



Better PDF Exporter for Jira Cloud

Expressions Reference Manual

<http://www.midori-global.com/products/better-pdf-exporter-for-jira/cloud/>

This document is a complete reference of the expressions to be used in the PDF templates created for the [Better PDF Exporter for Jira Cloud](#). You can use this both as a cheatsheet (just copy the references to your template!) and as a live test environment (modify and export this template). Remember to read the [customization tutorial](#), too!

Happy customizing!
— The Midori team

\$issue		
\$issue.affectedVersions	List of the affected versions .	
<pre>#foreach(\$affectedVersion in \$issue.affectedVersions) \$xmlutils.escape(\$affectedVersion.name) #if(\$velocityCount < \$issue.affectedVersions.size()), #end #end</pre>	Names of the affected versions.	Test Version 1 , Test Version 2
<pre>#foreach(\$affectedVersion in \$issue.affectedVersions) \$xmlutils.escape(\$affectedVersion.description) #if(\$velocityCount < \$issue.affectedVersions.size()), #end #end</pre>	Descriptions of the affected versions.	This is the description of "Test Version 1". , This is the description of "Test Version 2".
<pre>#foreach(\$affectedVersion in \$issue.affectedVersions) \$affectedVersion.id #if(\$velocityCount < \$issue.affectedVersions.size()), #end #end</pre>	Numeric identifiers of the affected versions.	10000 , 10001
<pre>#foreach(\$affectedVersion in \$issue.affectedVersions) \$affectedVersion.projectObject #if(\$velocityCount < \$issue.affectedVersions.size()), #end #end</pre>	Projects which the affected versions are created in. See \$project in this document for its properties.	
<pre>#foreach(\$affectedVersion in \$issue.affectedVersions) \$userDateTimeFormatter.withStyle(\$dateTimeStyle.DATE).format(\$affectedVersion.releaseDate) #if(\$velocityCount < \$issue.affectedVersions.size()), #end #end</pre>	Release dates of the affected versions.	18/Feb/19 , 14/Mar/19
<pre>#foreach(\$affectedVersion in \$issue.affectedVersions) \$xmlutils.escape(\$affectedVersion.sequence) #if(\$velocityCount < \$issue.affectedVersions.size()), #end #end</pre>	Index (sequence number) for manual ordering of the affected versions in the UI.	0 , 1
<pre>#foreach(\$affectedVersion in \$issue.affectedVersions) \$userDateTimeFormatter.withStyle(\$dateTimeStyle.DATE).format(\$affectedVersion.startDate) #if(\$velocityCount < \$issue.affectedVersions.size()), #end #end</pre>	Start dates of the affected versions.	02/Jan/19 , 21/Mar/19
<pre>#foreach(\$affectedVersion in \$issue.affectedVersions) \$affectedVersion.isArchived() #if(\$velocityCount < \$issue.affectedVersions.size()), #end #end</pre>	Whether the affected versions are archived (true) or not (false).	false , false
<pre>#foreach(\$affectedVersion in \$issue.affectedVersions) \$affectedVersion.isReleased() #if(\$velocityCount < \$issue.affectedVersions.size()), #end #end</pre>	Whether the affected versions are released (true) or not (false).	false , false
\$issue.assignee	User to whom the issue is currently assigned.	
<pre>\$xmlutils.escape(\$issue.assignee.displayName)</pre>	Display name (full name) of the assignee.	Aron Gombas [Midori]
<pre>\$xmlutils.escape(\$issue.assignee.emailAddress)</pre>	Email address of the assignee.	aron.gombas@midori-global.com
<pre>\$issue.assignee.isActive()</pre>	Whether the assignee is active (true) or inactive (false).	true
<pre>\$xmlutils.escape(\$issue.assignee.accountId)</pre>	Unique identifier of the assignee.	557058:7589d805-dae5-4259-abb4-f611ae66631b
\$issue.attachments	List of the attached files (including thumbnailed images and all other types).	
<pre>#foreach(\$attachment in \$issue.attachments) \$xmlutils.escape(\$attachment.authorAccountId) #if(\$velocityCount < \$issue.attachments.size()), #end #end</pre>	Unique identifiers of the attachment authors.	557058:52d2c05e-df64-4c2c-bbb6-bdc6acdf93
<pre>#foreach(\$attachment in \$issue.attachments) \$attachment.authorObject #if(\$velocityCount < \$issue.attachments.size()), #end #end</pre>	Users who attached the files. See \$user in this document for its properties.	
<pre>#foreach(\$attachment in \$issue.attachments) \$userDateTimeFormatter.withStyle(\$dateTimeStyle.COMPLETE).format(\$attachment.created) #if(\$velocityCount < \$issue.attachments.size()), #end #end</pre>	Date and time when the files were attached.	08/Feb/19 1:16 PM
<pre>#foreach(\$attachment in \$issue.attachments) \$xmlutils.escape(\$attachment.filename) #if(\$velocityCount < \$issue.attachments.size()), #end #end</pre>	File names of the attachments.	server200.jpg

<pre>#foreach(\$attachment in \$issue.attachments) \$attachment.filesize #if(\$velocityCount < \$issue.attachments.size()), #end #end</pre>	File sizes of the attachments (in bytes).	6441
<pre>#foreach(\$attachment in \$issue.attachments) \$attachment.id #if(\$velocityCount < \$issue.attachments.size()), #end #end</pre>	Numeric identifiers of the attachments.	10011
<pre>#foreach(\$attachment in \$issue.attachments) \$attachment.issueId #if(\$velocityCount < \$issue.attachments.size()), #end #end</pre>	Numeric identifiers of the issues that the files are attached to.	10025
<pre>#foreach(\$attachment in \$issue.attachments) \$attachment.issueObject #if(\$velocityCount < \$issue.attachments.size()), #end #end</pre>	Issues that the files are attached to. See \$issue in this document for its properties.	
<pre>#foreach(\$attachment in \$issue.attachments) \$attachment.mimetype #if(\$velocityCount < \$issue.attachments.size()), #end #end</pre>	MIME types of the attachments (e.g. "image/jpeg").	image/jpeg
<pre>#foreach(\$attachment in \$issue.attachments) \$attachment.isThumbailable() #if(\$velocityCount < \$issue.attachments.size()), #end #end</pre>	Whether the attachments can be displayed as thumbnail (true) or not (false).	true
<pre>#foreach(\$attachment in \$issue.attachments) \$attachment.isZip() #if(\$velocityCount < \$issue.attachments.size()), #end #end</pre>	Whether the attachments are ZIP files (true) or not (false).	false
<pre>\$issue.components</pre>	List of the related project components .	
<pre>#foreach(\$component in \$issue.components) \$component.assigneeType #if(\$velocityCount < \$issue.components.size()), #end #end</pre>	Assignee types of the components (0 for project default, 1 for component lead, 3 for unassigned).	3 , 0
<pre>#foreach(\$component in \$issue.components) \$component.componentLead #if(\$velocityCount < \$issue.components.size()), #end #end</pre>	Users who are the leads for the components. See \$user in this document for its properties.	
<pre>#foreach(\$component in \$issue.components) \$xmlutils.escape(\$component.description) #if(\$velocityCount < \$issue.components.size()), #end #end</pre>	Component descriptions.	This is the description of "Test Component 1". , This is the description of "Test Component 2".
<pre>#foreach(\$component in \$issue.components) \$component.id #if(\$velocityCount < \$issue.components.size()), #end #end</pre>	Numeric identifiers of the components.	10000 , 10001
<pre>#foreach(\$component in \$issue.components) \$xmlutils.escape(\$component.lead) #if(\$velocityCount < \$issue.components.size()), #end #end</pre>	Unique identifiers of the project leads for the components.	557058:52d2c05e-df64-4c2c-bbb6-bdc6acfdfe93 , 557058:7589d805-dae5-4259-abb4-f611ae66631b
<pre>#foreach(\$component in \$issue.components) \$xmlutils.escape(\$component.name) #if(\$velocityCount < \$issue.components.size()), #end #end</pre>	Names of the components.	Test Component 1 , Test Component 2
<pre>#foreach(\$component in \$issue.components) \$component.projectId #if(\$velocityCount < \$issue.components.size()), #end #end</pre>	Numeric identifiers of the projects the components belong to.	10001 , 10001
<pre>\$userDateTimeFormatter.withStyle(\$dateTimeStyle.COMPLETE).format(\$issue.created)</pre>	Creation date.	08/Feb/19 1:18 PM
<pre>\$issue.creator</pre>	User who created the issue.	
<pre>\$xmlutils.escape(\$issue.creator.displayName)</pre>	Display name (full name) of the creator.	Ferenc Nagy [Midori]
<pre>\$xmlutils.escape(\$issue.creator.emailAddress)</pre>	Email address of the creator.	ferenc.nagy@midori-global.com
<pre>\$issue.creator.isActive()</pre>	Whether the creator is active (true) or inactive (false).	true

<code>\$xmlutils.escape(\$issue.creator.accountId)</code>	Unique identifier of the creator.	557058:52d2c05e-df64-4c2c-bbb6-bdc6acfdfe93
<code>\$pdfRenderer.asRendered(\$issue, "description", \$issue.description)</code>	Issue description (in rendered format, for plain-text or wiki renderers).	Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book.
<code>\$userDateTimeFormatter.withDefaultZone().withStyle(\$dateTimeStyle.DATE).format(\$issue.dueDate)</code>	Date by which the issue is scheduled to be completed.	17/Jul/19
<code>\$pdfRenderer.asRendered(\$issue, "environment", \$issue.environment)</code>	Environment of the issue (e.g. hardware- and software versions).	It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout.
<code>\$xmlutils.escape(\$issue.estimateFormatted)</code>	Remaining estimate.	1 day, 5 hours, 15 minutes
<code>\$issue.fixVersions</code>	List of the fix versions .	
<code>#foreach(\$fixVersion in \$issue.fixVersions) \$xmlutils.escape(\$fixVersion.name) #ife(\$velocityCount < \$issue.fixVersions.size()), #end #end</code>	Names of the fix versions.	Test Version 1 , Test Version 2
<code>#foreach(\$fixVersion in \$issue.fixVersions) \$xmlutils.escape(\$fixVersion.description) #ife(\$velocityCount < \$issue.fixVersions.size()), #end #end</code>	Descriptions of the fix versions.	This is the description of "Test Version 1". , This is the description of "Test Version 2".
<code>#foreach(\$fixVersion in \$issue.fixVersions) \$fixVersion.id #ife(\$velocityCount < \$issue.fixVersions.size()), #end #end</code>	Numeric identifiers of the fix versions.	10000 , 10001
<code>#foreach(\$fixVersion in \$issue.fixVersions) \$fixVersion.projectObject #ife(\$velocityCount < \$issue.fixVersions.size()), #end #end</code>	Projects which the fix versions are created in. See \$project in this document for its properties.	
<code>#foreach(\$fixVersion in \$issue.fixVersions) \$userDateTimeFormatter.withStyle(\$dateTimeStyle.DATE).format(\$fixVersion.releaseDate) #ife(\$velocityCount < \$issue.fixVersions.size()), #end #end</code>	Release dates of the fix versions.	18/Feb/19 , 14/Mar/19
<code>#foreach(\$fixVersion in \$issue.fixVersions) \$xmlutils.escape(\$fixVersion.sequence) #ife(\$velocityCount < \$issue.fixVersions.size()), #end #end</code>	Orders in which the fix versions will appear in the UI.	0 , 1
<code>#foreach(\$fixVersion in \$issue.fixVersions) \$userDateTimeFormatter.withStyle(\$dateTimeStyle.DATE).format(\$fixVersion.startDate) #ife(\$velocityCount < \$issue.fixVersions.size()), #end #end</code>	Start dates of the fix versions.	05/Apr/19 , 17/Mar/19
<code>#foreach(\$fixVersion in \$issue.fixVersions) \$fixVersion.isArchived() #ife(\$velocityCount < \$issue.fixVersions.size()), #end #end</code>	Whether the fix versions are archived (true) or not (false).	false , false
<code>#foreach(\$fixVersion in \$issue.fixVersions) \$fixVersion.isReleased() #ife(\$velocityCount < \$issue.fixVersions.size()), #end #end</code>	Whether the fix versions are released (true) or not (false).	false , false
<code>\$issue.id</code>	Numeric identifier of the issue (e.g. 10003). Consider using the "key" field instead (e.g. "FOO-15").	10025
<code>\$issue.issueType</code>	Issue type .	
<code>\$xmlutils.escape(\$issue.issueType.name)</code>	Issue type name (not localized).	Task
<code>\$xmlutils.escape(\$issue.issueType.nameTranslation)</code>	Issue type name (localized).	Task
<code>\$xmlutils.escape(\$issue.key)</code>	Unique identifier for the issue, containing the project key and the issue number (e.g. "FOO-15").	TESTBT-26
<code>\$issue.labels</code>	List of the labels added to the issue.	
<code>#foreach(\$label in \$issue.labels) \$label.issue #ife(\$velocityCount < \$issue.labels.size()), #end #end</code>	Numeric identifiers of the issues that the labels are added to. See \$issue in this document for its properties.	10025 , 10025

<code>#foreach(\$label in \$issue.labels) \$label.label #ife(\$velocityCount < \$issue.labels.size()), #end #end</code>	Names of the labels.	test-label-1 , test-label-2
<code>\$xmlutils.escape(\$issue.originalEstimateFormatted)</code>	Original estimate.	2 days, 5 hours, 30 minutes
<code>\$issue.parentObject</code>	Parent issue (if the issue is a subtask). See <code>\$issue</code> in this document for its properties.	
<code>\$issue.priority</code>	Issue priority .	
<code>\$xmlutils.escape(\$issue.priority.name)</code>	Issue priority (not localized).	Low
<code>\$xmlutils.escape(\$issue.priority.nameTranslation)</code>	Issue priority (localized).	Low
<code>\$issue.projectObject</code>	Project that the issue belongs to. See <code>\$project</code> in this document for its properties.	
<code>\$issue.reporter</code>	User who reported the issue.	
<code>\$xmlutils.escape(\$issue.reporter.displayName)</code>	Display name (full name) of the reporter.	Ferenc Nagy [Midori]
<code>\$xmlutils.escape(\$issue.reporter.emailAddress)</code>	Email address of the reporter.	ferenc.nagy@midori-global.com
<code>\$issue.reporter.isActive()</code>	Whether the reporter is active (true) or inactive (false).	true
<code>\$issue.reporter.accountId</code>	Unique identifier of the reporter.	557058:52d2c05e-df64-4c2c-bbb6-bdc6acfdfe93
<code>\$issue.resolution</code>	Issue resolution .	
<code>\$xmlutils.escape(\$issue.resolution.name)</code>	Issue resolution name (not localized).	Done
<code>\$xmlutils.escape(\$issue.resolution.nameTranslation)</code>	Issue resolution name (localized).	Done
<code>\$userDateTimeFormatter.withStyle(\$dateTimeStyle.COMPLETE).format(\$issue.resolutionDate)</code>	Date and time on which the issue was resolved.	08/Feb/19 1:32 PM
<code>\$issue.status</code>	Issue status .	
<code>\$xmlutils.escape(\$issue.status.name)</code>	Issue status name (not localized).	Done
<code>\$xmlutils.escape(\$issue.status.nameTranslation)</code>	Issue status name (localized).	Done
<code>\$issue.subTaskObjects</code>	List of the subtasks (issues). See <code>\$issue</code> in this document for its properties.	
<code>\$xmlutils.escape(\$issue.summary)</code>	Issue summary.	Fields: For Reference Manual testing
<code>\$xmlutils.escape(\$issue.timeSpentFormatted)</code>	Total time spent on the issue.	1 day, 15 minutes
<code>\$userDateTimeFormatter.withStyle(\$dateTimeStyle.COMPLETE).format(\$issue.updated)</code>	Date and time on which the issue was last edited.	03/Apr/19 4:12 PM
<code>\$issue.votes</code>	Number of votes.	0
<code>\$issue.watches</code>	Number of watches (number of users who'll be notified on updates).	1
<code>\$issue.isSubTask()</code>	Whether this is a subtask (true) or a top-level issue (false).	false
<code>\$user (applicable to any user type object, like issue assignees, creators, etc.)</code>		
<code>\$xmlutils.escape(\$user.displayName)</code>	Display name (full name) of the user.	Ferenc Kiss [Midori]
<code>\$xmlutils.escape(\$user.emailAddress)</code>	Email address of the user.	ferenc.kiss@midori-global.com
<code>\$xmlutils.escape(\$user.accountId)</code>	Unique identifier of the user.	557058:7aa270ab-1c2a-4a23-8590-7b56bf6d9554
<code>\$user.isActive()</code>	Whether the user is active (true) or inactive (false).	true
<code>\$project</code>		
<code>\$project.assigneeType</code>	Default assignee of the issues in the project (0 for project default, 2 for project lead, 3 3 for unassigned).	
<code>\$xmlutils.escape(\$project.description)</code>	Project description.	This is the description of the "Test Bug Tracking" project.
<code>\$xmlutils.escape(\$project.email)</code>	Project email address from which email notifications are sent (or blank if there is no project-specific email address set).	
<code>\$project.id</code>	Numeric identifier of the project.	10001
<code>\$project.issueTypes</code>	List of the issue types for the project.	
<code>#foreach(\$issueType in \$project.issueTypes) \$xmlutils.escape(\$issueType.name) #ife(\$velocityCount < \$project.issueTypes.size()), #end #end</code>	Issue type names (not localized).	Improvement , Task , Sub-task , New Feature , Bug , Epic

<pre>#foreach(\$issueType in \$project.issueTypes) \$xmlutils.escape(\$issueType.nameTranslation) #if(\$velocityCount < \$project.issueTypes.size()), #end #end</pre>	Issue type names (localized).	Improvement , Task , Sub-task , New Feature , Bug , Epic
<pre>\$xmlutils.escape(\$project.key)</pre>	Unique identifier of the project.	TESTBT
<pre>\$xmlutils.escape(\$project.leadUserAccountId)</pre>	Unique identifier of the project lead.	557058:7589d805-dae5-4259-abb4-f611ae66631b
<pre>\$xmlutils.escape(\$project.leadUserDisplayName)</pre>	Display name (full name) of the project lead.	Aron Gombas [Midori]
<pre>\$xmlutils.escape(\$project.name)</pre>	Project name.	Test Bug Tracking
<pre>\$project.projectCategoryObject</pre>	Project category .	
<pre>\$xmlutils.escape(\$project.projectCategoryObject.description)</pre>	Description of the project category.	Provides test data for Jira Cloud apps.
<pre>\$project.projectCategoryObject.id</pre>	Numeric identifier of the project category.	10000
<pre>\$xmlutils.escape(\$project.projectCategoryObject.name)</pre>	Name of the project category.	Test Data
<pre>\$project.projectComponents</pre>	List of the project components .	
<pre>#foreach(\$component in \$project.projectComponents) \$component.assigneeType #if(\$velocityCount < \$project.projectComponents.size()), #end #end</pre>	Assignee types of the components (0 for project default, 1 for component lead, 3 for unassigned).	3 , 0 , 0
<pre>#foreach(\$component in \$project.projectComponents) \$component.componentLead #if(\$velocityCount < \$project.projectComponents.size()), #end #end</pre>	Users who are the leads for the components. See \$user in this document for its properties.	
<pre>#foreach(\$component in \$project.projectComponents) \$xmlutils.escape(\$component.description) #if(\$velocityCount < \$project.projectComponents.size()), #end #end</pre>	Component descriptions.	This is the description of "Test Component 1". , This is the description of "Test Component 2". , This is the description of "Test Component 3".
<pre>#foreach(\$component in \$project.projectComponents) \$component.id #if(\$velocityCount < \$project.projectComponents.size()), #end #end</pre>	Numeric identifiers of the components.	10000 , 10001 , 10002
<pre>#foreach(\$component in \$project.projectComponents) \$xmlutils.escape(\$component.lead) #if(\$velocityCount < \$project.projectComponents.size()), #end #end</pre>	Unique identifiers of the project leads for the components.	557058:52d2c05e-df64-4c2c-bbb6-bdc6acfdfe93 , 557058:7589d805-dae5-4259-abb4-f611ae66631b , 557058:7589d805-dae5-4259-abb4-f611ae66631b
<pre>#foreach(\$component in \$project.projectComponents) \$xmlutils.escape(\$component.name) #if(\$velocityCount < \$project.projectComponents.size()), #end #end</pre>	Names of the components.	Test Component 1 , Test Component 2 , Test Component 3
<pre>#foreach(\$component in \$project.projectComponents) \$component.projectId #if(\$velocityCount < \$project.projectComponents.size()), #end #end</pre>	Numeric identifiers of the projects that the components belong to.	10001 , 10001 , 10001
<pre>\$project.projectLead</pre>	User who is the leader of the project.	
<pre>\$xmlutils.escape(\$project.projectLead.displayName)</pre>	Display name (full name) of the project lead.	Aron Gombas [Midori]
<pre>\$project.projectLead.isActive()</pre>	Whether the project lead is active (true) or inactive (false).	true
<pre>\$xmlutils.escape(\$project.projectLead.accountId)</pre>	Unique identifier of the project lead.	557058:7589d805-dae5-4259-abb4-f611ae66631b
<pre>\$project.projectTypeKey</pre>	Unique identifier of the project type (project type key).	
<pre>\$xmlutils.escape(\$project.projectTypeKey.key)</pre>	Unique identifier of the project type.	software
<pre>\$xmlutils.escape(\$project.url)</pre>	Project URL.	https://midori-global.atlassian.net/browse/TESTBT
<pre>\$project.versions</pre>	List of the versions of the project.	
<pre>#foreach(\$version in \$project.versions) \$xmlutils.escape(\$version.name) #if(\$velocityCount < \$project.versions.size()), #end #end</pre>	Names of the versions.	Test Version 1 , Test Version 2 , Test Version 3
<pre>#foreach(\$version in \$project.versions) \$xmlutils.escape(\$version.description) #if(\$velocityCount < \$project.versions.size()), #end #end</pre>	Descriptions of the versions.	This is the description of "Test Version 1". , This is the description of "Test Version 2". ,

<code>#foreach(\$version in \$project.versions) \$version.id #if(\$velocityCount < \$project.versions.size()), #end #end</code>	Numeric identifiers of the versions.	10000 , 10001 , 10002
<code>#foreach(\$version in \$project.versions) \$version.projectObject #if(\$velocityCount < \$project.versions.size()), #end #end</code>	Projects that the versions relate to. See <code>\$project</code> in this document for its properties.	
<code>#foreach(\$version in \$project.versions) \$userDateTimeFormatter.withStyle(\$dateTimeStyle.DATE).format(\$version.releaseDate) #if(\$velocityCount < \$project.versions.size()), #end #end</code>	Release dates of the versions.	18/Feb/19 , 14/Mar/19 , 16/Apr/19
<code>#foreach(\$version in \$project.versions) \$xmlutils.escape(\$version.sequence) #if(\$velocityCount < \$project.versions.size()), #end #end</code>	Orders in which the versions will appear in the UI.	0 , 1 , 2
<code>#foreach(\$version in \$project.versions) \$userDateTimeFormatter.withStyle(\$dateTimeStyle.DATE).format(\$version.startDate) #if(\$velocityCount < \$project.versions.size()), #end #end</code>	Start dates of the versions.	18/Jan/19 , 03/Mar/19 , 08/Apr/19
<code>#foreach(\$version in \$project.versions) \$version.isArchived() #if(\$velocityCount < \$project.versions.size()), #end #end</code>	Whether the versions are archived (true) or not (false).	false , false , false
<code>#foreach(\$version in \$project.versions) \$version.isReleased() #if(\$velocityCount < \$project.versions.size()), #end #end</code>	Whether the versions are released (true) or not (false).	false , false , false
\$version (applicable to any version type object, like affected- and fix versions)		
<code>\$xmlutils.escape(\$version.description)</code>	Version description.	This is the description of "Test Version 1".
<code>\$version.id</code>	Numeric identifier of the version.	10000
<code>\$xmlutils.escape(\$version.name)</code>	Version name.	Test Version 1
<code>\$version.projectObject</code>	Project that the version belongs to. See <code>\$project</code> in this document for its properties.	
<code>\$version.projectId</code>	Identifier of the project that the version belongs to.	10001
<code>\$userDateTimeFormatter.withStyle(\$dateTimeStyle.DATE).format(\$version.releaseDate)</code>	Release date of the version.	18/Feb/19
<code>\$version.sequence</code>	Order in which the version will appear in the UI.	0
<code>\$userDateTimeFormatter.withStyle(\$dateTimeStyle.DATE).format(\$version.startDate)</code>	Start date of the version.	18/Jan/19
<code>\$version.isArchived()</code>	Whether the version is archived (true) or not (false).	false
<code>\$version.isReleased()</code>	Whether the version is released (true) or not (false).	false
\$attachment		
<code>\$xmlutils.escape(\$attachment.authorAccountId)</code>	Unique identifier of the attachment author.	557058:52d2c05e-df64-4c2c-bbb6-bdc6acfdfe93
<code>\$attachment.authorObject</code>	User who attached the file.	
<code>\$xmlutils.escape(\$attachment.authorObject.displayName)</code>	Display name (full name) of the attachment author.	Ferenc Nagy [Midori]
<code>\$xmlutils.escape(\$attachment.authorObject.emailAddress)</code>	Email address of the attachment author.	ferenc.nagy@midori-global.com
<code>\$attachment.authorObject.isActive()</code>	Whether the attachment author is active (true) or inactive (false).	true
<code>\$xmlutils.escape(\$attachment.authorObject.accountId)</code>	Unique identifier of the attachment author.	557058:52d2c05e-df64-4c2c-bbb6-bdc6acfdfe93
<code>\$userDateTimeFormatter.withStyle(\$dateTimeStyle.COMPLETE).format(\$attachment.created)</code>	Date and time when the file was attached.	08/Feb/19 1:16 PM
<code>\$xmlutils.escape(\$attachment.filename)</code>	File name of the attachment.	server200.jpg
<code>\$attachment.filesize</code>	File size of the attachment (in bytes).	6441
<code>\$attachment.id</code>	Numeric identifier of the attachment.	10011
<code>\$attachment.issue</code>	Issue that the file is attached to. See <code>\$issue</code> in this document for its properties. <code>\$attachment.issueObject</code> should be used instead.	
<code>\$attachment.issueId</code>	Numeric identifier of the issue that the file is attached to.	10025

<code>\$attachment.issueObject</code>	Issue that the file is attached to. See <code>\$issue</code> in this document for its properties.	
<code>\$xmlutils.escape(\$attachment.mimetype)</code>	MIME type of the attachment (e.g. "image/jpeg").	image/jpeg
<code>\$attachment.isThumbnaillable()</code>	Whether the attachment can be displayed as thumbnail (typically image attachments) (true) or not (false).	true
\$worklog		
<code>\$xmlutils.escape(\$worklog.authorAccountId)</code>	Unique identifier of the worklog author.	557058:52d2c05e-df64-4c2c-bbb6-bdc6acfdfe93
<code>\$worklog.authorObject</code>	User who created the worklog.	
<code>\$xmlutils.escape(\$worklog.authorObject.displayName)</code>	Display name (full name) of the worklog author.	Ferenc Nagy [Midori]
<code>\$xmlutils.escape(\$worklog.authorObject.emailAddress)</code>	Email address of the worklog author.	ferenc.nagy@midori-global.com
<code>\$worklog.authorObject.isActive()</code>	Whether the worklog author is active (true) or inactive (false).	true
<code>\$xmlutils.escape(\$worklog.authorObject.accountId)</code>	Unique identifier of the worklog author.	557058:52d2c05e-df64-4c2c-bbb6-bdc6acfdfe93
<code>\$pdfRenderer.asRendered(\$issue, "worklog comment", \$worklog.comment)</code>	Worklog comment.	The standard chunk of Lorem Ipsum used since the 1500s is reproduced below for those interested.
<code>\$userDateTimeFormatter.withStyle(\$dateTimeStyle.COMPLETE).format(\$worklog.created)</code>	Date and time when the worklog was created.	08/Feb/19 1:24 PM
<code>\$xmlutils.escape(\$worklog.groupLevel)</code>	Group level visibility of the worklog. Only users in this group can see the worklog (e.g. "jira-developers").	jira-administrators
<code>\$worklog.id</code>	Numeric identifier of the worklog.	10263
<code>\$worklog.issue</code>	Issue that the worklog belongs to. See <code>\$issue</code> in this document for its properties.	
<code>\$worklog.roleLevel</code>	Role level visibility of the worklog. Only users with this project role can see the worklog (e.g. "Administrators").	
<code>\$xmlutils.escape(\$worklog.roleLevel.name)</code>	Name of the project role.	Test Role
<code>\$userDateTimeFormatter.withStyle(\$dateTimeStyle.COMPLETE).format(\$worklog.startDate)</code>	Date and time when the work to be logged was started.	08/Feb/19 1:24 PM
<code>\$xmlutils.escape(\$worklog.timeSpentFormatted)</code>	Time spent on the work.	1d 15m
<code>\$xmlutils.escape(\$worklog.updateAuthorAccountId)</code>	Unique identifier of the user who made the latest update on the worklog.	557058:52d2c05e-df64-4c2c-bbb6-bdc6acfdfe93
<code>\$worklog.updateAuthorObject</code>	User who made the latest update on the worklog.	
<code>\$xmlutils.escape(\$worklog.updateAuthorObject.displayName)</code>	Display name (full name) of the worklog updater.	Ferenc Nagy [Midori]
<code>\$xmlutils.escape(\$worklog.updateAuthorObject.emailAddress)</code>	Email address of the worklog updater.	ferenc.nagy@midori-global.com
<code>\$worklog.updateAuthorObject.isActive()</code>	Whether the worklog updater is active (true) or inactive (false).	true
<code>\$xmlutils.escape(\$worklog.updateAuthorObject.accountId)</code>	Unique identifier of the worklog updater.	557058:52d2c05e-df64-4c2c-bbb6-bdc6acfdfe93
<code>\$userDateTimeFormatter.withStyle(\$dateTimeStyle.COMPLETE).format(\$worklog.updated)</code>	Date and time of latest update.	08/Feb/19 1:24 PM
\$comment		
<code>\$comment.authorApplicationUser</code>	User who written the comment.	
<code>\$xmlutils.escape(\$comment.authorApplicationUser.displayName)</code>	Display name (full name) of the comment author.	Ferenc Nagy [Midori]
<code>\$xmlutils.escape(\$comment.authorApplicationUser.emailAddress)</code>	Email address of the comment author.	ferenc.nagy@midori-global.com
<code>\$comment.authorApplicationUser.isActive()</code>	Whether the comment author is active (true) or inactive (false).	true
<code>\$xmlutils.escape(\$comment.authorApplicationUser.accountId)</code>	Unique identifier of the comment author.	557058:52d2c05e-df64-4c2c-bbb6-bdc6acfdfe93
<code>\$xmlutils.escape(\$comment.authorFullName)</code>	Display name (full name) of the comment author.	Ferenc Nagy [Midori]
<code>\$pdfRenderer.asRendered(\$issue, "comment", \$comment.body)</code>	Comment body text.	Contrary to popular belief, Lorem Ipsum is not simply random text. It has roots in a piece of classical Latin literature from 45 BC, making it over 2000 years old.
<code>\$userDateTimeFormatter.withStyle(\$dateTimeStyle.COMPLETE).format(\$comment.created)</code>	Creation date.	08/Feb/19 1:23 PM
<code>\$xmlutils.escape(\$comment.groupLevel)</code>	Group level visibility of the comment. Only users in this group can see the worklog (e.g. "jira-developers").	jira-software-users
<code>\$comment.id</code>	Numeric identifier of the comment.	10265
<code>\$comment.issue</code>	Issue that the comment belongs to. See <code>\$issue</code> in this document for its properties.	
<code>\$comment.roleLevel</code>	Role level visibility of the comment. Only users with this project role can see the worklog (e.g. "Administrators").	
<code>\$xmlutils.escape(\$comment.roleLevel.name)</code>	Name of the project role.	

<code>\$comment.updateAuthorApplicationUser</code>	User who made the latest update.	
<code>\$xmlutils.escape(\$comment.updateAuthorApplicationUser.displayName)</code>	Display name (full name) of the comment editor.	Ferenc Nagy [Midori]
<code>\$xmlutils.escape(\$comment.updateAuthorApplicationUser.emailAddress)</code>	Email address of the comment editor.	ferenc.nagy@midori-global.com
<code>\$comment.updateAuthorApplicationUser.isActive()</code>	Whether the comment editor is active (true) or inactive (false).	true
<code>\$xmlutils.escape(\$comment.updateAuthorApplicationUser.accountId)</code>	Unique identifier of the comment editor.	557058:52d2c05e-df64-4c2c-bbb6-bdc6acfdfe93
<code>\$xmlutils.escape(\$comment.updateAuthorFullName)</code>	Full name of the comment editor.	Ferenc Nagy [Midori]
<code>\$userDateTimeFormatter.withStyle(\$dateTimeStyle.COMPLETE).format(\$comment.updated)</code>	Date and time of latest update.	03/Apr/19 4:12 PM
\$changeHistory		
<code>\$xmlutils.escape(\$changeHistory.authorDisplayName)</code>	Display name (full name) of the author of the change.	Ferenc Nagy [Midori]
<code>\$xmlutils.escape(\$changeHistory.authorAccountId)</code>	Unique identifier of the author of the change.	557058:52d2c05e-df64-4c2c-bbb6-bdc6acfdfe93
<code>\$changeHistory.authorObject</code>	User who made the changes.	
<code>\$xmlutils.escape(\$changeHistory.authorObject.displayName)</code>	Display name (full name) of the author of the change.	Ferenc Nagy [Midori]
<code>\$xmlutils.escape(\$changeHistory.authorObject.emailAddress)</code>	Email address of the author of the change.	ferenc.nagy@midori-global.com
<code>\$changeHistory.authorObject.isActive()</code>	Whether the author of the change is active (true) or inactive (false).	true
<code>\$xmlutils.escape(\$changeHistory.authorObject.accountId)</code>	Unique identifier of the author of the change.	557058:52d2c05e-df64-4c2c-bbb6-bdc6acfdfe93
\$changeHistory.changeItemBeans		
<code>#foreach(\$changeItemBean in \$changeHistory.changeItemBeans)</code> <code>\$userDateTimeFormatter.withStyle(\$dateTimeStyle.COMPLETE).format(\$changeItemBean.created)</code> <code>#if(\$velocityCount < \$changeHistory.changeItemBeans.size()), #end</code> <code>#end</code>	Date and time of the change.	08/Feb/19 1:18 PM
<code>#foreach(\$changeItemBean in \$changeHistory.changeItemBeans)</code> <code>\$xmlutils.escape(\$changeItemBean.fieldId)</code> <code>#if(\$velocityCount < \$changeHistory.changeItemBeans.size()), #end</code> <code>#end</code>	ID of the changed field (e.g. "status" or "customfield_10000").	
<code>#foreach(\$changeItemBean in \$changeHistory.changeItemBeans)</code> <code>\$xmlutils.escape(\$changeItemBean.field)</code> <code>#if(\$velocityCount < \$changeHistory.changeItemBeans.size()), #end</code> <code>#end</code>	Changed field.	Link
<code>#foreach(\$changeItemBean in \$changeHistory.changeItemBeans)</code> <code>\$xmlutils.escape(\$changeItemBean.fieldType)</code> <code>#if(\$velocityCount < \$changeHistory.changeItemBeans.size()), #end</code> <code>#end</code>	Type of the changed field.	jira
<code>#foreach(\$changeItemBean in \$changeHistory.changeItemBeans)</code> <code>\$xmlutils.escape(\$changeItemBean.from)</code> <code>#if(\$velocityCount < \$changeHistory.changeItemBeans.size()), #end</code> <code>#end</code>	Value before the change. See also <code>\$changeItemBean.fromString</code>	
<code>#foreach(\$changeItemBean in \$changeHistory.changeItemBeans)</code> <code>\$xmlutils.escape(\$changeItemBean.fromString)</code> <code>#if(\$velocityCount < \$changeHistory.changeItemBeans.size()), #end</code> <code>#end</code>	Value before the change. See also <code>\$changeItemBean.from</code>	
<code>#foreach(\$changeItemBean in \$changeHistory.changeItemBeans)</code> <code>\$xmlutils.escape(\$changeItemBean.to)</code> <code>#if(\$velocityCount < \$changeHistory.changeItemBeans.size()), #end</code> <code>#end</code>	Value after the change. See also <code>\$changeItemBean.toString</code>	TESTBT-5
<code>#foreach(\$changeItemBean in \$changeHistory.changeItemBeans)</code> <code>\$xmlutils.escape(\$changeItemBean.toString)</code> <code>#if(\$velocityCount < \$changeHistory.changeItemBeans.size()), #end</code> <code>#end</code>	Value after the change. See also <code>\$changeItemBean.to</code>	This issue relates to TESTBT-5
<code>\$changeHistory.id</code>	Numeric identifier of the change.	10505
<code>\$changeHistory.issue</code>	Issue that the change belongs to. See <code>\$issue</code> in this document for its properties.	
<code>\$changeHistory.issueId</code>	Numeric identifier of the issue that the change belongs to.	10025
<code>\$userDateTimeFormatter.withStyle(\$dateTimeStyle.COMPLETE).format(\$changeHistory.timePerformed)</code>	Date and time of the change.	08/Feb/19 1:18 PM
\$thumbnail		
<code>\$thumbnail.attachmentId</code>	Numeric identifier of the attachment for which this is a thumbnail of.	10011
<code>\$xmlutils.escape(\$thumbnail.filename)</code>	File name of the file this thumbnail represents.	server200.jpg

<code>\$xmlutils.escape(\$thumbnail.mimeType.toString())</code>	MIME type of the thumbnail (e.g. "image/jpeg").	image/png
\$issueLink		
<code>\$issueLink.destinationId</code>	Identifier of the linked-to issue.	10004
<code>\$issueLink.destinationObject</code>	Destination issue of the issue link. See <code>\$issue</code> in this document for its properties.	
<code>\$issueLink.id</code>	Issue link identifier.	10030
<code>\$issueLink.issueLinkType</code>	Issue link type .	
<code>\$issueLink.issueLinkType.id</code>	Numeric identifier of the issue link type.	10201
<code>\$xmlutils.escape(\$issueLink.issueLinkType.inward)</code>	Inward name of the issue link type (e.g. "is duplicated by").	is caused by
<code>\$xmlutils.escape(\$issueLink.issueLinkType.name)</code>	Name of the issue link type.	Problem/Incident
<code>\$xmlutils.escape(\$issueLink.issueLinkType.outward)</code>	Outward name of the issue link type (e.g. "duplicates").	causes
<code>\$issueLink.linkTypeId</code>	Numeric identifier of the link type.	10201
<code>\$issueLink.sequence</code>	Order in which the issue link will appear in the UI.	1
<code>\$issueLink.sourceId</code>	Numeric identifier of the source issue of the issue link.	10025
<code>\$issueLink.sourceObject</code>	Source issue of the issue link. See <code>\$issue</code> in this document for its properties.	
\$remotelIssueLink		
<code>\$xmlutils.escape(\$remotelIssueLink.applicationName)</code>	Name of the remote application instance that contains the remote object.	My Acme Tracker
<code>\$xmlutils.escape(\$remotelIssueLink.applicationType)</code>	Type of remote application that we are linking with.	com.acme.tracker
<code>\$xmlutils.escape(\$remotelIssueLink.globalId)</code>	Numeric identifier of the object in the remote application.	system=http://www.mycompany.com/support&id=1
<code>\$xmlutils.escape(\$remotelIssueLink.iconTitle)</code>	Tool tip text for the icon.	Support Ticket
<code>\$xmlutils.escape(\$remotelIssueLink.iconUrl)</code>	URL for the icon which represents the remote object.	https://66.media.tumblr.com/5ec2f91019394679322dee15684... tumblr_inline_p7gih38OHT1snulow_75sq.png
<code>\$remotelIssueLink.id</code>	Numeric identifier of the link.	10005
<code>\$xmlutils.escape(\$remotelIssueLink.relationship)</code>	Relationship between the issue and the remote object.	causes
<code>\$xmlutils.escape(\$remotelIssueLink.summary)</code>	Summary of the remote object.	Crazy customer support issue
<code>\$xmlutils.escape(\$remotelIssueLink.title)</code>	Title of the remote object.	TSTSUP-111
<code>\$xmlutils.escape(\$remotelIssueLink.url)</code>	URL to the object in the remote application.	http://www.mycompany.com/support?id=1
#cfValue() macro for custom field values		
<code>#cfValue(\$issue.getCustomField("customfield_10045"))</code>	Formatted value of the custom field with the numeric identifier 10045.	08/Feb/19
<code>#cfValue(\$customFieldManager.getCustomFieldObjectByName("Story Points"))</code>	Formatted value of the custom field with the name "Story Points" (assumes that the issue is available as <code>\$issue</code>).	3
<code>#set(\$customFields = \$customFieldManager.getCustomFieldObjects(\$issue)) #if(!\$customFields.empty) #foreach(\$customField in \$customFields) \$xmlutils.escape(\$customField.name): #cfValue(\$customField) #end #end</code>	Formatted value of all custom fields associated with the issue.	Story Points: 3 Test "Days since last comment": 08/Feb/19 Test "Domain of Assignee": midori-global.com Test "Domain of Reporter": midori-global.com Test "Global Rank": 1j0005j: Test "Group Picker (multiple groups)": Test "Last commented by a User Flag": true Test "Last public comment date": 08/Feb/19 1:18 PM Test "Number of attachments": 1 Test "Number of comments": 1 Test "Project Picker (single project)": Test "Version Picker (multiple versions)":