

Manage notification e-mail templates

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Version warning

The content below is for Apache Syncope <= 1.2 - for later versions the [Reference Guide](#) is available.

Introduction

You can create new (and modify existing) template messages to customize the body of notification messages. This can be achieved by creating and / or modifying the notification e-mail template files.

Template files

Templates are defined by their *name*.

Each template is made up of a couple of files:

- the rich-text HTML variant (with extension `.html.vm`)
- the plain text variant (with extension `.txt.vm`)

For example, the default *optin* template is defined by:

- `optin.html.vm`
- `optin.txt.vm`

Template location

Assuming you have generated and built your own project, existing templates (including the default *optin* template) are located under

```
core/target/syncope/WEB-INF/classes/mailTemplates/
```

You need to create your own template files (or copy existing to modify) under

```
core/src/main/resources/mailTemplates/
```

Template format

Template files are interpreted using the [Velocity engine](#); check the [language reference](#).

Besides standard expressions, you can use the following Syncope-specific variables:

- `user`
[UserTO](#) instance representing the subject of the current notification
- `syncopeConf`
`Map<String, String>` containing all defined configurations as `<key, value>` - see how to manage these [items](#)
- `recipients`
list of [UserTO](#) instances for all the actual recipients of the current notification e-mail
- `events`
list of `String` containing all the events that could have triggered the current notification

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New Syncope-specific variable were added:

- type
type of event being notified
- category
category (String) of event being notified
- subcategory
subcategory (String) of event being notified
- event
event (String) that actually triggered the current notification
- condition
condition (success or failure) under which this notification was sent

Notifications can be related to RESTful method invocation that actually changed an entity (user, role, resource, ...). In this case, additional variables are available:

- before
entity value (Object) before actual modification took place
- input
RESTful method arguments (Object[])
- output
entity value (Object) returned by RESTful method

Sample expressions

Username

```
$user.getUsername()
```

Attribute value

```
$user.getAttributeMap().get("email").getValues().get(0)
```

Memberships

```
#foreach($membership in $user.getMemberships())
  $membership.roleId
  $membership.roleName
  $membership.getAttributeMap().get("membershipAttr").getValues().get(0)
#end
```