

CPMChangeTheme

An Addon Module for Cpanel

Version 0.2 beta

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Installation

Download <http://www.cpanelmodules.com/download/CPMChangeTheme.tar.gz>, uncompress and run install:

- 1) wget <http://www.cpanelmodules.com/download/CPMChangeTheme.tar.gz>
- 2) tar xvzf CPMChangeTheme.tar.gz
- 3) sh install

For the CPMChangeModule to work you need to:

- 1) Include the API calls in all the themes you want your users to be able to switch from an to.
- 2) Enable the module in the packages whose users can change themes, and disable it in the rest of the packages (it is enabled by default). Use the Feature Manager in WHM to that end.

Finally, add the following language variables to your language files:

```
// CPMChangeTheme (English)
```

```
CPMChangeTheme_SubmitButton=Change Theme  
CPMChangeTheme_errstr_InvalidTheme=Invalid theme  
CPMChangeTheme_errstr_NoThemes=No themes available  
CPMChangeTheme_ChangeTheme=Change Theme  
CPMChangeTheme_ThemeChanged=Theme changed successfully  
CPMChangeTheme_ErrorFound=Error found  
CPMChangeTheme_Reload=Reload new theme
```

```
// CPMChangeTheme (Spanish)
```

```
CPMChangeTheme_SubmitButton=Cambiar Tema  
CPMChangeTheme_errstr_InvalidTheme=Tema no válido  
CPMChangeTheme_errstr_NoThemes=No hay temas disponibles  
CPMChangeTheme_ChangeTheme=Cambiar Tema  
CPMChangeTheme_ThemeChanged=Tema cambiado con éxito  
CPMChangeTheme_ErrorFound=Ha ocurrido un error  
CPMChangeTheme_Reload=Cargar nuevo tema
```

API Reference

<cpanel CPMChangeTheme="DisplayForm(['action'], ['submit'])">

Displays a complete form with the themes the user can choose from. The form contains a select box with as many options as themes are available, and a submit button with the supplied *submit* text or the language string `CPMChangeTheme_SubmitButton` if the second parameter is empty.

The default form action is `"dochangetheme.html"`, but it can be overridden by specifying a non empty value for the first parameter. The SELECT element name is `"theme"` and the variables are passed to the action URI using the POST method.

For CSS formatting purposes, the form is given class `"cpm-change-theme"`.

If no themes are available to choose from, the form is not displayed, and the following variables are set:

```
$CPERROR{ 'CPMChangeTheme' } = 1
$CPERROR{ 'CPMChangeTheme_NoThemes' } = 1
$CPERROR{ 'CPMChangeTheme_errstr' } =
    <cpanel printlang="CPMChangeTheme_errstr_NoThemes">
```

A sample output follows (line breaks were added for clarity):

```
<cpanel CPMChangeTheme="DisplayForm()">

<form class="cpm-change-theme" method="post"
      action="dochangetheme.html">
<select name="theme">
<option value="x" selected>Cpanel X</option>
<option value="monsoon">Monsoon</option>
</select>
<input value="Change Theme" type="submit">
</form>
```

<cpanel CPMChangeTheme="DisplayOptions()">

As above, but only displays the OPTION elements. No FORM, SELECT or INPUT elements are returned. Example:

```
<cpanel CPMChangeTheme="DisplayOptions()">
```

might produce the following:

```
<option value="x" selected>Cpanel X</option>
<option value="monsoon">Monsoon</option>
```

<cpanel CPMChangeTheme="CheckOptions()">

Determines whether there are available themes for the current user to switch to. If no options are available, the following variables are set:

```
$CPERROR{ 'CPMChangeTheme' } = 1
$CPERROR{ 'CPMChangeTheme_NoThemes' } = 1
$CPERROR{ 'CPMChangeTheme_errstr' } =
  <cpanel printlang="CPMChangeTheme_errstr_NoThemes">
```

Use with `DisplayOptions()` to avoid printing a form without options. Example:

```
<cpanelfeature cpanelmodules.com_changetheme>
<cpanel CPMChangeTheme="CheckOptions()">
<cpanelif !$CPERROR{ 'CPMChangeTheme' }>
<form action="dochangetheme.html" method="post">
<select name="theme">
<cpanel CPMChangeTheme="DisplayOptions()">
</select>
<input type="submit" value="Change theme">
</form>
</cpanelif>
</cpanelfeature>
```

<cpanel CPMChangeTheme="ChangeTheme('theme')">

Changes the theme of the current user to the theme specified by the *theme* parameter. Typically you will add this call to the `dochangetheme.html` (or the action URI you specify in the `DisplayForm` API call) and use `$FORM{ 'theme' }` as the parameter. The theme is changed by modifying the `RS` value in the user's `cpanel` file (`/var/cpanel/users/username`). If the specified theme is not valid (according to the module's configuration) the following variables are set:

```
$CPERROR{ 'CPMChangeTheme' } = 1
$CPERROR{ 'CPMChangeTheme_InvalidTheme' } = 1
$CPERROR{ 'CPMChangeTheme_errstr' } =
  <cpanel printlang="CPMChangeTheme_errstr_InvalidTheme">
```

The `/usr/local/cpanel/bin/cpanelmodules/ChangeTheme` wrapper, which is `setuid cpanel`, is executed by this call (you may also call it directly from shell). If any errors are encountered during its execution, the following variables are set:

```
$CPERROR{ 'CPMChangeTheme' } = 1
$CPERROR{ 'CPMChangeTheme_WrapperError' } =
  (signal_signal|dumped_core|exitcode)
$CPERROR{ 'CPMChangeTheme_errstr' } = "WrapperError [exitcode]"
```

The wrapper's error exit codes are:

- 100: Incorrect number of parameters
- 101: Invalid syntax for target theme
- 102: Specified theme doesn't exist
- 103: Invalid syntax for user name
- 104: Invalid caller's uid (must be the specified user, its owner, or root)
- 105: Target theme is the same as current theme

200: Cannot open cpanel user file for reading
201: Cannot open temporary cpanel user file for writing
300: Invalid target theme: doesn't meet configuration requirements

After changing the theme, you should redirect your users to their control panel main page so the theme change becomes effective. Example:

```
<cpanelfeature cpanelmodules.com_changetheme>

  <cpanel CPMChangeTheme="ChangeTheme($FORM{'theme'})">

  <cpanelif $CPERROR{'CPMChangeTheme'}>
    <p>
      <cpanel printlang="CPMChangeTheme_ErrorFound">:
      <cpanel print="$CPERROR{'CPMChangeTheme_errstr'}">
    </p>
  </cpanelif>

  <cpanelif !$CPERROR{'CPMChangeTheme'}>
    <meta http-equiv="Refresh" content="3;url=/" target="_top">
    <p>
      <cpanel printlang="CPMChangeTheme_ThemeChanged">.
      <a href="/" target="_top">
        <cpanel printlang="CPMChangeTheme_Reload">
      </a>
    </p>
  </cpanelif>

</cpanelfeature>
```

Addon Configuration

Upon successful installation, you can access the addon configuration script from your WHM panel (Addons > Configure CPM Theme Changer).

There are three configuration options:

1) Define theme names matrix

This option allows you to define the natural name of each theme in each language. This will later be included as the content of the OPTION elements created by the API calls described in the previous section.

2) Define theme permissions per theme

Allows you to define which themes your users can switch to from each theme. For example, you can have two mail only themes, and two full themes, and prevent your users from changing from a mail only theme to a full theme and vice versa.

3) Define theme permissions per owner

Allows you to define which themes each reseller's users can switch to.

Remember that for the CPMChangeModule to work you need to:

1) Include the API calls in all the themes you want your users to be able to switch from and to.

2) Enable the module in the packages whose users can change themes, and disable it in the rest of the packages (it is enabled by default). Use the Feature Manager in WHM to that end.

Modifying existing themes and language files

The minimum steps to modify your existing themes are: including a change theme form (typically in the index page), and including a `dochangetheme.html` page. Since the default themes are reset by Cpanel during the nightly updates, you need to modify them again once the nightly update has finished. The best way to do that is by invoking a modifier script of your own from `/scripts/postupcp`, which is triggered automatically by Cpanel's update cron job.

We have included a modifier script for the default themes: `x`, `x2`, `xmail`, `monsoon` and `bluelagoon`, as well as a `dochangetheme.html` page for each of them. *Please take into account that it is not possible to ensure that the modifier script will always work, since it depends heavily on the original HTML code. If the HTML code of the `index.html` pages changes, the modifier script may stop working.*

Additionally, we include a `langs` modifier script that adds the language strings to the language files, which can also be updated during the nightly updates.

If your `/scripts/postupcp` file doesn't exist yet, create it and add the following lines:

```
#!/usr/bin/perl -w

use strict;

# Patch the default themes to include a Change Theme form
print `/usr/local/cpanel/bin/cpanelmodules.com/postupcp/ChangeTheme`;

# Re-add all the cpanelmodules.com language strings
print `/usr/local/cpanel/bin/cpanelmodules.com/postupcp/langs`;

exit;
```

The `/scripts/postupcp` file must be chown'ed by `root.root` and chmod'ed `0700`:

```
# chown root.root /scripts/postupcp
# chmod 0700 /scripts/postupcp
```

The `dochangetheme.html` pages are stored in the right places when running the install script, so you shouldn't worry about them.

Changelog

0.2 Beta – 26/MAR/2004

Added the CheckOptions() call.

Added scripts to patch the default themes and the language files.

Restructured the directory structure to make it easier to add new modules in the future.

0.1 Beta – 23/MAR/2004

First public release.

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Thank you :)