

Making cPanel[®] Stand Out For Your Business With Themes

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Topics Covered

- **Theme Basics**
 - cPanel Themes
 - WHM™ Themes
 - Packaging and Editing
- **Advanced Topics**
 - Language Files
 - The cPanel Markup

Directory Structure and Contents

- Theme Directory
 - Themes are stored in `/usr/local/cpanel/base/frontend`
 - Can contain PHP, Perl, and HTML contents
 - Directory must contain either an `index.html` or `index.php` file

Theme Determination

- Theme name is set by RS variable in cPanel user file
- Users are only allowed access to files within their theme root
 - With the exception of `/usr/local/cpanel/base/3rdparty`

cPanel Script Handling

- PHP scripts are recognized by the PHP and CPPHP extensions
- PHP scripts are interpreted by the internal PHP interpreter
 - /usr/local/cpanel/3rdparty/bin/php
- Perl scripts cannot be executed directly
 - Must be imported via <perl> cPanel markup
 - <perl /usr/local/cpanel/base/frontend/x2/script.pl>

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WHM Theme Directory Structure

- WHM Themes are installed to:
 - Default: /usr/local/cpanel/whostmgr/docroot
 - Custom: /usr/local/cpanel/whostmgr/docroot/themes
- Directory index file is named 'root'
 - 'main' contains the right frame for X theme
 - 'command' contains ACL controlled menu for X theme

```
WHMDEFINE:ACL=all  
  <HTMLCODE></HTMLCODE>  
ENDWHMDEFINE
```



WHM Theme Script Handling

- PHP scripts are recognized by the .php file extension
- Perl scripts are recognized by the .pl and .cgi file extensions
- The user executable bit must be enabled!
 - `chmod +x /usr/local/cpanel/whostmgr/docroot/script.pl`

Topics Covered

- Theme Basics
- **Packaging and Editing**
 - Creation of Themeballs
 - WHM Theme Functions

Advanced Topics

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Themeballs

- Themeballs are tarred and gzipped archives
- Compressed archives have been renamed to either:
 - themename.cptheme
 - themename.whmtheme

WHM Theme Functions

- WHM offers several theme oriented functions:
 - Change WHM Theme
 - Clone cPanel/WHM Theme
 - Download cPanel/WHM Themeball
 - Install New cPanel/WHM Theme
 - List Installed cPanel/WHM Themes

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Advanced Topics

- **Language Files**
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Language Files

- Any theme can be made language aware
 - By default the X and X2 themes are language aware
- Language files are stored in
 - /usr/local/cpanel/lang
 - /var/cpanel/lang.cache
- /usr/local/cpanel/bin/cachelangfiles synchronizes language files

Language File Format

- Consists of line delimited list of language keys
- Language key is stored in keyname=keyvalue format
 - All characters after equal sign are included in key value

cpanel-httpversion=Http Version

cpanel-bytesize=Size in Bytes

cpanel-agent=Agent

cpanel-waitstats=Waiting for stats to compile

cpanel-includeerr=A Non-Fatal Error occurred while trying to include.

Making a Theme Language Aware

- Language is based on Lang variable in cPanel user configuration
- Key values are indexed from /var/cpanel/lang.cache
- Key values are printed using the langprint <cpanel> attribute
 - **<cpanel langprint="MENUChoosewebmail">**

WHM's Language Functions

- Can be edited directly, or via WHM's language functions
- Language Functions:
 - Clone/Create a New Language
 - Delete a Language File
 - Download a Language File
 - Edit a Language File
 - Upload a Language File

Language File Resources

- Pre-translated languages can be obtained at <http://lang.cpanel.net>
- Many users distribute their language files via the user forums
 - <http://forums.cpanel.net>

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<cpanel>

Attributes

- LANGPRINT
 - <cpanel langprint="LANGUAGE_KEY">
- INCLUDE
 - <cpanel include="filename">
- PRINTVAR
 - <cpanel printvar="variable_name">
- SETVAR
 - <cpanel setvar="variable_name=value">

<perl>

Usage

- Used to import perl scripts into theme files

Example

```
<perl /usr/local/cpanel/base/frontend/x/script_name.pl>
```

<cpanelif> and <cpanelfeature>

Usage

- Used to determine feature availability

Example

```
<cpanelfeature sqmail>
```

```
<cpanelif !$CONF{'skipsqmail'}>
```

```
    <squirrelmail links here>
```

```
</cpanelif>
```

```
</cpanelfeature>
```

Special Thanks

To Shanna Cote!

Questions?