

Create sub-tasks list using an external data source

This article describes one of the common use cases, where you can apply dynamic list options with an external REST API datasource.

Introduction

Use the *Table Grid Editor for Jira Cloud* as a storage of simple sub-tasks with the sub-task assignee and status change.

You will learn how to set up a grid to track sub-tasks and update assignee and status.

You can easily connect an external data source with Jira statuses and another one with Jira users group. You don't need to add the data manually into the grid configuration.

Every time the user group connected as the external data source will be updated with new users, they will appear as options in the grid assignee column.

Once you add a new status to your Jira, it will be displayed as an option in the list.

The Grid where the sub-tasks are created

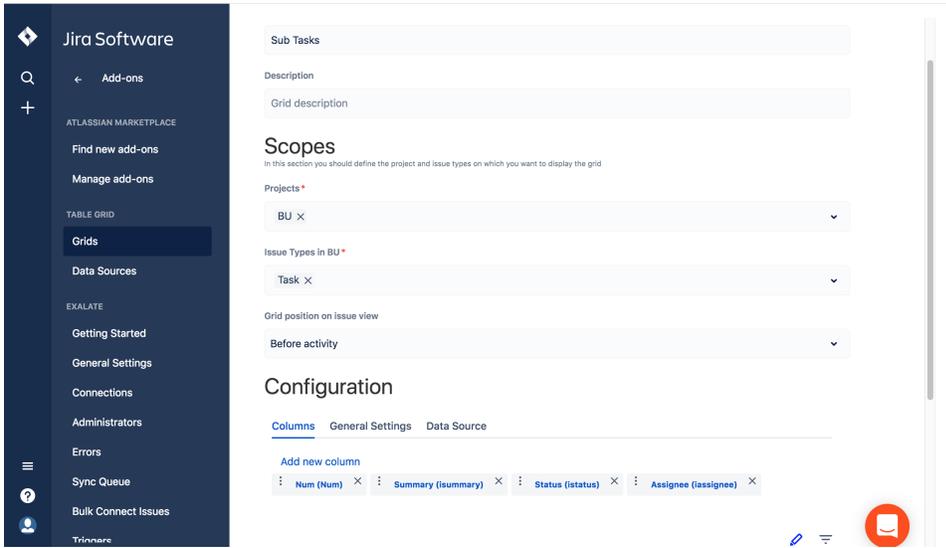
The screenshot shows a Jira issue page with a sidebar on the left containing navigation icons. The main content area is divided into several sections:

- Metadata:** Type: Task (checked), Priority: Medium (up arrow), Labels: None, Status: TO DO (View workflow), Resolution: Unresolved, Assignee: Unassigned (Assign to me), Reporter: Ihor Uksta, Votes: 0 (Vote for this issue), Watchers: 1 (Start watching this issue), Created: 16 minutes ago, Updated: 16 minutes ago.
- Description:** Click to add description.
- Attachments:** Drop files to attach, or browse.
- Grid:** Sub Tasks. A table with 4 columns: Num, Summary, Status, Assignee.

Num	Summary	Status	Assignee
1	Create test cases list	In Progress	Francis Martens
2	Handle support request	To Do	Artur Meshcheriakov
- Activity:** All, Comments (selected), Work log, History, Activity. There are no comments yet on this issue.
- Exalate:** Exalate, Connect Issues buttons.

Grid configuration

1. [Create a grid](#) to add subtasks and configure the grid [columns](#).



2. [Connect a data source](#) to your grid.
In our case we are connecting 2 external data sources (Jira REST API data sources).

 Use your Jira as data source (statuses and user groups) and load it with the help of [Jira REST API](#).

Jira statuses data source configuration

Add-ons Search Jira admin

[Data Source](#) / Statuses

Name *
Statuses

Description
Data Source description

URL *
https://fdalko.atlassian.net/rest/api/2/status

Path
Path to JSON Array

Headers +

Key	Value
Authorization	Basic aWhvcjpHZmhm. x

[Save](#) [Cancel](#) [Test Connection](#)

[Documentation](#) [List of configuration properties](#) [Report a bug](#)

Jira user group data source configuration

Add-ons Search Jira admin

[Data Source](#) / Developers

Name *
Developers

Description
Data Source description

URL *
https://fdalko.atlassian.net/rest/api/2/group/member?grou

Path
\$.values[*]

Headers +

Key	Value
Authorization	Basic aWhvcjpHZmhm. x

[Save](#) [Cancel](#) [Test Connection](#)

[Documentation](#) [List of configuration properties](#) [Report a bug](#)

i In both cases the REST API data source requires authentication.

We use **Headers** data source configuration option to add authentication.

Set a **Key** as Authorization and a **Value** as the encrypted access credentials.

Access credentials before encoding

```
username:password
```

Access credentials after encoding

```
YWRtaW46dGVzdHBhc3N3b3Jk
```

Value format with encoded credentials

```
Basic YWRtaW46dGVzdHBhc3N3b3Jk
```

Headers +

Key	Value
Authorization	Basic aWhvcjpHZmhm: ×

You can encode the credentials using any available encode tool such as [Base64](#).

- Configure [dynamic list options](#) in the column.
In our case there are 2 columns of type list. You need to configure the list options for both **statuses** and **assignee** columns.

Status column list options configuration

Add-ons

Dynamic Options

Data Source

Statuses ▼

statusCategory	name	iconUrl	description	self
	In Progress	https://idalko.atlassian.net/images/icons/statuses/inprogress.png	This issue is being actively worked on at the moment by the assignee.	https://idalko.atlassian.net/images/icons/statuses/inprogress.png
	To Do	https://idalko.atlassian.net/images/icons/statuses/todo.png		https://idalko.atlassian.net/images/icons/statuses/todo.png
	In Review	https://idalko.atlassian.net/images/icons/statuses/inreview.png		https://idalko.atlassian.net/images/icons/statuses/inreview.png
	Done	https://idalko.atlassian.net/images/icons/statuses/done.png		https://idalko.atlassian.net/images/icons/statuses/done.png
	Lost	https://idalko.atlassian.net/images/icons/status_generic.gif		https://idalko.atlassian.net/images/icons/status_generic.gif

Options Mapping

Option Label	Option Value*
name ▼	id ▼

✓
×

Assignee column list options configuration

Dynamic Options

Data Source

Developers ▼

name	active	avatarUrls	displayName	timeZone	self	emailAd
artur	true		Artur Meshcheriakov	Europe/Berlin	https://idalko.atlassian.net/rest/api/2/user?username=artur	artur@id
francis	true		Francis Martens	Europe/Berlin	https://idalko.atlassian.net/rest/api/2/user?username=francis	francis@
ihor	true		Ihor Uksta	Europe/Berlin	https://idalko.atlassian.net/rest/api/2/user?username=ihor	ihor@ida
juan	true		Juan Grases	Europe/Berlin	https://idalko.atlassian.net/rest/api/2/user?username=juan	juan@ida

Options Mapping

Option Label	Option Value *
displayName ▼	name ▼

✓ ✕

Usage

Now you can add new rows with sub-tasks into the grid.

On the change of the value of the "Assignee" column select an Assignee from the dynamic list.

Change the sub-task status by selecting available Jira statuses from the dynamic list.

Your browser does not support the HTML5 video element