

# Versions

## Overview

The **expression parser** offers multiple functions to retrieve **version related** field values.

## Available functions

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Function	Input	Returned value
<b>unreleasedVersions()</b>		Returns a <b>STRING []</b> with unreleased version names of current issue's project. Returned versions may be archived. Example: <code>toStringList(%{...versions})</code> <b>any in unreleasedVersions()</b> validates that at least one affected version is unreleased.
<b>unreleasedVersions(string projects)</b>	<b>STRING</b>	Returns a <b>STRING []</b> with unreleased version names of projects in argument <b>projects</b> . Returned versions may be archived. Arguments <b>projects</b> is a comma separated list of <b>project keys</b> or <b>project names</b> .
<b>releasedVersions()</b>		Returns a <b>STRING []</b> with released version names of current issue's project. Returned versions may be archived. Example: <code>toStringList(%{...fixVersions})</code> <b>in releasedVersions()</b> validates that all fixed versions are released.
<b>releasedVersions(string projects)</b>	<b>STRING</b>	Returns a <b>STRING []</b> with released version names of projects in argument <b>projects</b> . Returned versions may be archived. Arguments <b>projects</b> is a comma separated list of <b>project keys</b> or <b>project names</b> . Example: <code>toStringList(^%{...fixVersions})</code> <b>in releasedVersions(^%{...projectKey})</b> validates that all fixed versions of a foreign issue are released.
<b>releaseDates(string versions)</b>	<b>STRING</b>	Returns a <b>NUMBER []</b> with the release dates for versions in string <b>versions</b> for current issues project. Parameter <b>versions</b> is a comma separated list of version names. Example: <code>releaseDates(%{...fixVersions})</code> returns the list of release dates for <b>Fix Version/s</b> .
<b>releaseDates(string versions, string projects)</b>	<b>STRING</b>	Returns a <b>NUMBER []</b> with the release dates for versions in string <b>versions</b> for projects in parameter <b>projects</b> . Parameter <b>versions</b> is a comma separated list of version names. Parameter <b>projects</b> is a comma separated list of project keys or project names. Example: <code>releaseDates(%{...versions}, "CRM")</code> returns the list of release dates for affected versions for project with key <b>"CRM"</b> .
<b>startDates(string versions)</b>	<b>STRING</b>	Returns a <b>NUMBER []</b> with the start dates for versions in string <b>versions</b> for current issues project. Parameter <b>versions</b> is a comma separated list of version names. Example: <code>startDates(%{...fixVersions})</code> returns the list of start dates for fixed versions.
<b>startDates(string versions, string projects)</b>	<b>STRING</b>	Returns a <b>NUMBER []</b> with the start dates for versions in string <b>versions</b> for projects in parameter <b>projects</b> . Parameter <b>versions</b> is a comma separated list of version names. Parameter <b>projects</b> is a comma separated list of project keys or project names. Example: <code>startDates(%{...versions}, "CRM")</code> returns the list of start dates for affected versions for project with key <b>"CRM"</b> .

<b>archivedVersions()</b>		Returns a <code>STRING []</code> with released version names of current issue's project. Returned versions may be archived.
<b>archivedVersions(string projects)</b>	STRING	Returns a <code>STRING []</code> with released version names of projects in argument <b>projects</b> . Returned versions may either released or unreleased. Arguments <b>projects</b> is a comma separated list of <b>project keys</b> or <b>project names</b> .
<b>latestReleasedVersion()</b>		Returns <code>STRING</code> with the name of the latest released version in current issue's project. Example: <code>latestReleasedVersion()</code> in <code>archivedVersions()</code> validates that the latest released version in current issue's project is archived.
<b>latestReleasedVersion(string projects)</b>	STRING	Returns <code>STRING []</code> with the name of the latest released version among projects in argument <b>projects</b> .  Returned versions may either released or unreleased. Arguments <b>projects</b> is a comma separated list of <b>project keys</b> or <b>project names</b> .
<b>latestReleasedUnarchivedVersion(string projects)</b>	STRING	Returns <code>STRING []</code> with the name of the latest released version excluding archived ones for projects in argument <b>projects</b> . Returned versions may either released or unreleased. Arguments <b>projects</b> is a comma separated list of <b>project keys</b> or <b>project names</b> .
<b>earliestUnreleasedVersion()</b>		Returns <code>STRING</code> with the name of the earliest unreleased version in current issue's project. Example: <code>earliestUnreleasedVersion()</code> not in <code>archivedVersions()</code> validates that earliest unreleased version in current issue's project is not archived.
<b>earliestUnreleasedVersion(string projects)</b>	STRING	Returns <code>STRING []</code> with the name of the earliest unreleased version among projects in argument <b>projects</b> . Returned versions may either released or unreleased. Arguments <b>projects</b> is a comma separated list of <b>project keys</b> or <b>project names</b> .
<b>earliestUnreleasedUnarchivedVersion()</b>		Returns <code>STRING</code> with the name of the earliest unreleased version in current issue's project excluding archived ones.
<b>earliestUnreleasedUnarchivedVersion(string projects)</b>	STRING	Returns <code>STRING []</code> with the name of the earliest unreleased version excluding archived ones for projects in argument <b>projects</b> . Returned versions may either released or unreleased. Arguments <b>projects</b> is a comma separated list of <b>project keys</b> or <b>project names</b> .
<b>unreleasedVersionsBySequence()</b>  Available since version 1.1.0		Returns a <code>STRING []</code> with the unreleased versions in <b>the current project</b> with the default order. Only non-archived versions are returned. The first version in the list is the lowermost version in the version table.
<b>releasedVersionsBySequence()</b>  Available since version 1.1.0		Returns a <code>STRING []</code> with the released versions in <b>the current project</b> with the default order. Only non-archived versions are returned. The first version in the list is the lowermost version in the version table.