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