_INSERT_8!) contents | output | Not Cached |
| (!MODULE_PHP_INSERT_9!) contents | output | Not Cached |

| Cached Item | Cache Type | Cache Time |
|-----------------------------------------|------------|------------|
| (!MODULE_PHP_INSERT_10'!) contents | output | Not Cached |
| (!MODULE_PHP_INSERT_11'!) contents | output | Not Cached |
| (!MODULE_PHP_INSERT_12'!) contents | output | Not Cached |
| (!MODULE_PHP_INSERT_13'!) contents | output | Not Cached |
| (!MODULE_PHP_INSERT_14'!) contents | output | Not Cached |
| (!MODULE_PHP_INSERT_15'!) contents | output | Not Cached |
| (!MODULE_PHP_INSERT_16'!) contents | output | Not Cached |
| (!MODULE_PHP_INSERT_17'!) contents | output | Not Cached |
| (!MODULE_PHP_INSERT_18'!) contents | output | Not Cached |
| (!MODULE_PHP_INSERT_19'!) contents | output | Not Cached |
| (!MODULE_PHP_INSERT_20'!) contents | output | Not Cached |
| (!CATEGORY_DROPDOWN'!) contents | output | Forever |
| (!CATEGORY_BROWSING_OPTIONS'!) contents | output | Not Cached |
| (!MY_ACCOUNT_LINKS'!) contents | output | Not Cached |
| Smarty Template File Locations | data | Forever |

Forever: Note that *Forever* doesn't really mean forever, just until the next time a setting that affects the cached item is changed in the admin, or the next time the cache is turned off or cleared in the admin.

Template Designers: See that last cached item? That means if you are using cache, turn it off while working on your custom template design, or you will be wondering why the system refuses to use your new file instead of the one in the default template set.

1)

The cache system has matured so that this should not be a problem, but if you do experience this problem where you need to clear the cache for a setting change to take effect **in the admin panel**, notify Geo Support.

From: <https://geodesicsolutions.org/wiki/> - **Geodesic Solutions Community Wiki**

Permanent link: https://geodesicsolutions.org/wiki/admin_menu/site_setup/cache/start?rev=1273517687

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