

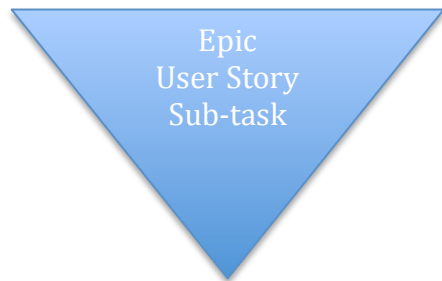
Scrum in JIRA

JIRA is a bug system that has been adjusted to handle agile workflows. Currently JIRA agile can handle Scrum and Kanban.

Every piece of work in JIRA is called an issue. JIRA can then mark an issue to represent a specific role.

The JIRA agile plug-in defines three main issues; an epic, a user story and a sub-task (all described below).

These three issue types are used to fine grain pieces of work that need to be done in a project.



Epic

An epic is a "big" user story – a theme – a collection of related user stories.

In JIRA the main goal of an epic is to bind a list of user stories to a subject.

The people from Atlassian describe an epic as a kind of label to group user stories together.

Create Epic

1. Press **Create** button
2. Choose your project
3. Choose **Epic** as issue type
4. **Summary**: Name of the label
5. **Description**: What this label should contain

User Story

A user story is a concrete piece of work that needs to be done in order for the system to work.

This means that all things that need to be done must be described as a user story. The combined list of user stories forms the system. A user story should always be attached to an epic.

The list of user stories is called the **backlog**.

A user story can only be as big as the largest amount of story points allowed (in a sprint). Difficult user stories need to be broken down into smaller user stories by time.

Template

A user story must follow the standard template: **As a <User> I want <function> so that <desired result>**.

Create User Story

1. Press **Create** button
2. Choose your project
3. Choose **Story** as issue type
4. **Summary**: Use the template above
5. **Description**: More information about the user story
6. **Story points**: See story points definition below
7. **Epic Link**: Link the issue to an epic.

Story points

Story points are the agile way to estimate a task. Instead of hour estimation, story points should cover the effort required to

implement a story – **how hard a story is to implement**.

A team should settle on a story point reference table. This cheat sheet suggests a story point reference table.

The team should do the estimation together. This estimation can be done with planning poker etc.

Story Points Reference Table

Size	Points	Description
Easy	1	Small user stories don't need break down into sub-tasks or user stories.
	2	
	4	
Medium	8	User stories that need to be broken down into sub-tasks and maybe user stories.
	16	
	24	
Difficult	32	User stories that must be broken down into smaller user stories.
	40	
	80	

Scrum Board

A task board needs to be created in order to use the JIRA agile plug-in. The JIRA agile plug-in can work with two kinds of agile boards; Scrum or Kanban

The Scrum board works with time boxed sprints.

The Kanban board works directly on a prioritized backlog.

Create Scrum Board

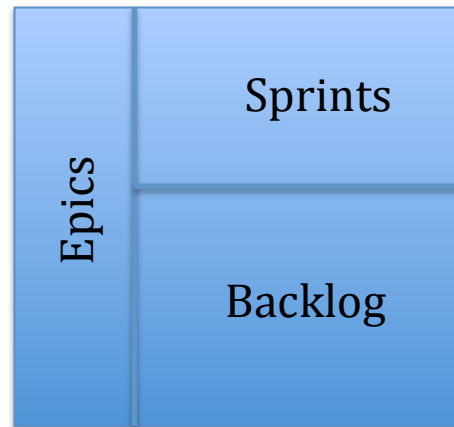
1. Under the **Agile** menu select **Getting Started**
2. Select the **Scrum** tab and press the button **Create a new board**
3. Choose **Board from an existing project**
4. **Name:** Enter the name of the project and postfix of your choice.
5. **Project(s):** Find the project(s) you want to manage.
6. Press **Create board**

Backlog

At your JIRA agile Scrum board you can manage your backlog

[Menu: **Agile** → “**Board**” : Tab: **Backlog**].

On the backlog page you can manage your epics (on the left), you can manage and create your sprints on the top and you can prioritize your backlog at the button.



Create Sprint

1. At the backlog page press the **Create Sprint** button.
2. Edit the name of the sprint by the pencil at the headline.
3. Drag user stories to the sprint
4. Break down user stories into sub-tasks.

Sub-task

A sub-task is the work that must be done in a user story.

Sometimes the user story only has one task and therefore the user story itself can be used as the task.

You assign the sub-task that needs to be done – not the user story. In case that the user story is the sub-task the user story must be assigned.

Create Sub-task

1. Double click the user story that needs to be broken down into sub-tasks.
2. Scroll down the user story on the right of the screen to the sub-task section.
3. Press **Create Sub-Task**
4. **Summary:** Task title
5. **Description:** Describe the task
6. Press the **Create** button at the bottom.

Manage Sprint

At the scrum board you can manage your sprint under the tab **Active sprints**.

A basic sprint have three phases; To Do, In Progress and Done. More phases can be added in the board configuration (only if needed).

Tasks can be dragged between the phases.

A task needs to be assigned before it is dragged from the To Do phase.

Note: Remember to close a sprint before starting a new.

Burndown Chart

You can observe if a given sprint is going, as it should by following the progress in the **Burndown Chart**.

The burndown chart can be found in the **Reports** tab at the scrum board.