

Mail template content coding

Mail templates are written in the Velocity Template Language, or VTL ([official documentation](#)). It is basically HTML with some (simple) logic possibilities and enables the user to create custom templates based on its needs.

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Introduction

An example:

An excerpt from the default template

```
#if($bookings.size() ne 1)
#set ($bookingQ = "These bookings match")
#else
#set ($bookingQ = "This booking matches")
#end
<p>${bookingQ}</p>
<table>
#foreach($booking in $bookings)
  <tr>
    <td>${booking.campaignId}</td>
    <td><a href="${origin}#campaignDetail/bookingDetail/${booking.Id}/${booking.campaignId}">
      ${booking.Id} </a></td>
  </tr>
#end
</table>
```

The above example can translate to the following result that shows which bookings match the alert:

These bookings match:

Campaign ID	Booking ID
7450	26348
7450	26454
7450	26644
7450	26645
7874	27656
7874	27657

Possibilities

You can add internal info to the template as well as some logic.



Parameters are prefixed with \$, and commands with #.

Setting parameters

The basic syntax for setting a parameter is:

```
#set ($parameter = "value")
```

The value of the parameter can be a simple string, integer, calculation or concatenation. More info in the following [Documentation](#).

If-else constructs

The syntax for an if-else statement is:

```
#if(condition)
  >run if true<
#elseif(second condition)
  >run if first condition is false and second true<
...
#else
  >run if no previous conditions is true<
#end
```

More info in the following [Documentation](#).

Looping over lists

The syntax is:

```
#foreach($element in $collection)
  >do something<
#end
```

More info in the following [Documentation](#).

Available parameters

The following parameters are set in the context, meaning they are available to use in every template you write.

Bookings

A list containing all the bookings that match the alert on the moment the alert is checked (based on your configuration of the alert).

Being a list, the only useful parameters/operations apart from looping over it in a for-loop are:

Parameter name	Meaning
<code>\$bookings.size()</code>	The amount of bookings that match the alert.
<code>\$booking.get(i)</code>	Fetch the i-th booking from the list.

Booking

On iterating over the list, or when fetching a specific booking, you can use the following parameters. The list assumes that you are iterating over the list like in the example above (`#foreach($booking in $bookings)`), or fetched a booking using `#set($booking = $bookings.get(0))`.

Parameter name	Meaning
<code>\$booking.id</code>	An integer representing the booking ID
<code>\$booking.campaignid</code>	An integer representing the booking campaign ID
<code>\$booking.name</code>	A string representing the booking name
<code>\$booking.description</code>	A string representing the booking description
<code>\$booking.toReachVolume</code>	An integer representing the booking to reach volume
<code>\$booking.startDate</code>	A date representing the booking start date
<code>\$booking.endDate</code>	A date representing the booking end date
<code>\$booking.startTime</code>	A <code>LocalTime</code> representing the booking start time
<code>\$booking.endTime</code>	A <code>LocalTime</code> representing the booking end date
<code>\$booking.daysOfTheWeekOnline</code>	An integer set representing the days of the week online (monday -> 1, tuesday -> 2, ..., sunday -> 7)
<code>\$booking.deliveryMethod.value()</code>	A string object representing the booking delivery method: <i>auto</i> , <i>sov</i> or <i>rotation</i>

\$booking.deliveryMultiples.value()	A string representing the booking delivery multiples: <i>all-together</i> , <i>one-at-a-time</i> or <i>free</i>
\$booking.creation	A date representing the booking creation date
\$booking.lastModified	A date representing the date of the last booking modification
\$booking.slot.id	An integer representing the booking slot ID
\$booking.slot.name	A string representing the booking slot name
\$booking.waveId	An integer representing the booking wave ID
\$booking.pricingCode	A string representing the booking pricing code: <i>cpm</i> , <i>cpc</i> , <i>cpp</i> , <i>adm</i> or <i>cpl</i>

Alert

This contains all the information about the alert fired:

Parameter name	Meaning
\$alert.pk.id	An integer representing the alert ID
\$alert.name	A string representing the alert name
\$alert.hour	A LocalTime representing the hour the alert is checked if the alert is configured that way, otherwise null
\$alert.publicationIds	A set of integers with the selected publication IDs
\$alert.templateIds	A set of integers with the selected format IDs
\$alert.productId	A set of integers with the selected location IDs
\$alert.deliveryRate	A string representing the requested delivery rate, in formatted like [< = >]# (e.g. <0,6)
\$alert.clickRate	A string representing the requested click rate, in formatted like [< = >]# (e.g. <0,6)
\$alert.price	A string representing the requested price, in formatted like [< = >]# (e.g. <0,6)
\$alert.impressions	A string representing the requested impressions, in formatted like [< = >]# (e.g. >100000)
\$alert.mailTemplateId	An integer representing the ID of the mail template used.
\$alert.creation	A date representing the alert creation date
\$alert.modified	A date representing the date of the last alert modification

Actions on objects

All objects represent their Java counterparts, which means that you can use any Java method supported by that object.

e.g. a string

```
<p>This is a
#if ($alert.name.substring(0,1) == "!")
    high
#elseif ($alert.name.substring(0,1) == "-")
    low
#else
    medium
#end
priority alert.</p>
```