

# JWT Release Notes 2.3.3

[2018-03-20] Released [JIRA Workflow Toolbox 2.3.3](#)

## New features

- New parser functions

Function	Returned value
<b>dateTime</b> (number <b>year</b> , number <b>month</b> , number <b>dayOfMonth</b> , number <b>hourOfDay</b> , number <b>minute</b> , timeZone <b>time_zone</b> ) : number	This function is used for obtaining a date-time literal value from a set of numeric values representing a date-time timestamp. Example: <code>dateTime(2018, 03, 25, 23, 15, LOCAL)</code> returns 2018/03/25 23:15.
<b>daysInTheMonth</b> (number <b>t</b> , timeZone <b>time_zone</b> ) : number	Returns the number of days in the month of timestamp <b>t</b> in timezone <b>time_zone</b> . Example: <code>daysInTheMonth(2016/02/28 00:00, LOCAL)</code> returns 29, taking into account that 2016 is a leap year.
<b>lastDayOfTheMonth</b> (number <b>t</b> , timeZone <b>time_zone</b> ) : number	Returns the timestamp for the last day of the month of timestamp <b>t</b> in timezone <b>time_zone</b> . The timestamp returned is at <b>00:00</b> , i.e., just the beginning of the day. Example: <code>lastDayOfTheMonth(2017/02/05 11:31, LOCAL)</code> returns 2017/02/28 00:00.
<b>nextDayOfTheWeek</b> (number <b>t</b> , number <b>dayOfWeek</b> , timeZone <b>time_zone</b> ) : number	Returns the timestamp for the next day of the week represented by <b>dayOfWeek</b> since timestamp <b>t</b> in timezone <b>time_zone</b> . The timestamp returned is at <b>00:00</b> , i.e., just the beginning of the day. Example: <code>nextDayOfTheWeek(2018/03/01 12:31, {SUNDAY}, LOCAL)</code> returns 2018/03/04 00:00, taking into account that 2018/03/01 is Thursday. Example: <code>nextDayOfTheWeek(2018/03/01 12:31, {THURSDAY}, LOCAL)</code> returns 2018/03/08 00:00.
<b>timeLogged</b> (issue list <b>issues</b> ) : number	Returns the sum of all the time logged in <b>issues</b> in milliseconds. Example: <code>timeLogged(subtasks())</code> returns the sum of time logged in current issue's sub-tasks in milliseconds.
<b>timeLogged</b> (issue list <b>issues</b> , number <b>datetime_ini</b> , number <b>datetime_end</b> ) : number	Returns the sum of all the time logged in <b>issues</b> in time interval defined by timestamps <b>datetime_ini</b> and <b>datetime_end</b> . If one or both parameters <b>datetime_ini</b> and <b>datetime_end</b> are <b>null</b> , then it's assumed that the time period hasn't low or high time limit respectively. Logged time is returned in milliseconds. Example: <code>timeLogged(issuesUnderEpic(), datePart({00057}, LOCAL), addDays(datePart({00057}, LOCAL), 1, LOCAL))</code> returns the sum of time logged today in issues under current issue's Epic. Note that {00057} is field code for <b>Current date and time</b> .
<b>timeLogged</b> (issue list <b>issues</b> , string <b>user</b> ) : number	Returns all the time logged in issues by user with username <b>user</b> . Logged time is returned in milliseconds. Argument <b>user</b> can contain a single user name (not be confused with user's full name), or a comma separated list of usernames, group names or project role names. Example: <code>timeLogged(linkedIssues(), %{00003})</code> returns the sum of time logged by the assignee on linked issues. Note that %{00003} is field code for <b>Assignee</b> .
<b>timeLogged</b> (issue list <b>issues</b> , number <b>datetime_ini</b> , number <b>datetime_end</b> , string <b>user</b> ) : number	Returns the sum of all the time logged in issues by <b>user</b> in time interval defined by timestamps <b>datetime_ini</b> and <b>datetime_end</b> . If one or both parameters <b>datetime_ini</b> and <b>datetime_end</b> are <b>null</b> , then it's assumed that the time interval hasn't low or high time limit respectively. Logged time is returned in milliseconds. Argument <b>user</b> can contain a single username (not be confused with user's full name), or a comma separated list of usernames, group names or project role names. Example: <code>timeLogged(subtasks(), 2018/01/01, 2019/01/01, %{00003})</code> returns the sum of time logged by the assignee on subtasks during 2018. Note that %{00003} is field code for <b>Assignee</b> .

## Improvements

- Maximum delay for delayed transition execution now is 60 s, instead of 30 s.

## Bug fixes

- Each field update done by JWT post-functions appeared in issue history separately. Since 2.3.3 all the updates are shown in one unique register per issue transition, showing all field updates done by all the post-functions executed in the transition.
- [Issue #264](#) - Fixed bug with functions `datePart()` and `timePart()` when used on the days where DST transition happens.
- Changed behavior of function `addMonths()` so that when adding 1 month to 30th April we will obtain 30th May instead of 31st May (which was the behavior up to version 2.3.2).
- Error in the way setting rules were rendered by "Syntax Check" button mainly on post-function [Set a field as a function of other fields](#) and also on some other features.
- Parser functions that admits a **comma separated list of usernames** didn't filter duplicated values. In this version we implement a filter to avoid duplications.
- When using JWT post-functions for setting fields in "Create Issue" transition in JSD, emails were not being sent to approvers.

Find more Release Notes in our [Version History section](#).