



What is Jira

- Product Management tool
 - Track Project Work status.
 - Track Bugs and issues.
 - Team work and time tracking
 - etc... ↗



Who Should learn jira

- Software developers
- QA(testing team)
- Business developers
- Product Owner
- Team manager and management

Why need jira

- Help you to get job.
- One-stop solution for project management.
- No need to make excel or other documents.
- Project work and bugs can manage easily.
- Team can communicate over the project.
- Multiple project can handle.
- Charts and graphs will help the project progress.

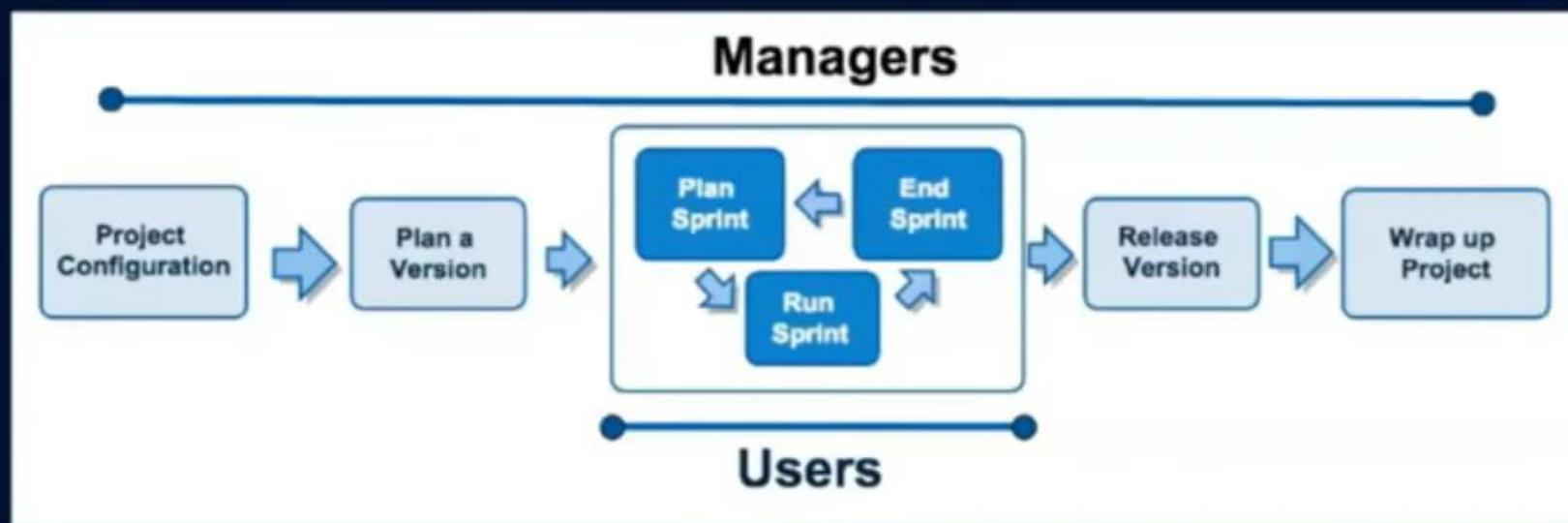
History and Details

- Jira is developed by Atlassian company
- git and confluence is also created by Atlassian.
- Jira Products
 - Jira Work Management
 - Jira Software
 - Jira Service Management

What we will learn in this series

- How to make a project in jira
 - Practical use of Jira
 - how to make
 - Epic
 - story
 - bug
 - task
 - Project setting
- 
- Project dashboard
 - Sprint
 - Agile
 - Scrum
 - Search items(bug,story etc)
 - What is sprint grooming
 - etc

How Jira works



Jira product overview

The Jira family of products are built on the Jira platform. Jira Work Management is the default product of the Jira platform, and is always part of your Jira site. You can add Jira Software and Jira Service Management to add extra functionality and project templates to your Jira site. A user may require access to one, all, or any combination of these products.

Product features and project types

Each product delivers a tailored experience to its users, and has an associated project type that in turn offers product-specific features. Here's a list of the project types and their associated features.

Application	Project type	Application-specific feature set
Jira Work Management	 Business projects	<ul style="list-style-type: none">Available to all licensed usersTemplates for HR, legal, and other business teams.
Jira Software	Software projects	<ul style="list-style-type: none">Integration with development toolsAgile/Kanban boardsRelease hub for software versions
Jira Service Management	Service projects	<ul style="list-style-type: none">Service Level Agreements (SLAs)A customizable web portal for customersPermission schemes allowing customer access

All users who can log into a Jira site will be able to see all the projects in that instance (pending permissions), but they will

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Community

[Questions, discussions, and articles](#)

Jira Instance



- Cloud Instance
- Server Instance

Server Instance

- Setup Jira Software on your hosting server
- Example `jira.yourhosting.com`
- Need to manage and update time to time.
- If you have a big project and a big team then
only use Server Instance.

Cloud Instance

- Setup Jira Software on atlassian.com(jira Cloud only)
- No server cost
- No security code
- No need to update time to time
- Best for learning -> Create Account and Setup project

Project Menu and Options

- How to Add More Team Member
- What is Roadmap
- What is Backlogs
- What is Board
- What is code option
- what is Project pages
- Add Shortcut
- Project Setting

The Agile methodology

- Methodology in Software Development
- What is Agile methodology?
- The Framework of Agile Methodology
- Agile methodology principles
- Alternative of Agile Methodology

Methodology in Soft. Dev.

- The software development methodology is a process by which developers design, implement and test new computer Software Projects
- Eg
 - How to develop and test Project
 - How to release the project
 - How to manage roadmap and Project milestones

Agile Methodology

- The Agile methodology is a way to manage a project by breaking it up into several phases.
- Step Example.
 - Make a plan for 15 days.
 - Development for plan.
 - Test project according to the plan.
 - Make feedback from the customer.
 - Start Next plan.

Agile Framework

- Scrum Framework
- Kanban Framework
- Extreme Programming
- etc

Agile Principle

12 PRINCIPLES

- SATISFY THE CUSTOMER
- WELCOME CHANGING REQUIREMENTS
- DELIVER WORKING SOFTWARE FREQUENTLY
- BUSINESS WORKS WITH DEVELOPERS DAILY
- BUILD PROJECTS AROUND MOTIVATED INDIVIDUALS
- FACE-TO-FACE CONVERSATION BEST
- WORKING SOFTWARE MATTERS
- CONSTANT PACE
- HIGH QUALITY CODE IS FASTER
- MAXIMIZE WORK NOT DONE
- SELF-ORGANIZING TEAMS DELIVER QUALITY
- FEEDBACK LOOPS USED TO IMPROVE

Agile Alternatives

- Waterfall methodology
- Rapid Development
- Lean
- etc

The Scrum

- Scrum is a framework of agile methodology.
- Helps teams structure and manage their work through a set of values.

Basic Rules in Scrum

- Every Sprint is Four Weeks or Less in Duration
- There are no Breaks Between Sprints
- The Intention of Every Sprint is “Potentially Shippable” Software
- Every Sprint includes Sprint Review for stakeholder feedback on the product

Roles in Scrum

- Product owner,
- Scrum master,
- Development team members



Scrum vs Kanban

Origin	Software development	Lean manufacturing
Idealogy	Learn through experiences, self-organize and prioritize, and reflect on wins and losses to continuously improve.	Use visuals to improve work-in-progress
Cadence	Regular, fixed-length sprints (i.e. two weeks)	Continuous flow
Practices	Sprint planning, sprint, daily scrum, sprint review, sprint retrospective	Visualize the flow of work, limit work-in-progress, manage flow, incorporate feedback loops
Roles	Product owner, scrum master, development team	No required roles

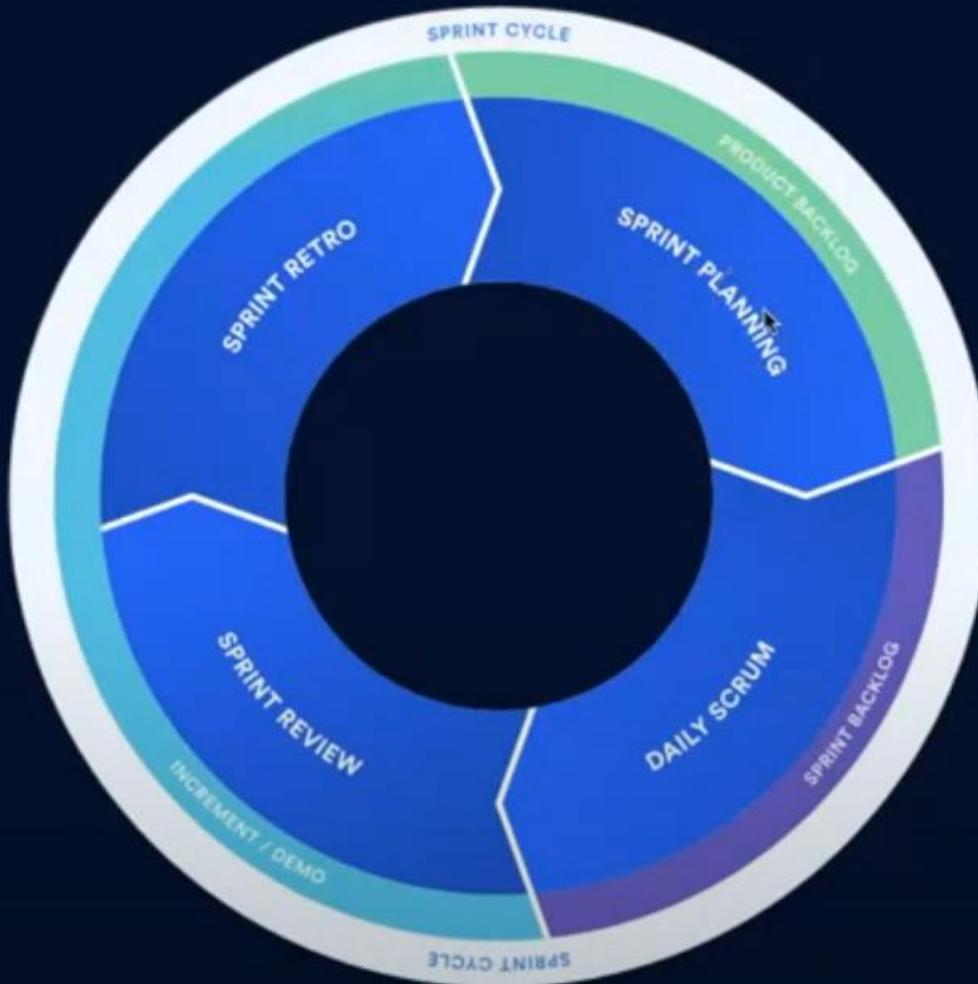
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What is Sprint

- A sprint is a short, time-boxed period when a scrum team works to complete a set amount of work.
- Sprint Duration should be less than 4 weeks



Plan and Execute sprints



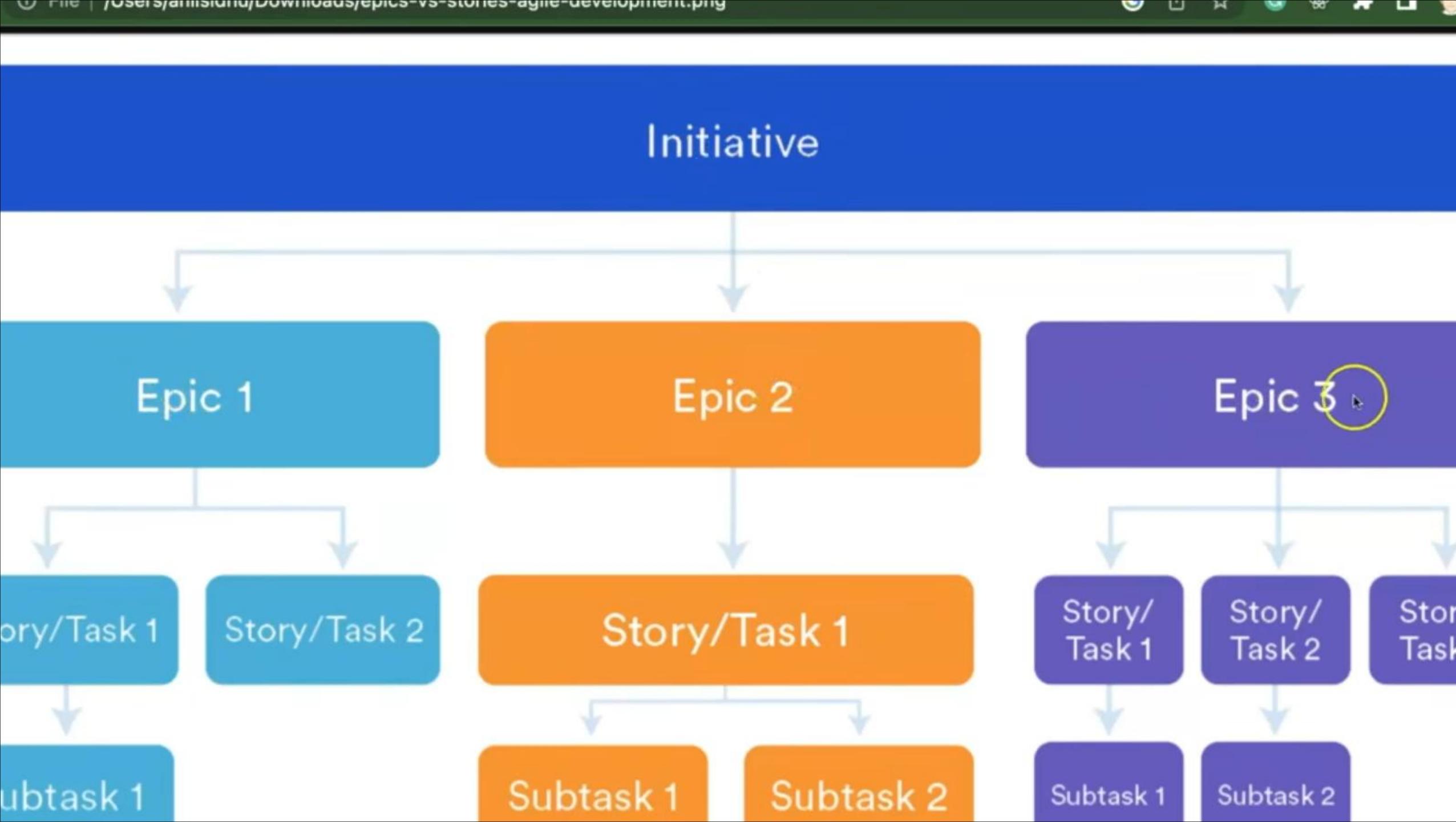
Planing

- Estimate how much work can be done.
- Sprint Grooming.
- Daily Scrum meeting
- Sprint Retrospective
- Sprint demo

Epic and Roadmap

- What is Roadmap
- What is Epic
- How to Make Epic
- Epic Flow
- Options with Epics





Story in Jira

- What is a Story?
- Why do we need story?
- How to create, update, and delete story?
- Story Points? 
- Link Story with Epic
- Link Child issue with Story
- Move from Epic from other issue

Create Sprint and BackLogs

- How to Create and Start Sprint?
- Options with sprint?
- Is Sprint Impact on board?
- Create multiple Sprints?

Bug Issues in jira

- What is Bug Issue?
- How will create bug issues.
- How to Create Bugs.
- Options and details of bug.
- Link bugs to other issues
- Add Bugs in the sprint
- etc.



Task in Jira

- What is Task in Jira
- Difference between Story and Task
- Make Task
- Task Options

Search in Jira

- Board search
- Global search
- Basic issue search
- Advanced search

Advance Search

- What is JQL
- How it work
- Example of JQL



Software Your work Projects Filters Dashboards Teams More Create Search ?

Search Save as JQL

type=Story AND (status="Done" or status="In Progress") AND (project=E-comm or project=Dummy-1) [?](#)

Search Switch to basic

1-4 of 4

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated
	EC-6	SignUp Form	Anil Kumar	Anil Kumar		DONE	Done	03/May/23	06/May/23
	EC-5	Make Login Form and Apply Validation	Anil Kumar	Anil Kumar		IN PROGRESS	Unresolved	03/May/23	07/May/23
	D1-4	Test 2	Unassigned	Anil Kumar		DONE	Done	06/May/23	06/May/23
	D1-2	Some code	Unassigned	Anil Kumar		DONE	Done	03/May/23	06/May/23

1-4 of 4

Add New issue Type

- What are the default issue types in Jira.
- Add a New issue type.
- Create new issue type.



Labels

- What are **label** and use of it?
- Add Labels with issues.
- Search with label.
- Label with JQL.
- Remove label.

Connect jira with Git

- Install plugin.
- Allow Permission on git for jira
- Create branch and test.

Create Dashboard

- What is Dashboard
- Create Dashboard
- Add a Gadget in the Dashboard
- Options with Dashboard

Add Field In Issue Template

- What is the issue template?
- Add fields in the issue template.
- Remove fields from the issue template.
- Make custom fields.
- Add and remove custom fields in the template.
- Create and delete custom fields.

Issue Workflow

- What is workflow for issues?
- Default workflow status.
- Add workflow status options.
- Add rules for workflow.



Add Features to Project

- What is feature means?
- How to add/Remove Features.
- Check whether features are added or not.

Issue Activity and Activity Stream

Reports and Charts in Jira

- What is the use of a chart?
- How to see reports in Jira?
- Types of chart?
- Enable Reports?



Sprint Burndown Chart

- What is Sprint Burndown Chart?
 - This Chart Tells only about sprint
 - It includes efforts of the Main Task or story
 - It does not include efforts of sub-task.
- How to Access it.
- How a good Sprint Burndown Chart should look like.
- Can Sprint Burndown chart be negative ?

Sprint Burnup Chart

- What is Sprint Burnup Chart?
 - This Chart Tells only about sprint
 - It includes efforts of the Main Task or story
 - It does not include efforts of sub-task.
- How to Access it.
- How a good Sprint Burnup Chart should look like.

Cumulative flow diagram

Velocity report

- What is a Velocity report?
- Use of Velocity report?
- How to Access it?
- How should it look like?

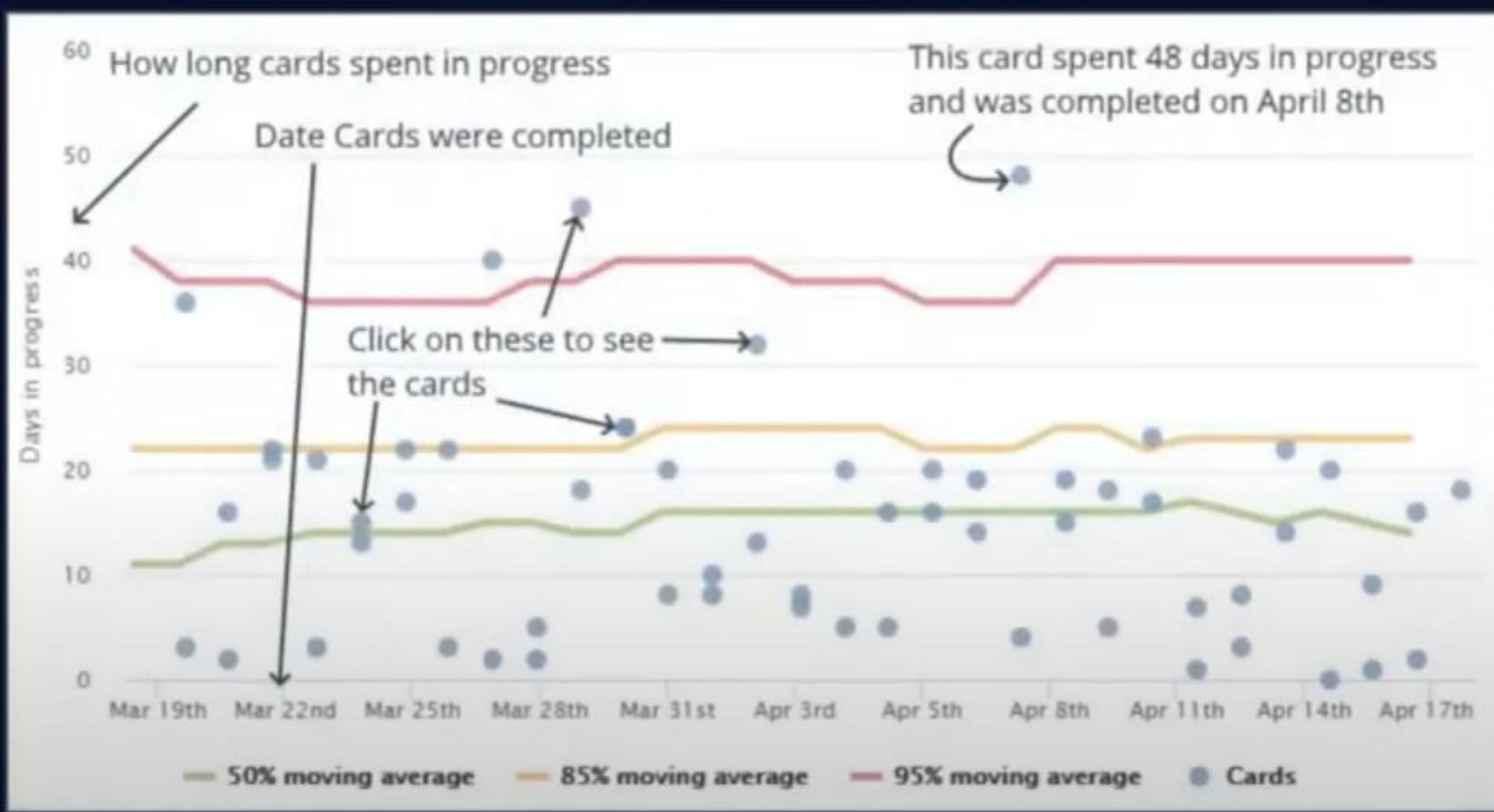
Cycle Time Report

Deployment Frequency Report



- What is Cycle Time Report?
- How Cycle Time Report Looks?
- What is Deployment Frequency Report?
- How Deployment Frequency Report Looks?

Cycle Time Report



Deployment Frequency Report

Deployment frequency

16 deployments last week

↑ 11.2 per week

[View full report](#)

4.8 deployments
Average weekly
deployments, last 12
weeks



Jira Tool Basic Interview Questions

What is Jira tool?

- Jira is a project management tool.
- Here we can track Project Development and project issues
- Jira help the team to work distribute and manage work also.

Explain the key components of Jira?

- **Project:** Organizes related work and issues together.
- **Issue:** Represents a task, bug, story, or any work item to be tracked.
- **Workflow:** Defines the lifecycle of an issue.
 - e.g To Do, Progress, Done, Testing, Close etc
- **Board:** Provides visual representation of work items, such as Scrum or Kanban boards.

What are the different issue types in Jira?

- Jira supports various issue types:-
- Task,
- Bug,
- Epic,
- Story,
- Sub-task,
- Custom Type issues etc.

These help categorize and manage different types of work items.

What is Sprint

- A short-term and time-boxed goal for team
- Where team decides to work that can delivery in a specific time.
- Most of time sprint during is between 2 weeks to 4 weeks

What is Epic

An epic is a large body of work that can be broken down into a number of smaller stories, or sometimes called "Issues" in Jira



What are Stories in Jira?

Stories, also called “user stories,” are short requirements or requests written from the perspective of an end user.

Story vs Task

- A Story will express a goal or end result,
- A Task is a responsibility or step in the process

What is Bug in jira

- A problem that can cause an issue in product that is found by QA or team member and shoud be fix

Can jira connected with Github

- Yes



Type of Report and Charts in jira

- Burnup report.
- Sprint burndown chart.
- Velocity report.
- Cumulative flow diagram.
- Cycle time.
- Deployment frequency.

Can we create custom issue type in jira

- Yes

Can we change issue life cycle flow

- Yes

