

# Customizing Emails

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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 %}
```

For equal use ==

## 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 | <p>Formats the value into a currency string.</p> <p><b>Parameters</b></p> <ol style="list-style-type: none"> <li>1. currency code</li> </ol>   | <pre>{ "1.2345"   currency_format "USD" }</pre> <p>For Invoice Delivery Email templates, you can use this example which includes the currency code and invoice total tags.</p> <pre>{ invoice.total   currency_format invoice.currency }</pre> |
| md5             | Hashes the value using MD5.  | <pre>{ "some string"   md5 }</pre>   |
| sha1            | Hashes the value using SHA1.   | <pre>{ "some string"   sha1 }</pre>  |
| numberformat    | <p>Formats the value into a number.</p> <p><b>Parameters</b></p> <ol style="list-style-type: none"> <li>1. number of decimal places</li> <li>2. decimal point character</li> <li>3. thousands separator character</li> </ol> | <pre>{ "12345.6789"   numberformat 2, ".", "," }</pre>   |
| wordwrap        | <p>Wraps a string into multiple lines.</p> <p><b>Parameters</b></p> <ol style="list-style-type: none"> <li>1. number of characters per line</li> <li>2. break string</li> </ol>  | <pre>{ "some string"   wordwrap 5, "\n&lt;br /&gt;" }</pre>  |
| trim            | Removes white space around a string.   | <pre>{ " some string "   trim }</pre>  |
| upper           | Converts a string to uppercase.  | <pre>{ "some string"   upper }</pre>   |
| lower           | Converts a string to lowercase.  | <pre>{ "SOME STRING"   lower }</pre>   |
| first           | Returns the first element of an array.   | <pre>{ array_of_items   first }</pre>  |
| last            | Returns the last element of an array.  | <pre>{ array_of_items   last }</pre>   |
| join            | <p>Combines an array of elements into a delimited string.</p> <p><b>Parameters</b></p> <ol style="list-style-type: none"> <li>1. delimiter (default is ',')</li> </ol>   | <pre>{ array_of_items   join ', ' }</pre>  |
| length          | Returns the length of an array.  | <pre>{ array_of_items   length }</pre>   |

|               |   |  |
|---------------|---|--|
| urlencode     | URL encodes an string or array of parameters.   | <pre>{array_of_items   urlencode}</pre>            |
| hyphenize     | Replaces white space with hyphens.  | <pre>{"some string"   hyphenize}</pre>             |
| urlize        | Converts a URL into an HTML link.   | <pre>{"http://domain.com/"   urlize}</pre>         |
| set_default   | Sets a default value when no other value exists.<br><br><b>Parameters</b><br><br>1. default value | <pre>{not_set   set_default "default value"}</pre> |
| 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     |  | <div></div>   |
| extract           |  | <div></div>   |
| date              |  | <div><pre>{"some date string"   date "Y M d"} eg.<br/>{invoice.date_due   date "Y M d"}</pre></div> |
| relative_time     |  | <div></div>   |
| relative_date     |  | <div></div>   |
| relative_datetime |  | <div></div>   |
| safe              | Prevents the default HTML filtering from being applied. Considers the string safe. | <div><pre>{"some string"   safe}</pre></div>  |

Debugging

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

```
{% debug %}
```