

TITLE: CMSMS Config Variables

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## Introduction:

This document is intended to provide a reference to the various config variables available in CMS Made Simple, and how to use them. It is intended as a reference for those people familiar with such concepts as database connectivity, file paths, permissions, and url rewriting, not as a tutorial or how-to guide.

## Scope:

This document describes the variables as available in CMS Made Simple version 1.10 it does not include descriptions of variables used by third party addon modules, or for previous versions of CMSMS. Additionally, this document cannot be considered a complete reference. third party modules and plugins may ignore some of these values or add their own.

## Organization:

This document is organized roughly by the importance of the variables, from the top down. Most commonly used configuration variables will be described first.

## Variable Reference:

### *dbms*

**Description:** Specifies the database management system and libraries that CMSMS should use.  
**Status:** Required  
**Type:** String  
**Accepted Values:** mysql, mysqli, postgres

### *db\_hostname*

**Description:** Specifies the hostname of the system that hosts the database.. This should be provided by your host.  
**Status:** Required  
**Type:** String  
**Accepted Values:** Any hostname, or IP address. 'localhost' is the proper value on most hosts.

### *db\_name*

**Description:** Specifies the name of the database that CMSMS should use  
**Status:** Required  
**Type:** String  
**Accepted Values:** A valid database name. If you are unsure of this value, contact your hosting provider.

***db\_username***

**Description:** The username of the database user that has sufficient privilege to the database name specified above. This is used to allow CMSMS to connect to the database.

**Status:** Required

**Type:** String

**Accepted Values:** The username of your account, or the database username created in the admin console. Contact your host for the proper value for this field if you are uncertain.

***db\_password***

**Description:** Specify the password associated to the database user. This is used to allow CMSMS to connect to the database.

**Status:** Required

**Type:** String

**Accepted Values:** The password (plain text) that is associated with the database username specified above.

***db\_prefix***

**Description:** Specify a prefix to use in front of all table names. This variable can be used to allow multiple applications to coexist inside the same database.

**Status:** Required

**Type:** String

**Default Value:** cms\_

***db\_port***

**Description:** Specify an alternate port number to use when connecting to the database. This is useful when your database is available on a port that is not the standard. The information provided from your host should indicate this.

**Status:** Optional

**Type:** integer

**Default Value:** 3306 for mysql, may be different for postgres or other systems.

## *timezone*

<b>Description:</b>	The server system timezone. This is used for ensuring that time calculations between the database and the server itself are synchronized.
<b>Note:</b>	Note: Behaviour has changed regarding timezones between PHP versions, when running PHP 5.2 this variable may not need to be set. However in PHP 5.3 it needs to be set to a valid value for your server.
<b>Status:</b>	Required
<b>Type:</b>	String
<b>Example:</b>	<code>\$config['timezone'] = 'America/Denver';</code>
<b>Accepted Values:</b>	See this link: <a href="http://www.php.net/manual/en/timezones.php">http://www.php.net/manual/en/timezones.php</a>
<b>See Also:</b>	<a href="http://php.net/manual/en/function.date-default-timezone-set.php">http://php.net/manual/en/function.date-default-timezone-set.php</a>

## *root\_path*

<b>Description:</b>	Specify the full and complete filesystem path to this CMSMS installation
<b>Status:</b>	Optional
<b>Type:</b>	String
<b>Accepted Values:</b>	A valid path specification
<b>Default Value:</b>	Determined automatically from the script location.

## *root\_url*

<b>Description:</b>	Specify the normal (insecure) URL to the top of your website.
<b>Status:</b>	Optional
<b>Type:</b>	String
<b>Accepted Values:</b>	The valid fully qualified URL to the home page of the website.
<b>Default Value:</b>	Determined Automatically from server variables.

## *ssl\_url*

<b>Description:</b>	Specify the secure URL to the top of your website
<b>Status:</b>	Optional
<b>Type:</b>	String
<b>Accepted Values:</b>	A valid fully qualified HTTPS url to the home page of the website
<b>Default Value:</b>	The root url with http:// replaced with https://

## *admin\_url*

<b>Description:</b>	A url to specify a web accessible url to the CMSMS admin console
<b>Status:</b>	Optional
<b>Type:</b>	String
<b>Default Value:</b>	<code>\$config['root_url'].'/'.\$config['admin_dir']</code>

### ***uploads\_path***

<b>Description:</b>	This variable contains the absolute filesystem path to the location where files should be uploaded.
<b>Status:</b>	Optional
<b>Type:</b>	String
<b>Accepted Values:</b>	A valid filesystem path. Please ensure permissions are set correctly to allow the web server to write files to this directory.
<b>Default Value:</b>	<code>\$config['root_path'].'/uploads';</code>

### ***uploads\_url***

<b>Description:</b>	The web accessible URL that corresponds to the uploads path
<b>Status:</b>	Optional
<b>Type:</b>	String
<b>Accepted Values:</b>	A valid web acceptable URL. Please ensure that it corresponds to the uploads_path variable specified above.
<b>Default Value:</b>	<code>\$config['root_url'].'/uploads';</code>

### ***ssl\_uploads\_url***

<b>Description:</b>	Specify the secure version of the URL corresponding to your uploads_url above. This is only necessary when using SSL for some or all pages.
<b>Status:</b>	Optional
<b>Type:</b>	String
<b>Accepted Values:</b>	A valid, web accessible URL. Please ensure that it corresponds to the uploads_path variable specified above.
<b>Default Value:</b>	<code>\$config['ssl_url'].'/uploads';</code>

### ***image\_uploads\_path***

<b>Description:</b>	The path used by the image manager and other functionality to upload and manages images for your website.
<b>Status:</b>	Optional
<b>Type:</b>	String
<b>Accepted Values:</b>	A fully qualified filesystem path where images should be stored.
<b>Default Values:</b>	<code>\$config['uploads_path'].'/images';</code>

### ***image\_uploads\_url***

<b>Description:</b>	Specify the web accessible URL where images will be available. This must correspond to the image_uploads_path above.
<b>Status:</b>	Optional.
<b>Type:</b>	String
<b>Accepted Values:</b>	A web accessible URL
<b>Default Values:</b>	<code>\$config['uploads_url'].'/images'</code>

### ***debug***

**Description:** Indicates whether debug mode is enabled. When debug mode is enabled automatic redirection is disabled and query and trace information is appended to the output. This mode should also be enabled to assist in diagnosing errors when error messages are hidden by default.

**Status:** Optional

**Type:** boolean

**Accepted Values:** true or false

**Default Value:** FALSE

### ***admin\_dir***

**Description:** Specify the name of the admin directory. This option can be used by advanced users to specify an alternate admin directory name. Although this may cause difficulty with the upgrade process.

**Status:** Optional

**Type:** String

**Accepted Values:** A valid directory name (relative to the root\_path above).

**Default Value:** admin

### ***persist\_db\_conn***

**Description:** A flag that indicates whether persistent database connections should be used. This variable may be of use on high load servers. Contact your host if encountering problems and wondering whether this setting should be used.

**Status:** Optional

**Type:** boolean

**Accepted Values:** true or false

**Default Value:** FALSE

### ***use\_adodb\_lite***

**Description:** An optional variable indicating whether the system should look for the (default) adodb\_lite system, or the optional full adodb database abstraction library. CMSMS ships with adodb\_lite but is capable of operating with the full adodb if specified.

**Status:** Optional

**Type:** Integer

**Default Value:** 1

**Accepted Values:** 0 or 1

## ***process\_whole\_template***

<b>Description:</b>	By default CMSMS will process your page template in three pieces. Firstly the portion above the head section, then the body section, and then the head section. This allows smarty variables created in the body section to be utilized in the head for things like page title and meta data.
<b>Status:</b>	Optional
<b>Type:</b>	boolean
<b>Accepted Values:</b>	true or false
<b>Default Value:</b>	FALSE

## ***output\_compression (deprecated)***

<b>Description:</b>	Specify whether CMSMS should enable output compression for each request.
<b>Note:</b>	This option is deprecated, and will be removed at a later date. The server config options provide a better mechanism to enable output compression and this option may interfere with the functionality of some modules i.e: for downloading files.
<b>Status:</b>	Optional
<b>Type:</b>	boolean
<b>Accepted Values:</b>	true or false
<b>Default Value:</b>	FALSE

## ***previews\_path (deprecated)***

<b>Description:</b>	Specify a location where the temporary information used for generating previews should be stored.
<b>Status:</b>	Optional
<b>Type:</b>	string
<b>Accepted Values:</b>	A complete path specification that has write permissions by the web server process.
<b>Default Value:</b>	Internal value.

## ***max\_upload\_size (deprecated)***

<b>Description:</b>	A value (in bytes) that specifies the maximum size of files that can be uploaded to your website.
<b>Note:</b>	This value does not override server settings. If experiencing problems with limited file upload sizes please check your server configuration.
<b>Status:</b>	Optional
<b>Type:</b>	integer
<b>Accepted Values:</b>	integer
<b>Default Value:</b>	The maximum upload size specified by the system.
<b>See Also:</b>	<a href="http://php.net/manual/en/ini.core.php">http://php.net/manual/en/ini.core.php</a>



## ***default\_upload\_permission (deprecated)***

<b>Description:</b>	Specify the permission that should be given (by default) to uploaded files.
<b>Status:</b>	Optional
<b>Type:</b>	String representing octal value
<b>Example::</b>	<code>\$config['default_upload_permission'] = '644';</code>
<b>Default Value:</b>	644

## ***use\_smarty\_php\_tags***

<b>Description:</b>	Indicate wether smarty {php} tags should be allowed in templates. This is an advanced option which should only be enabled by experionced developers who are familiar with the potential drawbacks to this functionality.
<b>Status:</b>	Optional
<b>Type:</b>	Boolean
<b>Default Value:</b>	FALSE

## ***auto\_alias\_content***

<b>Description:</b>	Specify wether page aliases should automatically be created for new pages.
<b>Status:</b>	Optional
<b>Type:</b>	Boolean
<b>Default Value:</b>	FALSE

## ***url\_rewriting***

<b>Description:</b>	What type of URL rewriting should we be using for pretty URLs. The possible values for this variable are system dependant.
<b>Status:</b>	Optional
<b>Type:</b>	String
<b>Accepted Values:</b>	none, internal, mod_rewrite
<b>Example::</b>	<code>\$config['default_upload_permission'] = 'none';</code>
<b>Default Value:</b>	none
<b>See Also:</b>	<a href="http://wiki.cmsmadesimple.org/index.php/FAQ/Installation/Pretty_URLs#Pretty_URLs">http://wiki.cmsmadesimple.org/index.php/FAQ/Installation/Pretty_URLs#Pretty_URLs</a>

## ***page\_extension***

<b>Description:</b>	Used when the url_rewriting is a value other than 'none' this variable specifies the extension that should be appended to all URLs that the system generates.
<b>Status:</b>	Optional
<b>Type:</b>	String
<b>Default Value:</b>	n/a
<b>Example:</b>	<code>\$config['page_extension'] = '.html';</code>

### ***query\_var***

<b>Description:</b>	Specifies the name of the URL variable that will indicate the page alias. You should not need to override this value unless the default value interferes with another software package.
<b>Status:</b>	Optional
<b>Type:</b>	String
<b>Default Value:</b>	page

### ***image\_manipulation\_prog***

<b>Description:</b>	Specify the program (or library) that should be used for image manipulation.
<b>Status:</b>	Optional
<b>Type:</b>	String
<b>Default Value:</b>	gd
<b>Accepted Values</b>	gd or imagemagick
<b>See Also:</b>	<a href="http://wiki.cmsmadesimple.org/index.php/User_Handbook/Admin_Panel/Content/Image_Manager">http://wiki.cmsmadesimple.org/index.php/User_Handbook/Admin_Panel/Content/Image_Manager</a>

### ***image\_transform\_lib\_path***

<b>Description:</b>	When using imagemagick as a manipulation program specify the library path to that program.
<b>Status:</b>	Optional
<b>Type:</b>	String
<b>Default Value:</b>	/usr/bin/ImageMagick

### ***locale***

<b>Description:</b>	Locale to use for various default date handling functions, etc. Leaving this blank will use the server's default. This might not be good if the site is hosted in a different country than it's intended audience.
<b>Note:</b>	Though you can specify any valid locale, the locale information you specify must be installed on the server.
<b>Status:</b>	Optional
<b>Type:</b>	String
<b>Default Value:</b>	n/a
<b>See Also:</b>	<a href="http://php.net/manual/en/function.setlocale.php">http://php.net/manual/en/function.setlocale.php</a>

### ***admin\_encoding***

<b>Description:</b>	Specify the encoding to use for admin translations.
<b>Note:</b>	In almost all cases, default_encoding should be empty (which defaults to utf-8) and admin_encoding should be utf-8. If you'd like this to be different, change both. Keep in mind, however, that the admin interface translations are all in utf-8, and will be converted on the fly to match the admin_encoding. This could seriously slow down the admin interfaces for users.
<b>Status:</b>	Optional
<b>Type:</b>	string
<b>Default Value:</b>	utf-8

### ***default\_encoding***

<b>Description:</b>	Specify the encoding to use for admin translations.
<b>Note:</b>	In almost all cases, default_encoding should be empty (which defaults to utf-8) and admin_encoding should be utf-8. If you'd like this to be different, change both. Keep in mind, however, that the admin interface translations are all in utf-8, and will be converted on the fly to match the admin_encoding. This could seriously slow down the admin interfaces for users.
<b>Status:</b>	Optional
<b>Type:</b>	string
<b>Default Value:</b>	n/a

### ***set\_names***

<b>Description:</b>	A flag indicating wether a 'set names' command should be given to a mysql database upon connection. Applies to mysql only
<b>Status:</b>	Optional
<b>Type:</b>	Boolean
<b>Default Value:</b>	FALSE

### ***wiki\_url***

<b>Description:</b>	A URL indicating where the CMSMS wiki is located. Used for help links
<b>Status:</b>	Optional
<b>Type:</b>	string
<b>Default Value:</b>	<a href="http://wiki.cmsmadesimple.org/index.php/User_Handbook/Admin_Panel">http://wiki.cmsmadesimple.org/index.php/User_Handbook/Admin_Panel</a>

***show\_performance\_info***

<b>Description:</b>	A flag indicating wether performance information should be appended to all output from CMSMS requests.
<b>Note:</b>	This setting when enabled could interfere with the output of some modules, for example when downloading files or exporting XML information.
<b>Status:</b>	Optional
<b>Type:</b>	Boolean
<b>Default Value:</b>	FALSE

***debug\_to\_log***

<b>Description:</b>	A flag indicating wether the debug_to_log method should actually output anything. This variable should be set to false for production environments.
<b>Status:</b>	Optional
<b>Type:</b>	Boolean
<b>Default Value:</b>	FALSE

## **Revision History:**

***August 2011 – Robert Campbell***

Initial Revision