

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 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