

- 1
- 2
- 3
- 4
 - 4.1
 - 4.2
 - 4.3
 - 4.4
 - 4.5
 - 4.6
 - 4.7
 - 4.8
 - 4.9
 - 4.10
 - 4.11
 - 4.12
 - 4.13 [Userview Key](#)
 - 4.14
 - 4.15
 - 4.16
 - 4.17
 - 4.18 [Bean Shell](#)



-
-
- Userview
-
-
- URL

Joget

	Ctrl+Shift+3
	Joget Workflow Marketplace Hash Hash

3.0.3

Syntax / Format
#prefix.{prefix.variableKey}#

Example

```
#date.{envVariable.dateFormat}#
#user.{variable.username}.firstName#
#form.tableChild.field1[{form.tableParent.childId}]#
```

//

```
"#" + ";
```

- 1. regex -
- 2. json - JSON
- 3. javascript - Javascript
- 4. html - HTML
- 5. xml - XML
- 6. java - Java
- 7. sql - SQL
- 8. url - URL
- 9. nl2br -
 HTML
- 10. separator(SEPARATOR_CHARS) - ":" SEPARATOR_CHARS ?separator(,) "abc;def" "abcdef"

Example

```
#envVariable.script?java#
#envVariable.script?nl2br;json#
#form.table.users?separator(, )#
```

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- Userview Key
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-
- Bean Shell

	assignment

	<ul style="list-style-type: none"> ● #assignment.processId# ● #assignment.processDefId# ● #assignment.processDefIdWithoutVersion# (v6) ● #assignment.processName# ● #assignment.processVersion# ● #assignment.processRequesterId# ● #assignment.appId# (v6) ● #assignment.activityId# ● #assignment.activityName# ● #assignment.activityDefId# ● #assignment.assigneeId#
	<ul style="list-style-type: none"> ● <ol style="list-style-type: none"> 1. 2. 3.
	#user.{assignment.assigneeId}.firstName# #user.{assignment.assigneeId}.lastName#

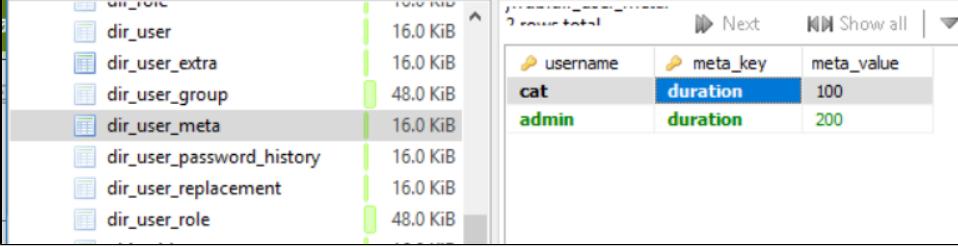
New Feature	
Joget Workflow v6	

	process

- #process.appId#
- #process.processId#
- #process.processDefId#
- #process.processDefIdWithoutVersion#
- #process.processName#
- #process.processVersion#
- #process.processRequesterId#
- #process.state#
- #process.startedTime#
- #process.limit#
- #process.due#
- #process.delay#
- #process.delayInSeconds#
- #process.finishTime#
- #process.timeConsumingFromDateStarted#
- #process.timeConsumingFromDateStartedInSeconds#
- #process.activityInst.ACTIVITY_DEF_ID.instanceId#
- #process.activityInst.ACTIVITY_DEF_ID.name#
- #process.activityInst.ACTIVITY_DEF_ID.status#
- #process.activityInst.ACTIVITY_DEF_ID.state#
- #process.activityInst.ACTIVITY_DEF_ID.type#
- #process.activityInst.ACTIVITY_DEF_ID.startedTime#
- #process.activityInst.ACTIVITY_DEF_ID.limit#
- #process.activityInst.ACTIVITY_DEF_ID.limitInSeconds#
- #process.activityInst.ACTIVITY_DEF_ID.due#
- #process.activityInst.ACTIVITY_DEF_ID.delay#
- #process.activityInst.ACTIVITY_DEF_ID.delayInSeconds#
- #process.activityInst.ACTIVITY_DEF_ID.finishTime#
- #process.activityInst.ACTIVITY_DEF_ID.timeConsumingFromDateStarted#
- #process.activityInst.ACTIVITY_DEF_ID.timeConsumingFromDateStartedInSeconds#
- #process.activityInst.ACTIVITY_DEF_ID.performer#
- #process.activityInst.ACTIVITY_DEF_ID.performerUser#
- #process.activityInst.ACTIVITY_DEF_ID.assignmentUsers#

- #process.appId[PROCESS_INSTANCE_ID]#
- #process.processDefId[PROCESS_INSTANCE_ID]#
- #process.processDefIdWithoutVersion[PROCESS_INSTANCE_ID]#
- #process.processName[PROCESS_INSTANCE_ID]#
- #process.processVersion[PROCESS_INSTANCE_ID]#
- #process.processRequesterId[PROCESS_INSTANCE_ID]#
- #process.startedTime[PROCESS_INSTANCE_ID]#
- #process.limit[PROCESS_INSTANCE_ID]#
- #process.due[PROCESS_INSTANCE_ID]#
- #process.delay[PROCESS_INSTANCE_ID]#
- #process.delayInSeconds[PROCESS_INSTANCE_ID]#
- #process.finishTime[PROCESS_INSTANCE_ID]#
- #process.timeConsumingFromDateStarted[PROCESS_INSTANCE_ID]#
- #process.timeConsumingFromDateStartedInSeconds[PROCESS_INSTANCE_ID]#
- #process.activityInst.ACTIVITY_DEF_ID.instanceId[PROCESS_INSTANCE_ID]#
- #process.activityInst.ACTIVITY_DEF_ID.name[PROCESS_INSTANCE_ID]#
- #process.activityInst.ACTIVITY_DEF_ID.status[PROCESS_INSTANCE_ID]#
- #process.activityInst.ACTIVITY_DEF_ID.state[PROCESS_INSTANCE_ID]#
- #process.activityInst.ACTIVITY_DEF_ID.type[PROCESS_INSTANCE_ID]#
- #process.activityInst.ACTIVITY_DEF_ID.startedTime[PROCESS_INSTANCE_ID]#
- #process.activityInst.ACTIVITY_DEF_ID.limit[PROCESS_INSTANCE_ID]#
- #process.activityInst.ACTIVITY_DEF_ID.limitInSeconds[PROCESS_INSTANCE_ID]#
- #process.activityInst.ACTIVITY_DEF_ID.due[PROCESS_INSTANCE_ID]#
- #process.activityInst.ACTIVITY_DEF_ID.delay[PROCESS_INSTANCE_ID]#
- #process.activityInst.ACTIVITY_DEF_ID.delayInSeconds[PROCESS_INSTANCE_ID]#
- #process.activityInst.ACTIVITY_DEF_ID.finishTime[PROCESS_INSTANCE_ID]#
- #process.activityInst.ACTIVITY_DEF_ID.timeConsumingFromDateStarted[PROCESS_INSTANCE_ID]#
- #process.activityInst.ACTIVITY_DEF_ID.timeConsumingFromDateStartedInSeconds[PROCESS_INSTANCE_ID]#
- #process.activityInst.ACTIVITY_DEF_ID.performer[PROCESS_INSTANCE_ID]#
- #process.activityInst.ACTIVITY_DEF_ID.performerUser[PROCESS_INSTANCE_ID]#
- #process.activityInst.ACTIVITY_DEF_ID.assignmentUsers[PROCESS_INSTANCE_ID]#

	<ul style="list-style-type: none"> • <ol style="list-style-type: none"> 1. . 2. . 3. 1.
	<pre>#process.activityInst.assign.performerUser[#{assingment.processId}]#</pre>

	<p>currentUser</p>									
	<ul style="list-style-type: none"> • #currentUser.id# • #currentUser.username# • #currentUser.firstName# • #currentUser.lastName# • #currentUser.email# • #currentUser.active# • #currentUser.timeZone# 									
	<p>Joget -</p>									
	<ul style="list-style-type: none"> • #currentUser.meta.KEY# <p>To read additional user meta data stored in dir_user_meta table. Example: #currentUser.meta.duration#.</p>									
	 <table border="1"> <thead> <tr> <th>username</th> <th>meta_key</th> <th>meta_value</th> </tr> </thead> <tbody> <tr> <td>cat</td> <td>duration</td> <td>100</td> </tr> <tr> <td>admin</td> <td>duration</td> <td>200</td> </tr> </tbody> </table>	username	meta_key	meta_value	cat	duration	100	admin	duration	200
username	meta_key	meta_value								
cat	duration	100								
admin	duration	200								
	<p>New Feature</p> <p>This is a new feature in Joget Workflow v6.</p>									
	<ul style="list-style-type: none"> • #currentUser.organization.id# • #currentUser.organization.name# • #currentUser.organization.description# 									
	<ul style="list-style-type: none"> • #currentUser.department.id# • #currentUser.department.name# • #currentUser.department.description# • #currentUser.department.treeStructure# 									
	<ul style="list-style-type: none"> • #currentUser.grade.id# • #currentUser.grade.name# • #currentUser.grade.description# • #currentUser.grade.organizationId# 									
	<p>HOD</p>									

- #currentUser.hod.username#
- #currentUser.hod.firstName#
- #currentUser.hod.lastName#
- #currentUser.hod.email#
- #currentUser.hod.active#
- #currentUser.hod.timeZone#

- #currentUser.groups.id#
- #currentUser.groups.name#

- #currentUser.employee.code#
- #currentUser.employee.jobTitle#
- #currentUser.employee.isHod#

HOD

- #currentUser.department.hod.username#
- #currentUser.department.hod.firstName#
- #currentUser.department.hod.lastName#
- #currentUser.department.hod.email#
- #currentUser.department.hod.active#
- #currentUser.department.hod.timeZone#

-

	date
	 Localization Joget Workflow v5

- #date.dateFormat#
- #date.dateUnit [+ -] integerValue.dateFormat #

i Options

Java, yyyy-MM-dd 2011-06-01

dateUnit

YEAR

MONTH

DAY

integerValue

10

- #date.DATE_FORMAT_TO[INPUT_DATE_VALUE | INPUT_VALUE_FORMAT]#

i INPUT_DATE_VALUE

INPUT_VALUE_FORMAT INPUT_DATE_VALUE .

DATE_FORMAT_TO .

New Feature

Joget Workflow v6

-
- ```
#date.h:mm a# // 12:08 PM
#date.EEE,d MMM yyyy h:mm:ss a# // Wed, 4 Jul 2014 12:08:56 PM
#date.DAY+7.EEE,d MMM yyyy h:mm:ss a# // Add 7 days on top of current date time - Wed, 11 Jul 2014 12:08:56 PM
#date.DAY-1.EEE,d MMM yyyy h:mm:ss a# // Minus 1 days on top of current date time - Wed, 3 Jul 2014 12:08:56 PM
#date.dd-MM-yyyy[{form.j_expense_claim.title}|yyyy-MM-dd]# // Retrieves date from j_expense_claim table, form field title, changes its origin format of yyyy-MM-dd to dd-MM-yyyy.
```

|  |                                                                           |
|--|---------------------------------------------------------------------------|
|  |                                                                           |
|  | envVariable                                                               |
|  |                                                                           |
|  | <ul style="list-style-type: none"> <li>● #envVariable.keyName#</li> </ul> |
|  | <ul style="list-style-type: none"> <li>● Joget</li> </ul>                 |
|  | #envVariable.smtpServer# #envVariable.smtpPort#                           |

|  |                                                                                                                                                                                                                             |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |                                                                                                                                                                                                                             |
|  | form                                                                                                                                                                                                                        |
|  | 0                                                                                                                                                                                                                           |
|  | <ul style="list-style-type: none"> <li>● #from.<i>tableName</i>.<i>fieldId</i>#</li> <li>● #from.<i>tableName</i>.<i>fieldId</i> [ recordId ]#3.1</li> </ul>                                                                |
|  | <ul style="list-style-type: none"> <li>● ProcessProcess Tool</li> <li>● </li> <li>● </li> </ul>                                                                                                                             |
|  | <pre>#form.registration.registeredDate# //will use the current record ID #form.registration.registeredDate[ 0001 ]# //registration ID0001registeredDate #form.registration.registeredDate[ {variable.recordId} ]# //.</pre> |

| New Feature       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Joget Workflow v6 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                   | binder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                   | <p><b>ID</b> To get <b>field value</b> or <b>field value label</b> from the binder of a form via its <b>form definition id</b> .</p> <p><b>'binder'</b> , <b>'binder.options'</b> (eg. select box, checkbox &amp; radio button).</p> <p><b>APP_ID</b> , ..</p> <p><b>PRIMARY_KEY</b> , ..</p>                                                                                                                                                                                                    |
|                   | <ul style="list-style-type: none"> <li>● #binder.APP_ID.FORM_DEF_ID.FIELD_ID#</li> <li>● #binder.APP_ID.FORM_DEF_ID.FIELD_ID[PRIMARY_KEY]#</li> <li>● #binder.FORM_DEF_ID.FIELD_ID#</li> <li>● #binder.FORM_DEF_ID.FIELD_ID[PRIMARY_KEY]#</li> <li>● #binder.options.APP_ID.FORM_DEF_ID.FIELD_ID#</li> <li>● #binder.options.APP_ID.FORM_DEF_ID.FIELD_ID[PRIMARY_KEY]#</li> <li>● #binder.options.FORM_DEF_ID.FIELD_ID#</li> <li>● #binder.options.FORM_DEF_ID.FIELD_ID[PRIMARY_KEY]#</li> </ul> |
|                   | <ul style="list-style-type: none"> <li>● ..</li> <li>● ..</li> <li>● ..</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                               |

|  |                                                                                                                                                                                                                                                                                                    |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <pre>#binder.addCard.title# #binder.cardViewer.addCard.title# #binder.cardViewer.addCard.title[b30bce20-c0a82095-14976e70-fded1735]# #binder.options.addCard.title# #binder.options.cardViewer.addCard.title# #binder.options.cardViewer.addCard.title[b30bce20-c0a82095-14976e70-fded1735]#</pre> |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| New Feature       |  |
|-------------------|--|
| Joget Workflow v6 |  |
|                   |  |

|  |                                                                                                                                                                                                                                                    |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |                                                                                                                                                                                                                                                    |
|  | appDef                                                                                                                                                                                                                                             |
|  | To retrieve App Definition information                                                                                                                                                                                                             |
|  | <ul style="list-style-type: none"> <li>● #appDef.appId#</li> <li>● #appDef.dateCreated#</li> <li>● #appDef.dateModified#</li> <li>● #appDef.version#</li> <li>● #appDef.license#</li> <li>● #appDef.name#</li> <li>● #appDef.published#</li> </ul> |
|  | <ul style="list-style-type: none"> <li>●</li> </ul>                                                                                                                                                                                                |
|  | :                                                                                                                                                                                                                                                  |
|  | #appDef.name#                                                                                                                                                                                                                                      |

|  |                                                                             |
|--|-----------------------------------------------------------------------------|
|  |                                                                             |
|  | i18n                                                                        |
|  |                                                                             |
|  | <ul style="list-style-type: none"> <li>● #i18n. <i>keyName</i> #</li> </ul> |
|  | <ul style="list-style-type: none"> <li>●</li> </ul>                         |

#i18n.logout#

The screenshot shows a localization management interface. At the top, there are tabs for 'Version 1' (highlighted in green), 'Published', 'Notes', 'Environment Variable', 'Message', and 'Plugin Default Properties'. Below this is a search bar with 'Filter By Locale' dropdown and a 'Search' input field. A table lists messages with columns for 'Key', 'Locale', and 'Message'. One entry, 'logout' in 'zh\_CN' locale with message '退出', is highlighted with a red box. The preview area below shows a simple application with a header '简单Simple App', a welcome message '#i18n.welcome# #date.EEE, d MMM yyyy#', and a logout link '#i18n.logout#'. The logout link is also highlighted with a red box. The footer of the preview shows the date '你好 星期二, 13 十月 2015' and a '退出' button, which is also highlighted with a red box.

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|  | performer                                                                                                                                                                                                                                                                                                                                                                                                                         |
|  | <ul style="list-style-type: none"> <li>● #performer.activityDefId.id#</li> <li>● #performer.activityDefId.username#</li> <li>● #performer.activityDefId.firstName#</li> <li>● #performer.activityDefId.lastName#</li> <li>● #performer.activityDefId.email#</li> <li>● #performer.activityDefId.active#</li> <li>● #performer.activityDefId.timeZone#</li> </ul>                                                                  |
|  | <ul style="list-style-type: none"> <li>●           <ol style="list-style-type: none"> <li>1.</li> <li>2.</li> <li>3.</li> </ol> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> <span style="color: #0070C0;">i</span> activityDefIdID“ ”; ID         </div> <div style="border: 2px solid red; padding: 5px; margin-top: 10px; text-align: center;"> <span style="color: red;">!</span> </div> </li> </ul> |
|  | <ul style="list-style-type: none"> <li>● #performer.runProcess.firstName#</li> <li>● #performer.submitLeave.firstName#</li> </ul>                                                                                                                                                                                                                                                                                                 |

|  |              |
|--|--------------|
|  |              |
|  | requestParam |
|  |              |

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <ul style="list-style-type: none"> <li>● <code>#requestParam.parameterName []#</code></li> <li>● <code>requestParam, ;“”</code></li> </ul>                                                                                                                                                                                                                                                                                                                                                             |
|  | ●                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|  | <ul style="list-style-type: none"> <li>● <code>#requestParam.key# UserView Key</code></li> <li>● <code>#requestParam.name[;]#“name”SQL“select * from expenses where title in#requestParam.title[;]#“select * fromwhere a,b,c”“where-in”</code></li> <li>● <ul style="list-style-type: none"> <li>○ <code>#requestParam.key#</code></li> <li>○ <code>#requestParam.userviewId#</code></li> <li>○ <code>#requestParam.menuId#</code></li> <li>○ <code>#requestParam.appId#</code></li> </ul> </li> </ul> |

|  |      |
|--|------|
|  |      |
|  | user |
|  |      |

- #user. *username*.id#
- #user. *username*.username#
- #user. *username*.firstName#
- #user. *username*.lastName#
- #user. *username*.email#
- #user. *username*.active#
- #user. *username*.timeZone#

Joget -

- #user. *username*.meta.KEY# (v6)

- #user. *username*.organization.id#
- #user. *username*.organization.name#
- #user. *username*.organization.description#

- #user. *username*.department.id#
- #user. *username*.department.name#
- #user. *username*.department.description#
- #user. *username*.department.treeStructure#

- #user. *username*.grade.id#
- #user. *username*.grade.name#
- #user. *username*.grade.description#
- #user. *username*.grade.organizationId#

#### HOD

- #user. *username*.hod.username#
- #user. *username*.hod.firstName#
- #user. *username*.hod.lastName#
- #user. *username*.hod.email#
- #user. *username*.hod.active#
- #user. *username*.hod.timeZone#

- #user. *username*.groups.id#
- #user. *username*.groups.name#

- #user. *username*.employee.code#
- #user. *username*.employee.jobTitle#
- #user. *username*.employee.isHod#

#### HOD

- #user. *username*.department.hod.username#
- #user. *username*.department.hod.firstName#
- #user. *username*.department.hod.lastName#
- #user. *username*.department.hod.email#
- #user. *username*.department.hod.active#
- #user. *username*.department.hod.timeZone#

- 

- #user.admin.email#
- #user.cat.firstName#
- #user.{requestParam.username}.email#url

## Userview Key

|  |                                                                          |
|--|--------------------------------------------------------------------------|
|  |                                                                          |
|  | userviewKey                                                              |
|  | <a href="#">Userview Key</a>                                             |
|  | <ul style="list-style-type: none"><li>●</li><li>● UserView Key</li></ul> |
|  | <ul style="list-style-type: none"><li>● #userviewKey#</li></ul>          |
|  | <ul style="list-style-type: none"><li>●</li><li>●</li></ul>              |

|  |                                                                                                                           |
|--|---------------------------------------------------------------------------------------------------------------------------|
|  |                                                                                                                           |
|  | variable                                                                                                                  |
|  | Process Flow                                                                                                              |
|  | <ul style="list-style-type: none"><li>● #variable.<i>variableName</i>#</li></ul>                                          |
|  | <ul style="list-style-type: none"><li>●<ul style="list-style-type: none"><li>1.</li><li>2.</li><li>3.</li></ul></li></ul> |
|  | #variable.approvalStatus#                                                                                                 |

|  |                           |
|--|---------------------------|
|  |                           |
|  | request                   |
|  | <b>HttpServletRequest</b> |

- #request.characterEncoding#
- #request.contextPath#
- #request.header.NAME#, NAME header .
- #request.locale#
- #request.method#
- #request.pathInfo#
- #request.protocol#
- #request.queryString#
- #request.remoteAddr#
- #request.requestURI#
- #request.requestURL#
- #request.requestedSessionId#
- #request.scheme#
- #request.serverName#
- #request.serverPort#
- #request.servletPath#

- AppHttpServletRequest

The screenshot shows a browser developer tools interface. The Network tab is selected, displaying a list of resources. One resource, 'new\_claim', is highlighted with a red box. The Headers section shows several headers, including 'Referer' which is highlighted with a red box and contains the value 'http://localhost:8080/jw/web/userview/hr\_expense/hr\_expense\_userview/\_new\_claim'. Another header, 'User-Agent', is highlighted with a blue box and contains the value 'Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/4'.

"Referer"

#### Hash Variable

```
#request.header.Referer#
```

#### New Feature

Joget Workflow v6

|  |          |
|--|----------|
|  |          |
|  | platform |
|  |          |

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <ul style="list-style-type: none"> <li>● #platform.name#</li> <li>● #platform.version#</li> <li>● #platform.jdbcDriver#</li> <li>● #platform.setting.dataFileBasePath#</li> <li>● #platform.setting.deadlineCheckerInterval#</li> <li>● #platform.setting.defaultUserview#</li> <li>● #platform.setting.fileSizeLimit#</li> <li>● #platform.setting.landingPage#</li> <li>● #platform.setting.systemDateFormat#</li> <li>● #platform.setting.systemLocale#</li> <li>● #platform.setting.systemTimeZone#</li> </ul> <p>Joget</p> <ul style="list-style-type: none"> <li>● #platform.license.name#</li> <li>● #platform.license.holder#</li> <li>● #platform.license.users#</li> <li>● #platform.license.appLimit#</li> <li>● #platform.license.expiry#</li> <li>● #platform.license.activated#</li> <li>● #platform.systemKey#</li> </ul> |
|  | ●                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

| New Feature       |
|-------------------|
| Joget Workflow v6 |

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|  | users                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|  | “;” .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|  | <ul style="list-style-type: none"> <li>● #users.group.GROUP_ID.username#</li> <li>● #users.group.GROUP_ID.firstName#</li> <li>● #users.group.GROUP_ID.lastName#</li> <li>● #users.group.GROUP_ID.fullName#</li> <li>● #users.group.GROUP_ID.email#</li> </ul> <ul style="list-style-type: none"> <li>● #users.grade.GRADE_ID.username#</li> <li>● #users.grade.GRADE_ID.firstName#</li> <li>● #users.grade.GRADE_ID.lastName#</li> <li>● #users.grade.GRADE_ID.fullName#</li> <li>● #users.grade.GRADE_ID.email#</li> </ul> <ul style="list-style-type: none"> <li>● #users.department.DEPARTMENT_ID.username#</li> <li>● #users.department.DEPARTMENT_ID.firstName#</li> <li>● #users.department.DEPARTMENT_ID.lastName#</li> <li>● #users.department.DEPARTMENT_ID.fullName#</li> <li>● #users.department.DEPARTMENT_ID.email#</li> </ul> <ul style="list-style-type: none"> <li>● #users.organization.ORGANIZATION_ID.username#</li> <li>● #users.organization.ORGANIZATION_ID.firstName#</li> <li>● #users.organization.ORGANIZATION_ID.lastName#</li> <li>● #users.organization.ORGANIZATION_ID.fullName#</li> <li>● #users.organization.ORGANIZATION_ID.email#</li> </ul> |
|  | ●                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

|  |                                                                                                                                                                                      |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | :                                                                                                                                                                                    |
|  | <ul style="list-style-type: none"> <li>● #users.group.{currentUser.groups.id}.fullName#</li> <li>● #users.department.D-005.username#</li> <li>● #users.group.G-001.email#</li> </ul> |
|  |                                                                                                                                                                                      |
|  |                                                                                                                                                                                      |

## Bean Shell

| New Feature       |                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Joget Workflow v6 |                                                                                                                                                                                                                                                                                                                                                                               |
|                   | BeanShell                                                                                                                                                                                                                                                                                                                                                                     |
|                   | bean shellURL                                                                                                                                                                                                                                                                                                                                                                 |
|                   | <ul style="list-style-type: none"> <li>● #beanshell.ENVIRONMENT_VARIABLE#</li> <li>● #beanshell.ENVIRONMENT_VARIABLE [PARAMETERS_URL_QUERY_STRING]#</li> </ul>                                                                                                                                                                                                                |
|                   | ●                                                                                                                                                                                                                                                                                                                                                                             |
|                   | <p>"username" "dept" "welcome"</p> <pre>if (username != null &amp;&amp; username.length == 1 &amp;&amp; !username[0].isEmpty()) {     return "Welcome " + username[0] + " (" + dept[0] + ")"; } else {     return ""; }</pre> <ul style="list-style-type: none"> <li>● #beanshell.welcome[username={currentUser.username}&amp;dept={currentUser.department.name}]#</li> </ul> |