

JWT Release Notes 2.2.41

[2017-08-21] Released [Jira Workflow Toolbox 2.2.41](#)

Improvements

- Function `addTime()` for [Schedules Definition Grammar](#) now supports negative offsets:

| Function | Returned value |
|---|--|
| <code>addTime(number base_instant, number offset, string schedule_name, timeZone time_zone) : number</code> | Returns the time instant resulting of adding offset milliseconds to base_instant within schedule with name schedule_name for time_zone timezone. Example: <code>addTime(2017/12/01 01:00, 8 * {HOUR} + 31 * {MINUTE}, "my_schedule", LOCAL)</code> returns 2017/12/04 10:01 . Example: <code>addTime(2017/12/04 14:00, 2 * {HOUR} + 30 * {MINUTE}, "my_schedule", LOCAL)</code> returns 2017/12/04 17:00 . Since version 2.2.41 negative offset values are supported: Example: <code>addTime(2017/04/24 09:00, - 2 * {HOUR}, "my_schedule", LOCAL)</code> returns 2017/04/21 14:00 . Example: <code>addTime(2017/04/20 20:30, - 5 * {HOUR}, "my_schedule", LOCAL)</code> returns 2017/04/20 13:00 . |

In the examples above we have used schedule "my_schedule", whose definition in [Schedules Definition Grammar](#) is:

```
1  MON-THU {
2      08:30 - 15:30,
3      16:00 - 19:30;
4  }
5
6  FRI {
7      08:00 - 15:00;
8  }
```

Note that 2017/12/01 is Friday, and 2017/12/04 is Monday.

- The following numeric fields will be considered as initialized by [Fields required or changed validator](#) condition and validator only when returned value is **greater than zero**:
 - Original estimate
 - Remaining estimate
 - Total time spent
 - Work logged in transition
 - Number of fixed versions
 - Number of affected versions
 - Number of votes received
 - Number of sub-tasks
 - Number of linked issues
 - Number of attachments
 - Number of transition's attachments
 - Number of labels

Bug fixes

- Post-function [Create issues and sub-tasks](#) fails when we have a configuration using an issue type that has been removed from the Jira instance.
- Display format "Date Picker" doesn't remain selected when configuring a [Calculated Date-Time Field](#) display mode.
- [Calculated Number Field](#) and [Calculated Date-Time Field](#) custom fields showed `$formattedValue` in column view when returned value was `null`.
- Functions `toNumber()` and `stringToDate()` threw an exception when input parameter was a `null` instead of a string.
- [Issue #744 - Fields required or changed validator](#) failed with virtual field "Transition's comment" and "Transition's attachments".