

Guide to Template Toolkit - Localization in Template Toolkit

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Introduction

Use localization in Template Toolkit files to produce dynamic interfaces in multiple languages. [Localization](#) refers to the translation of text from one language to multiple other languages, as well as the addition of cultural adaptations to make a product usable globally.

cPanel & WHM uses the locale system to localize phrases. For more information, read our [Guide to Locales](#) documentation.



Note:

Before you write text for localized user interfaces, we **strongly** recommend that you review our [Best Practices](#) documentation.

Localized text in Template Toolkit

Localized phrases in Template Toolkit files use the following syntax:

```
[% locale.maketext('Your localized phrase goes here.') %]
```

The template passes everything between the single quotes (' ') through the locale system as a single localized phrase. To reuse phrases as often as possible, which significantly lowers translation costs, we recommend that you divide sentences into separate `locale.maketext` calls whenever possible.



Important:

- You **must** call the `locale.maketext` function inside of brackets and parentheses (`[% %]`).
- The localization system has [specific requirements for special characters and other formatting conventions](#).

For example:

- To use an apostrophe in the text, use a single curly quote (') rather than a third single straight quote ('):

```
[% locale.maketext('Real life? You couldn't handle real life.') %]
```

- To use quotes in the text, use a double curly quote (" ") rather than double straight quotes (" "):

```
[% locale.maketext('"Curse your sudden but inevitable betrayal!"') %]
```

- You **cannot** include HTML in `locale.maketext` strings.

Variables

To pass variables into localized phrases, use the following syntax:

```
[% locale.maketext('The system set up your email address "[_1]" on your domain "[_2]".', email, domain) %]
```

This template code passes the phrase through the locale system, and then replaces the variables (`[_1]` and `[_2]`) with the variables' values (email and domain, respectively).

If the `email` value is `user@example.com` and the `domain` value is `example.com`, the template displays the following text, localized for the authenticated user:

About Template Toolkit

- Template Toolkit is a collection of Perl modules that create a template system for dynamic webpages.*
- cPanel & WHM uses Template Toolkit to generate many parts of the user interface.*

Compatible with:

- cPanel & WHM 11.28+

APIs:

- [UAPI](#) (11.42+)
- [cPanel API 2](#) (11.40+)
- [cPanel API 1](#) (11.42+)

External Resources

- template-toolkit.org
- [The Template Toolkit Manual](#)

Related Documentation

```
The system set up your email address "user@example.com" on your domain "example.com".
```

For more information about variables in localized phrases, read [CPAN's Locale::Maketext::Utils](#) documentation.

Conditionals

To display different localized phrases based on a variable's value, use `IF` and `ELSE` conditions:

```
[% IF country_name -%]  
  [% locale.maketext('This computer's location appears to be:  
[_1] ([_2]).', country_name, country_code) %]  
[% ELSE -%]  
  [% locale.maketext('The system failed to look up the IP  
address's geographical origin because of an error: [_1]',  
country_lookup_error) %]  
[% END -%]
```

1. Line 1 and 2 set an `IF` condition that displays a string if the `country_name` variable exists and has a value.
2. Line 3 and 4 set up an `ELSE` condition that displays an alternate string if the first condition's requirements are not met.
3. Line 5 ends the conditional statement.

- [Guide to Template Toolkit](#) — Template Toolkit is the main template system for the cPanel and WHM interfaces.
- [Guide to Template Toolkit - API Calls from Template Toolkit](#) — cPanel & WHM uses template files to construct interfaces that call cPanel's APIs.
- [Guide to Template Toolkit - Localization in Template Toolkit](#) — Use localization in Template Toolkit files to produce dynamic interfaces in multiple languages.
- [Guide to Package Extensions - Template Files](#) — Package extensions use Template Toolkit (`.tt2`) files to display variable forms in the WHM interface.
- [Guide to cPanel Variables](#) — The LiveAPI system and `dynamicui` files can access cPanel's global variables.