



International Journal of Multidisciplinary Research and Growth Evaluation



International Journal of Multidisciplinary Research and Growth Evaluation

ISSN: 2582-7138

Received: 06-02-2020; Accepted: 07-03-2020

www.allmultidisciplinaryjournal.com

Volume 2; Issue 1; March-April 2020; Page No. 106-109

Best practices for implementing scrum in Jira

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DOI: <https://doi.org/10.54660/IJMRGE.2020.1.1.106-109>

Abstract

In today's world software development is a complex process which requires a powerful and adaptive methodology along with framework for managing and completing the projects. Agile methodology is a modern approach which is widely used in the software development. Agile includes different frameworks like Scrum, Kanban, Scaled Agile Framework (SAFe) and Extreme Programming (XP). While each approach has its own specific practices and guidelines, they all share the core principles of Agile and aim to deliver high-quality software efficiently and adaptively. Jira is a project

management tool developed by Atlassian which provides robust features to support Scrum practices effectively. Scrum is an agile framework which widely adopted in software development across different domains. Scrum framework focuses on collaboration between the teams, teamwork, iterative approach, and adaptability. Scrum divides the project work into small manageable units and helps to delivering value incrementally. This paper explores the best practices for implementing Scrum in JIRA to streamline the workflows and boost team productivity.

Keywords: Agile, Jira, frameworks, scrum, sprint, product owner, backlog, workflow, retrospective

Introduction

Literature Review

This literature review on implementing scrum frame work in Jira for agile project management, emphasizes iterative progress, collaboration, and adaptability. Tools like Jira have become widely adopted to support Scrum practices due to their flexibility and scalability. This literature review explores best practices for implementing Scrum in Jira by analysing scholarly articles, industry reports, and case studies.

Best practices to be considered for Implementing Scrum in Jira

1. Set Up the Project

Jira provides few pre-defined project creation templates based on the project types. Select scrum template and customize the scrum board to reflect workflow as per the project needs.

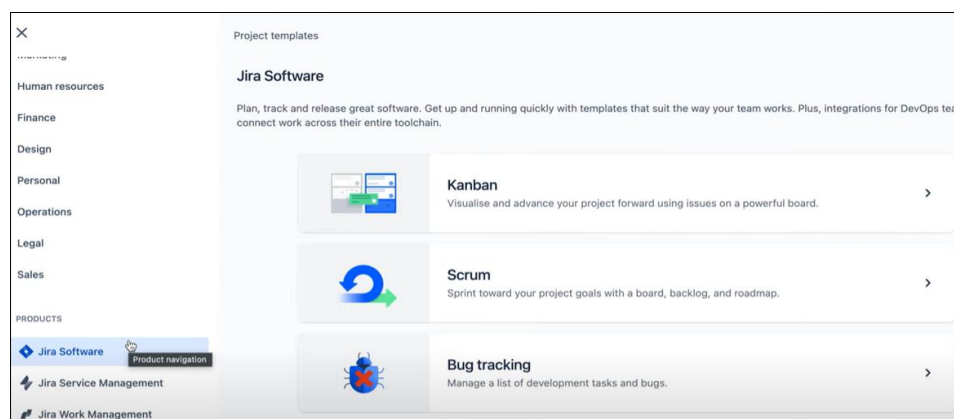


Fig 1

2. Create Project Backlog

Enable the backlog feature from the project settings and it will be populated on the Jira board. By using Epic feature, we can group the related user stories and tasks for easy tracking. We can use the ranking feature to prioritize the tasks.

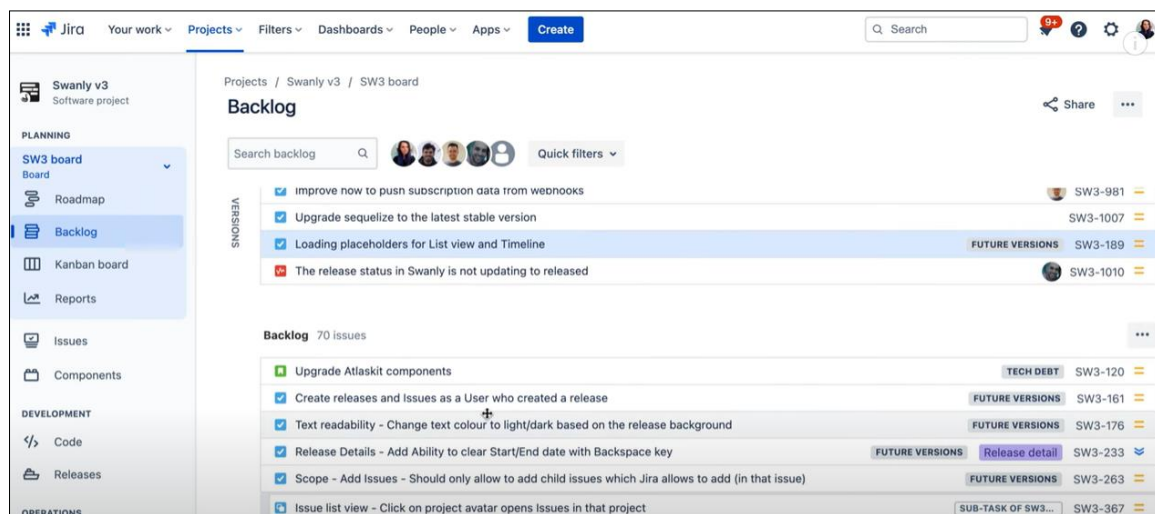


Fig 2

3. Create Workflow

Create the workflow as per the project needs. Add the statuses like “To Do, In Progress, In Testing, Impediment, In Review, Done” etc.

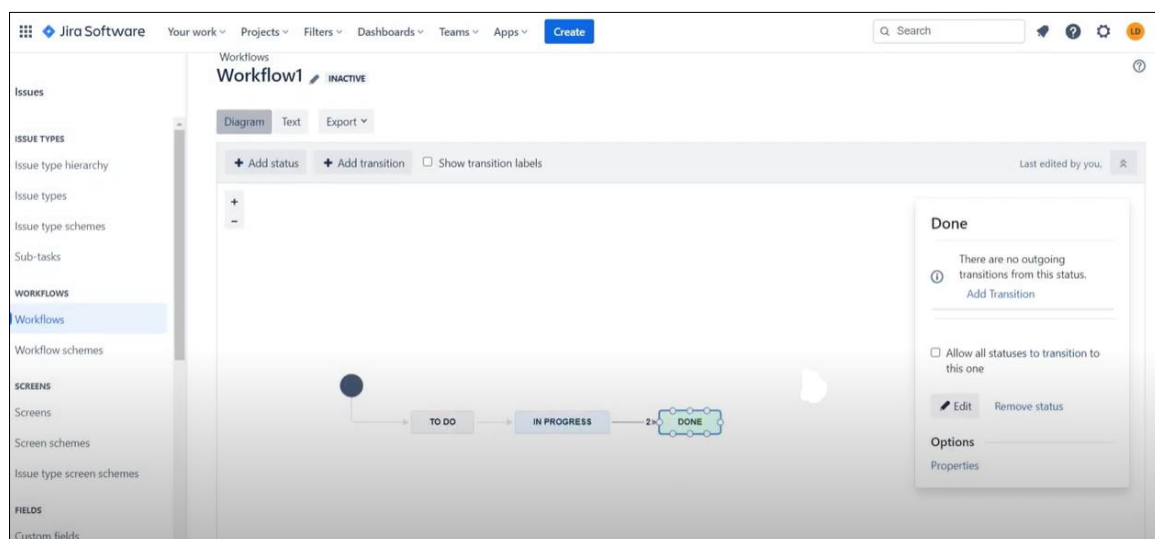


Fig 3

4. Create Sprints and Assign Roles/Permissions

Create a sprints by using “Create Sprint” button from the backlog and provide all the mandatory and required field values like Sprint Name, Start Date, End Date etc. Assign the required roles like Product Owner, Developer, Tester and ensure appropriate permissions for creating, updating, and viewing Jira board and related issues.

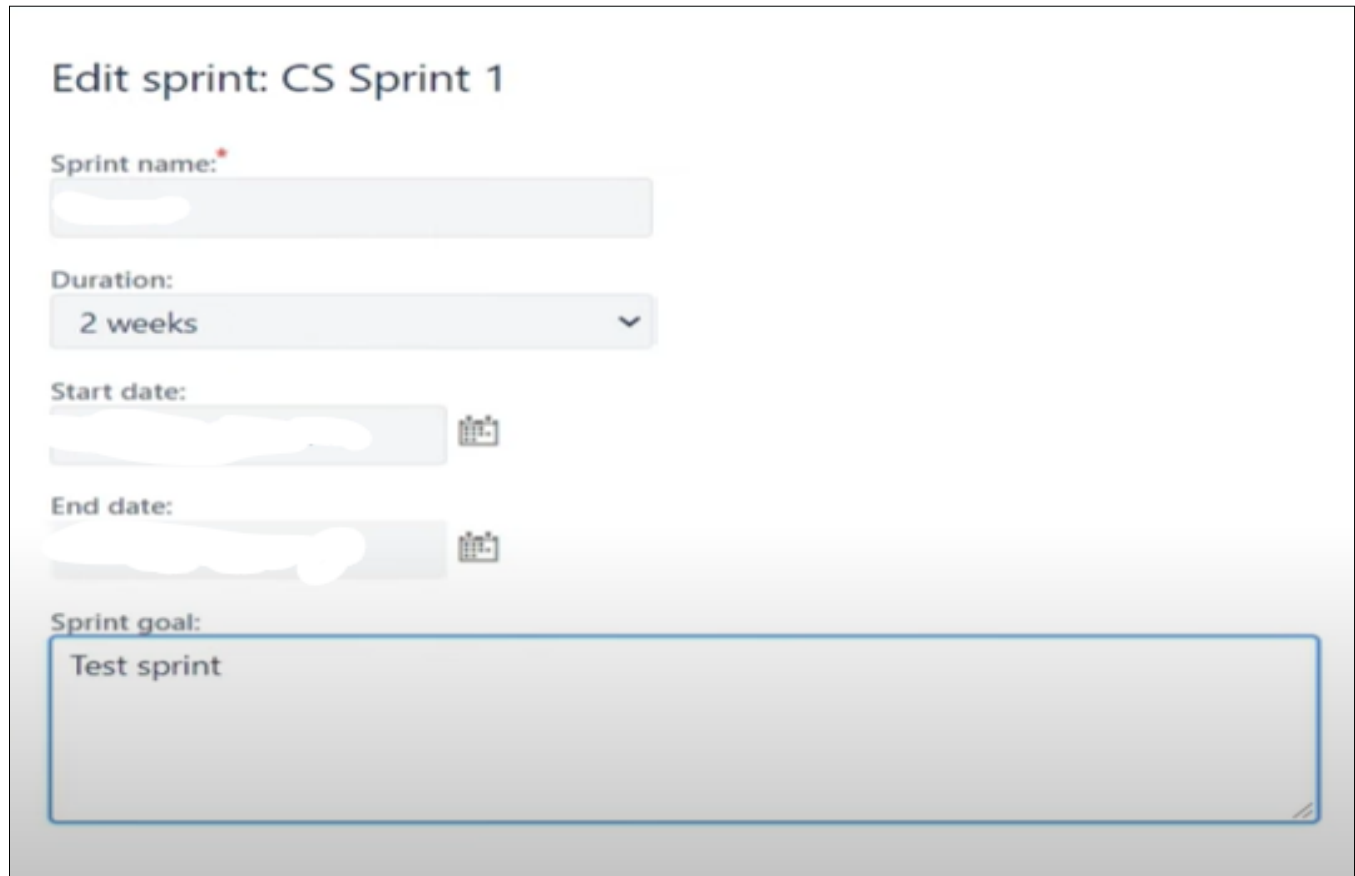


Fig 4

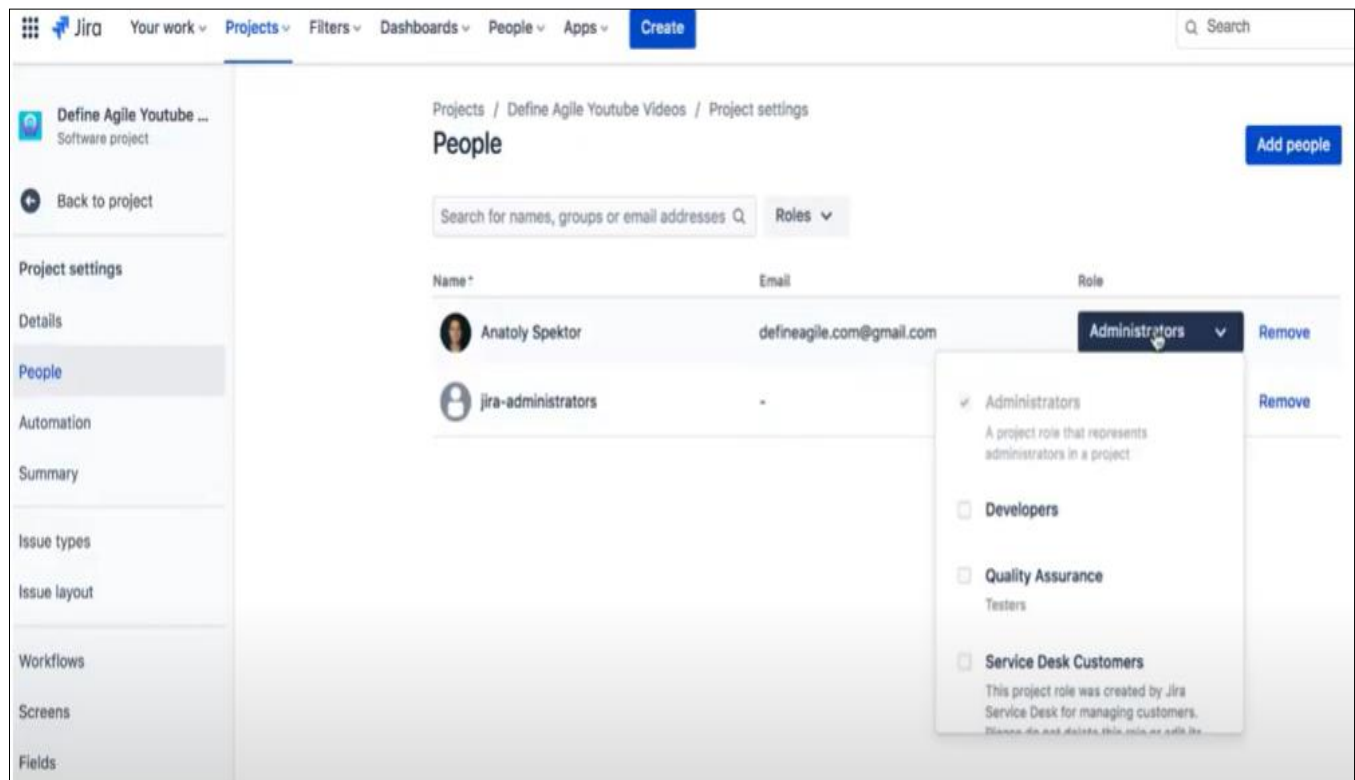


Fig 5

5. Setup the calls

Conduct Backlog Grooming, Daily Stand-Ups (DSU's) and Retrospective meetings on a regular basis to refine the backlog, get the updates, review the sprint and identify improvements.

6. Create Automation rules and train the team

Create automation rules with required conditions and actions to send the notifications when conditions met. Train the team on best ways to use Jira make the required changes as part of continuous improvement.

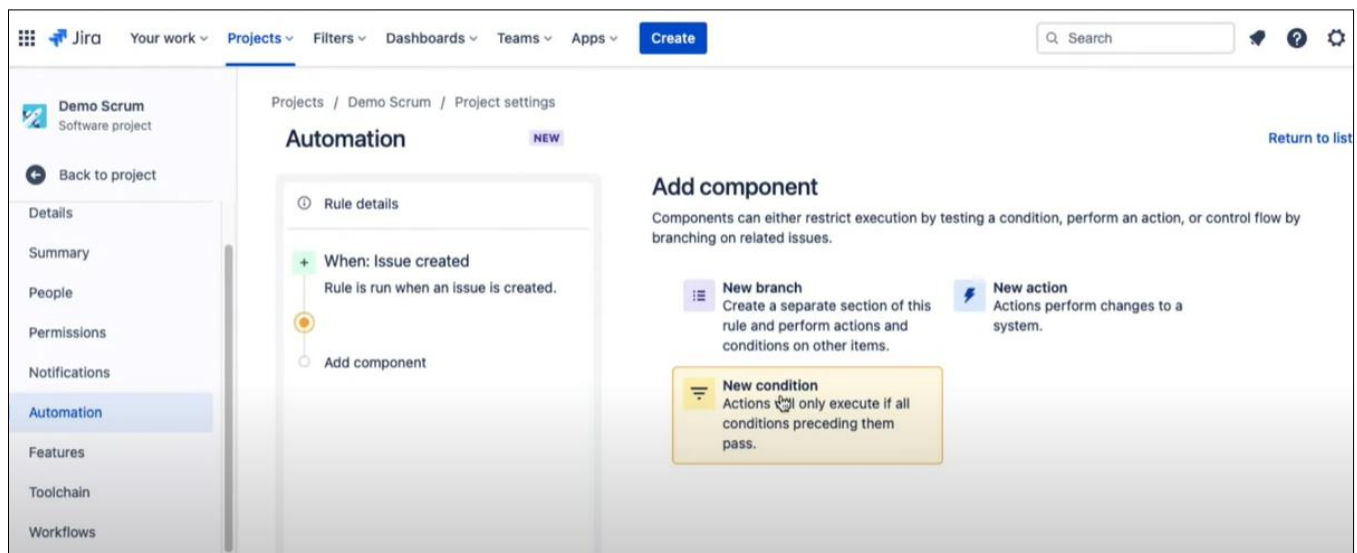


Fig 6

Challenges in Implementing Scrum in Jira

While Jira is a powerful tool few challenges will arise from over customization, difficulties in breaking the stories into smaller, improper management of backlog, defining clear user stories, inaccurate estimations and story points, insufficient training, and resistance to change. Teams often struggle to define acceptance criteria, understanding the roles and work flows. Inconsistent usage among team members can hinder transparency and accountability.

Conclusion

Implementing Scrum in Jira requires customization, training as per the role, and continuous practice to align with scrum principles. By using Jira in built features and adhering to the framework's core values, teams can achieve improved productivity and project outcomes. Future studies could focus on comparative analyses of Jira with other Scrum-supporting tools and the impact of advanced Jira integrations on team performance.

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