

# Template Helpers in Notifications Server

Beside standard Velocity constructs like `@last` `@first`, `$myarray.isEmpty()` or `$myarray.empty` there are several helpers which can address specific problems when running Jirassimo notifications.

```
boolean $jirassimo.isAfter($firstDate, $secondDate)
```

Used to compare if `$firstDate` is after `$secondDate`. Both dates must be either in `yyyy-MM-dd` or `yyyy-MM-dd'T'HH:mm:ss.SSSZ` formats.

Typical use cases of this function is checking whether update of the issue happened after `$context.today` or `$context.yesterday` or `$context.onehourago`. For example, checking whether issue was updated in last hour or since yesterday.

```
boolean $jirassimo.isSameUpdate($firstDate, $secondDate)
```

Checks whether the difference between `$firstDate` and `$secondDate` is less than 1 second. This is useful to check whether issue update and comment created happened during the same logical update.

Both dates must be in format `yyyy-MM-dd'T'HH:mm:ss.SSSZ`

```
String $jirassimo.settingValue($key)
```

This function retrieves value from Settings based on `$key` supplied. Settings are basically collection of key=value pairs and they are helpful if you need, for example, to find out user's channel from his email.

```
String $jirassimo.formatDate($dateValue, $format)
```

Formats given `$dateValue` date using format in `$format`. If `$format` is omitted then `MM-dd-yy hh:mm` will be used.

`$dateValue` can be: String, long or `java.time.Instant`

```
String $jirassimo.formatNumber($numberValue, $format)
```

Formats given `$numberValue` using format in `$format`. Standard Java [DecimalFormats](#) are supported.

```
$jirassimo.includeAttachments($pattern)
```

Sends attachments from current Issue to email/slack/hipchat. `$pattern` defines extensions that attachment must match against. If not specified then all.

```
$jirassimo.customBotAvatar($customBotAvatarUrl)
```

Customises Slack avatar of Jirassimo bot. `$customBotAvatarUrl` must be an absolute URL of avatar image.

```
$jirassimo.groupEmails("JIRA_GROUPNAME")
```

Retrieves a comma-separated list of emails of JIRA users belonging to specified JIRA group

```
$jirassimo.calculateAgeDays($!issue.fields.created)
```

Returns age of an issue in days

```
$jirassimo.userProperty($userKey, $propertyName)
```

Allows you to retrieve a value of JIRA property for the specified user key.

```
$jirassimo.convertAndFormatDate($dateValue, $timezone, $format)
```

Parses the date from `$dateValue` and outputs it in given `$format` with specified `$timezone`. Timezone code must be one value from [https://en.wikipedia.org/wiki/List\\_of\\_tz\\_database\\_time\\_zones](https://en.wikipedia.org/wiki/List_of_tz_database_time_zones) in column TZ\*

```
$jirassimo.appendAtlassianCSS()
```

Email only! Inlines Atlassian CSS to email elements to make it look consistently with Atlassian look-n-feel.

```
$jirassimo.customEmailFrom($value)
```

Allows to provide dynamic value for email "From name". This can be a hardcoded constant or a value from \$issue, like \$issue.fields.assignee.displayName

```
$jirassimo.customEmailFromAddress($value)
```

Allows to provide dynamic value for email "From" address. This can be a hardcoded constant or a value from \$issue, like \$issue.fields.assignee.emailAddress

```
$jirassimo.settingKeys()
```

retrieve array of all keys in user-defined Raley notification settings

```
$jirassimo.mentionsEmails($value)
```

retrieve a comma-separated list of emails of users that are mentioned in specific text field. Example: \$jirassimo.mentionsEmails(\$issue.fields.description) will give you all users mentioned in issue description

```
$jirassimo.emailReplyTo($value)
```

For email notifications sets ReplyTo value

```
$jirassimo.emailPriority($value)
```

For email notifications sets Email Priority (X-Priority header value)

```
$jirassimo.userHasRole(projectRoleName, projectKey, jiraUsername)
```

Checks if a Jira user referenced by jiraUsername has a project-specific role with name projectRoleName in a project whose key is projectKey. Example of use in this [wiki article](#)

```
$jirassimo.customEmailHeader(headerName, headerValue)
```

Adds a header to outgoing email with name headerName and value headerValue

```
$jirassimo.getProjectRoleEmails("PROJECT_ROLE_NAME", "PROJECT_KEY")
```

Returns a comma-separated list of emails of users who have role PROJECT\_ROLE\_NAME in project referenced by project key PROJECT\_KEY. More details on usage of this function in this [wiki article](#)

```
$jirassimo.getUserLanguage("USER_KEY")
```

Returns a 3-letter language code of user's locale specified by USER\_KEY. Examples: ita, rus, fin

```
$jirassimo.getFieldHTML(fieldValuePlainText)
```

Returns HTML representation of field value expressed in fieldValuePlainText. This function works only if field is rendered using Wiki-Style-renderer.

Example: \$jirassimo.getFieldHTML(\$issue.fields.description) - will return issue description in HTML format

```
$jirassimo.getElementsField(issueId, customFieldCode)
```

Returns value for [Elements Connect](#) field for given issue id with customfield code = customFieldCode.

Example: `$jirassimo.getElementsField($issue.id, "customfield_10001")`

`String $jirassimo.unescapeHTML(htmlString)`

unescape provided htmlString and returns it