# Customizing Emails

Table of Contents

- 1 Conditional Statements
- 2 Loops
- 3 Filters
  - 3.1 Supported Filters
- 4 Debugging

Blesta 3.0 uses the H2o Template system for parsing Email Templates. The following is an overview of its basic usage. We've overridden the default {{ var_name }} with { var_name } for simplicity, but that's the only way in which the following documentation differ from any official H2o documentation.

## Conditional Statements

```
{% if id > 3 %}

This will print out if $id is > 3

{% endif %}
```

## Loops

```
{% for user in users %}

Name: {user.first_name} {user.last_name}

{% endfor %}
```

Assuming:

```
$users = array(
    array(
         'first_name'=>"First name",
         'last_name'=>"Last name"
    ),
    array(
         'first_name'=>"First name 2",
         'last_name'=>"Last name 2"
    )
);
```

Loops can also take advantage of limits:

```
{% for user in users limit:1 %}
```

The above would only cycle through the loop one time.

## Filters

Filters are applied to individual variables and are preceded by a pipe symbol (|). Parameters are passed to filters using a comma (,) separated list.

```
{past_due | set_default "Not past due"} // Produces "Not past due" if past_due is false
```

Multiple filters can be applied in succession:

```
{past_due | set_default "not past due" | capitalize} // Produces NOT PAST DUE if past_due is false
```

### Supported Filters

| Filter | Description | Example Usage |
|---|---|---|

| | | |
|---|---|---|
| currency_format | Formats the value into a currency string.<br><br>**Parameters**<br><br>1. currency code | `{"1.2345" \| currency_format "USD"}`<br><br>For Invoice Delivery Email templates, you can use this example which includes the currency code and invoice total tags.<br><br>`{invoice.total \| currency_format invoice.currency}` |
| md5 | Hashes the value using MD5. | `{"some string" \| md5}` |
| sha1 | Hahses the value using SHA1. | `{"some string" \| sha1}` |
| numberformat | Formats the value into a number.<br><br>**Parameters**<br><br>1. number of decimal places<br>2. decimal point character<br>3. thousands separator character | `{"12345.6789" \| numberformat 2, ".", ","}` |
| wordwrap | Wraps a string into multiple lines.<br><br>**Parameters**<br><br>1. number of characters per line<br>2. break string | `{"some string" \| wordwrap 5, "\n<br />"}` |
| trim | Removes white space around a string. | `{" some string " \| trim}` |
| upper | Converts a string to uppercase. | `{"some string" \| upper}` |
| lower | Converts a string to lowercase. | `{"SOME STRING" \| lower}` |
| first | Returns the first element of an array. | `{array_of_items \| first}` |
| last | Returns the last element of an array. | `{array_of_items \| last}` |
| join | Combines an array of elements into a delimited string.<br><br>**Parameters**<br><br>1. delimiter (default is ', ') | `{array_of_items \| join ', '}` |
| length | Returns the length of an array. | `{array_of_items \| length}` |

| | | |
|---|---|---|
| urlencode | URL encodes an string or array of parameters. | `{array_of_items \| urlencode}` |
| hyphenize | Replaces white space with hyphens. | `{"some string" \| hyphenize}` |
| urlize | Converts a URL into an HTML link. | `{"http://domain.com/" \| urlize}` |
| set_default | Sets a default value when no other value exists.<br>**Parameters**<br>1. default value | `{not_set \| set_default "default value"}` |
| humanize | | |
| capitalize | | |
| capfirst | | |
| tighten_space | | |
| escape | | |
| escapejson | | |
| force_escape | | |
| truncate | | |
| limitwords | | |
| filesize | | |
| image_tag | | |
| css_tag | | |
| script_tag | | |
| links_to | | |
| links_with | | |
| strip_tags | | |
| linebreaks | | |
| nl2br | | |
| nl2pbr | | |

| | | |
|---|---|---|
| htmlAttribute | | |
| extract | | |
| date | | {"some date string" \| date "Y M d"} eg.<br>{invoice.date_due \| date "Y M d"} |
| relative_time | | |
| relative_date | | |
| relative_datetime | | |
| safe | Prevents the default HTML filtering from being applied. Considers the string safe. | {"some string" \| safe} |

## Debugging

Adding the following tag to any email template will enable debugging, and display data key value pairs:

```
{% debug %}
```