

JWT Release Notes 2.2.7

[2016-02-01] Released [Jira Workflow Toolbox 2.2.7](#)

New Features

- Added 2 new functions to the parser:

FUNCTION	RETURNED VALUE
usersWhoTransitioned (string origin_status , string destination_status) : string list	returns a <i>string list</i> with the names of the users who transitioned current issue from origin_status to destination_status , order ascending by time. An empty string as argument is interpreted as <i>any status</i> . Example: last(usersWhoTransitioned("Open", "In Progress")) returns the name of the user who executed transition "Start Progress" more recently. Assign issue to last user who executed a certain transition in the workflow
usersWhoTransitioned (string origin_status , string destination_status , string issue_key) : string list	returns a <i>string list</i> with the names of the users who transitioned current issue from origin_status to destination_status , order ascending by time. An empty string as argument is interpreted as <i>any status</i> . Example: count(usersWhoTransitioned("Open", "In Progress", %{00041})) returns the number of times transition "Start Progress" has been executed in parent issue.
timesOfTransition (string origin_status , string destination_status) : string list	Returns a <i>number list</i> with the times when current issue was transitioned from origin_status to destination_status , order ascending by time. An empty string as argument is interpreted as <i>any status</i> . Example: last(timesOfTransition("", "Resolved")) returns the most recent time when the issue was resolved.
timesOfTransition (string origin_status , string destination_status , string issue_key) : string list	Returns a <i>number list</i> with the times when issue with key issue_key was transitioned from origin_status to destination_status , order ascending by time. An empty string as argument is interpreted as <i>any status</i> . Example: first(usersWhoTransitioned("Closed", "", %{00041})) returns the first time when parent issue was reopened.
addTimeSkippingWeekends (number t , number timeToBeAdded , time time_zone) : number	Adds timeToBeAdded to t with the difference that weekends don't count in the sum, e.g., if t represents a date-time which coincides with a Saturday, adding timeToBeAdded = 2 * { <i>HOURL</i> } will return a date-time for next Monday at 02:00. Use negative values at timeToBeAdded for subtracting time from t .
addTimeSkippingWeekends (number t , number timeToBeAdded , time time_zone , number beginning_of_weekend , number end_of_weekend) : number	Same as previous function, but with a custom defined weekend. Arguments beginning_of_weekend and end_of_weekend take values { <i>MONDAY</i> }, { <i>TUESDAY</i> } ... { <i>SUNDAY</i> }. Example of usage for adding 12 hours to <i>Current date and time</i> using Israeli weekend: addTimeSkippingWeekends({00057}, 12 * { <i>HOURL</i> }, <i>LOCAL</i> , { <i>FRIDAY</i> }, { <i>SATURDAY</i> }), being {00057} field code for <i>Current date and time</i> .
addDaysSkippingWeekends (number t , number n , time time_zone , number beginning_of_weekend , number end_of_weekend) : number	Same as previous function, but with a custom defined weekend. Arguments beginning_of_weekend and end_of_weekend take values { <i>MONDAY</i> }, { <i>TUESDAY</i> } ... { <i>SUNDAY</i> }. Example of usage for adding 10 workdays to <i>Due date</i> using Israeli weekend: addDaysSkippingWeekends({00012}, 10, <i>LOCAL</i> , { <i>FRIDAY</i> }, { <i>SATURDAY</i> }), being {00012} field code for <i>Due date</i> .
subtractDatesSkippingWeekends (number minuend_date , number subtrahend_date , time time_zone , number beginning_of_weekend , number end_of_weekend) : number	Same as previous function, but with a custom defined weekend. Arguments beginning_of_weekend and end_of_weekend take values { <i>MONDAY</i> }, { <i>TUESDAY</i> } ... { <i>SUNDAY</i> }. Example of usage calculating the worktime from <i>Creation</i> to <i>Resolution</i> using Israeli weekend: subtractDatesSkippingWeekends({00112}, {00009}, <i>LOCAL</i> , { <i>FRIDAY</i> }, { <i>SATURDAY</i> }), being {00112} field code for <i>Resolution date and time</i> , and {00009} field code for <i>Creation date and time</i> .
acos (number x) : number	Returns the arc cosine of x ; the returned angle is in the range 0.0 through pi.
asin (number x) : number	Returns the arc sine of x ; the returned angle is in the range 0.0 through pi.
atan (number x) : number	Returns the arc tangent of x ; the returned angle is in the range 0.0 through pi.
cbrt (number x) : number	Returns the cube root of x .
cos (number x) : number	Returns the trigonometric cosine of angle x expressed in radians.
cosh (number x) : number	Returns the hyperbolic cosine of x .
log (number x) : number	Returns the natural logarithm (base e) of x .
log10 (number x) : number	Returns the base 10 logarithm of x .
modulus (number dividend , number divisor) : number	Returns dividend - (divisor * floor(dividend / divisor)).
sin (number x) : number	Returns the trigonometric sine of angle x expressed in radians.
sinh (number x) : number	Returns the hyperbolic sine of x .
tan (number x) : number	Returns the trigonometric tangent of angle x expressed in radians.
tanh (number x) : number	Returns the hyperbolic tangent of x .
toDegrees (number x) : number	Converts an angle x measured in radians to an approximately equivalent angle measured in degrees.
toRadians (number x) : number	Converts an angle x measured in degrees to an approximately equivalent angle measured in radians.
filledInTransitionScreen (%{nnnnn}) : boolean	Returns <i>true</i> only if selected field has an actual value in current transition's screen. Example: filledInTransitionScreen*(*{00003}) returns <i>true</i> only if the field <i>Assignee</i> was present in the transition screen and contained a value at the moment of submitting the form.

- [Issue #236](#)
- [Issue #220](#)
- [Issue #195](#)
- [Issue #223](#)

Improvements

- Minor UI improvements.

Bug Fixes

- Virtual field **New labels** failed when it was written with a string containing blank space separated labels. It tried to create a single label containing spaces, which is forbidden in Jira.
- Virtual field **Date and time of resolution** was not returning a value under certain circumstances.
- [Issue #231](#) - Error in description of function **indexOf()**