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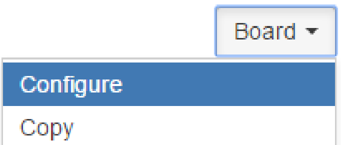
e-Portfolio: JIRA

Getting started

1. Go to: http://193.196.7.27:8080/
2. Sign up and log in
3. Choose one out of your team that will be the project-admin
    3.1 Send a mail to Ms Berkling (berkling@dhbw-karlsruhe.de) with the following information:
        - Name of the group
        - The name of the project-admin
        - The name of your GitHub project-group
        - The name of your GitHub project
4. The rest of the team have to search for the board of your team
    - Go to the “Boards”-tab in the header
    - Click “more”
    - Search for the board and click it
    - On your next visit you this board will show up if you click the “Boards”-tab again

Configure your board

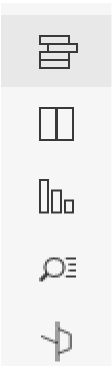
Just the project-admin can configure the board.
If you want to configure your board, you have to click the “Board”-dropdown in the upper right and choose “Configure”.



Possibilities:
1. Add your teammates as board-admin
    → Go to “General” and just add your teammates in the “Administrator”-area
2. Add column or issue status
    → Go to “Columns” and click “Add status” or “Add columns”
        (See section “Workflow”)
3. Add quick filter
    → Go to “Quick Filters”
    → Choose a name for new filter
    → Write a phrase into JQL that set the filter
        → For example you can add a filter for every teammate
            → assignee = name of user

4. Configure estimation-value
→ Go to “Estimation”
→ change the “Estimation Statistic” to what ever your team prefer.
→ Original Time Estimate = values are: days / hours / minutes
→ Story Points = points that represent the time spent
5. Activate Time-Tracking
→ Go to “Estimation”
→ tick “Remaining Estimate and Time Spent”

Create issues



All new issues will be set into the “Backlog”.
1. Navigate to the backlog of your board
2. Click the “Create”-button in the header-section

Required:
3. Choose your project
4. Choose an issue type
→ See section “Work with Epics”
5. Add a summary (This is what you see on the board)
6. Add a time estimation
→ You just can do this after the issue is created

Optional:
7. Description
8. Priority
9. Link to epic (See section “Work with Epics”)
10. Add assignee
→ You can do this when a sprint is started
→ See section “Sprints”
11. …

Work with epics

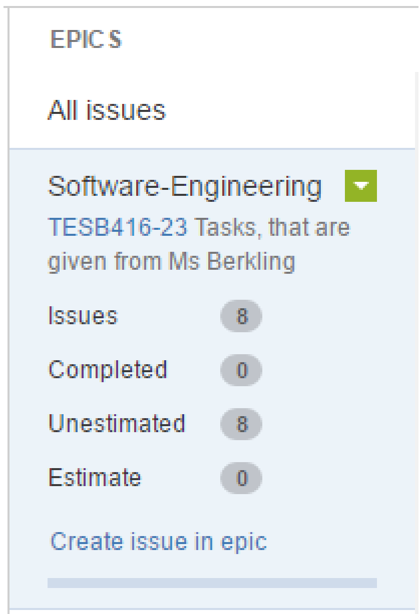
For a better overview of your Project there is a possibility to cluster your issues.
To cluster issues you have to create “Epics”.
Creating an epic is like create a normal issue. (See section “Create issue”)

Required:
1. Click “Create”
2. As issue type choose “Epic”
3. Choose a name and a summary

Optional:
→ Like in “Create issue”

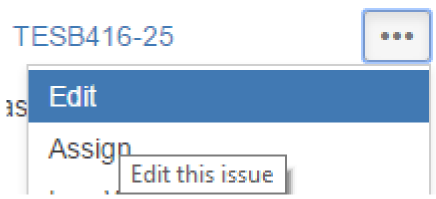
After you created an epic, you can connect issues with that epic.
1. Edit or create an issue
2. Go to the epic-section
3. Here you can choose your epic to connect with

If you have connected all issues that you wanted to connect, you can see all issues of that epic at a glance.
1. Go to the backlog
2. Click on “Epics” on the left side
   → Here you can see all epics with there values



You also could go to the epic over an issue.

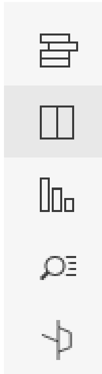
Edit an issue



If you want to edit an issue follow these steps:
1. Navigate to the issue, that you will edit
   → Backlog, Sprint, Issue-tab
2. Click on the issue
   → On the right side you should see some information about the issue
   → You can edit them there
   → But not all information are shown there
3. Click on the “…” in the upper right of these information
4. Select “Edit”

To get all information that issue have, click on the blue name of the issue on the right.

Sprints



What is a sprint ?

A sprint includes issues, that have to be done in a certain time.

Create a sprint

1. Go to the backlog
2. Click “Create Sprint”

Add issues:

3. Drag and drop issues from the backlog into the sprint
4. If you added all issues that have to be done in that Sprint
   → Start Sprint

Start sprint:

5. Give it a name (something with #1)
   → If u create a new sprint the number will automatically raise
6. Choose a duration

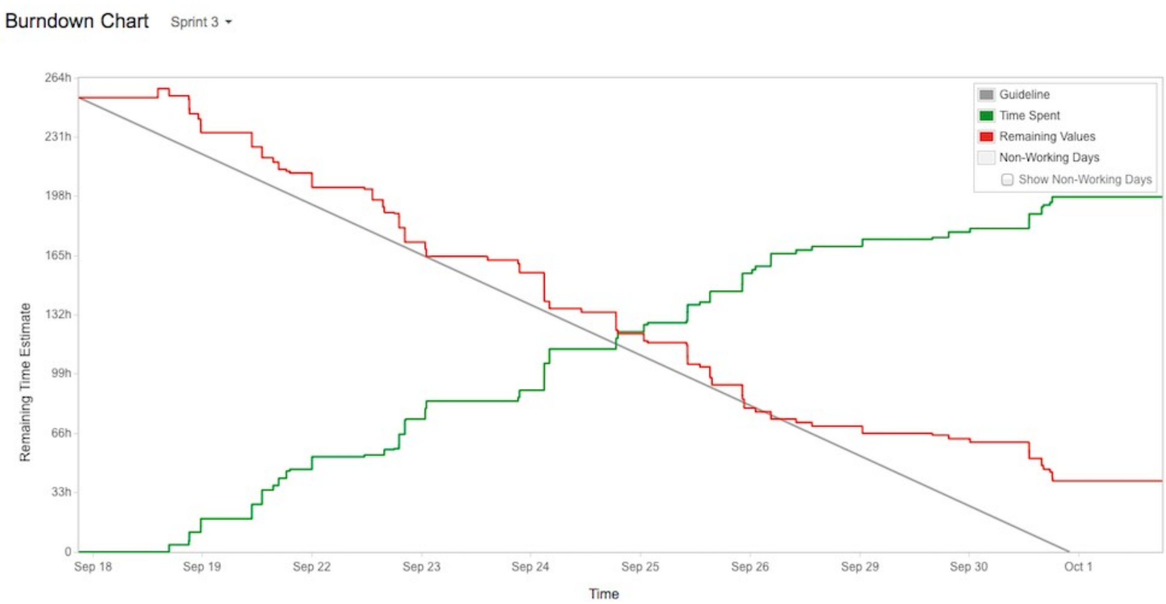
   → Start!

Information

- It can only one sprint be active
- But: You can plan as many sprints as you want
- Issues, that not has been completed in an active sprint will automatically put into the next sprint
- During the sprint a “Burndown-Chart” will be created
  → See section “Burndown-Chart”
- If you finish a sprint a report will be created

Burndown-Chart

A Burndown-Chart allows you to get a chronological overview of your project.
As the name says it is a chart.
It has two axes. The Y-axis shows the estimate and the X-axis shows the time.
So you can see the estimate that is done over time.



Integrate JIRA in IDEA

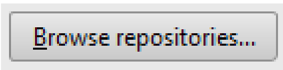
Sublime Text 3

Install:
1. Go into package controll
2. search for “JIRA”
3. browse package

Usage:
With this Sublime package you just have three actions you can perform.
1. Get issue
   → See all information of an issue in Sublime
2. Create issue
   → Create an issue out of Sublime
3. Update issue
   → Update an edited issue

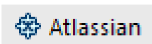
IntelliJ

Install:
1. Navigate to the settings
2. Go to plugins
3. Click “Browse Repositories”

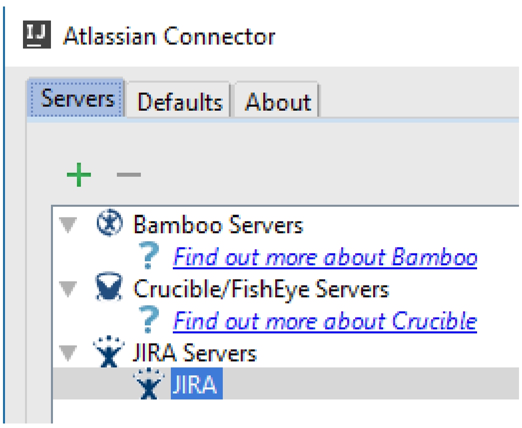


4. Search for “Atlassian Connector for IntelliJ IDE”

5. Install
6. Click the Atlassian Icon at the bottom of IntelliJ



7. Go to project settings
8. Click the “+”-button to add a new JIRA-Server



9. Choose a name for the server
10. Set the server URL: http://193.196.7.27:8080
11. Type in your JIRA username with password
12. Checkmark “Server Enabled” and “Use Default Credentials”
13. Test your connection
14. Go into the “Default”-tab
15. Set “Path to Project” to your local GitHub repository
16. Click the Atlassian Icon at the bottom again

→ Now you should see some filters and the fitting issues to your project

Eclipse

→ Is not supported anymore !

Integrate JIRA in GitHub

GitHub

1. Go to your project-group
2. Go to settings
3. Register a new application
4. Fill out the required fields
5. Save application

JIRA

1. Send an e-mail to Ms Berkling including the following:
    - Client ID
    - Client Secret
    - Group name
    - JIRA-project name

2. You have to go to Ms Berkling, because you have to log in GitHub with one of a team members account.