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* Profiling Your Application

classic layout

Profiling Your Application[**¶**](#gjdgxs)

The Profiler Class will display benchmark results, queries you have run, and $\_POST data at the bottom of your pages. This information can be useful during development in order to help with debugging and optimization.

Initializing the Class[**¶**](#30j0zll)

Important

This class does NOT need to be initialized. It is loaded automatically by the [*Output Library*](http://docs.google.com/libraries/output.html) if profiling is enabled as shown below.

Enabling the Profiler[**¶**](#1fob9te)

To enable the profiler place the following line anywhere within your [*Controller*](http://docs.google.com/controllers.html) methods:

$this->output->enable\_profiler(TRUE);

When enabled a report will be generated and inserted at the bottom of your pages.

To disable the profiler you will use:

$this->output->enable\_profiler(FALSE);

Setting Benchmark Points[**¶**](#3znysh7)

In order for the Profiler to compile and display your benchmark data you must name your mark points using specific syntax.

Please read the information on setting Benchmark points in the [*Benchmark Library*](http://docs.google.com/libraries/benchmark.html) page.

Enabling and Disabling Profiler Sections[**¶**](#2et92p0)

Each section of Profiler data can be enabled or disabled by setting a corresponding config variable to TRUE or FALSE. This can be done one of two ways. First, you can set application wide defaults with the *application/config/profiler.php* config file.

Example:

$config['config'] = FALSE;  
$config['queries'] = FALSE;

In your controllers, you can override the defaults and config file values by calling the set\_profiler\_sections() method of the [*Output Library*](http://docs.google.com/libraries/output.html):

$sections = array(  
 'config' => TRUE,  
 'queries' => TRUE  
);  
  
$this->output->set\_profiler\_sections($sections);

Available sections and the array key used to access them are described in the table below.

| Key | Description | Default |
| --- | --- | --- |
| **benchmarks** | Elapsed time of Benchmark points and total execution time | TRUE |
| **config** | CodeIgniter Config variables | TRUE |
| **controller\_info** | The Controller class and method requested | TRUE |
| **get** | Any GET data passed in the request | TRUE |
| **http\_headers** | The HTTP headers for the current request | TRUE |
| **memory\_usage** | Amount of memory consumed by the current request, in bytes | TRUE |
| **post** | Any POST data passed in the request | TRUE |
| **queries** | Listing of all database queries executed, including execution time | TRUE |
| **uri\_string** | The URI of the current request | TRUE |
| **session\_data** | Data stored in the current session | TRUE |
| **query\_toggle\_count** | The number of queries after which the query block will default to hidden. | 25 |

Note

Disabling the [*save\_queries*](http://docs.google.com/database/configuration.html) setting in your database configuration will also effectively disable profiling for database queries and render the ‘queries’ setting above useless. You can optionally override this setting with $this->db->save\_queries = TRUE;. Without this setting you won’t be able to view the queries or the last\_query <database/helpers>.

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Built with [Sphinx](http://sphinx-doc.org/) using a [theme](https://github.com/snide/sphinx_rtd_theme) provided by [Read the Docs](https://readthedocs.org).