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JIRA a Tool

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JIRA is a tool developed by Australian Company Atlassian. It is used for **bug tracking**, **issue tracking**, and **project management**. The name "JIRA" is actually inherited from the Japanese word "Gojira" which means "Godzilla".

The basic use of this tool is to track issues, and bugs related to your software and [Mobile](#) apps. It is also used for project management. The JIRA dashboard consists of many useful functions and features which make handling of issues easy. Some of the key features are listed below.

JIRA Scheme

Inside JIRA scheme, everything can be configured, and it consists of

- **Workflows**
- **Issue Types**
- **Custom Fields**
- **Screens**
- **Field Configuration**
- **Notification**
- **Permissions**

JIRA Issues and Issue types

What is JIRA Issue?

JIRA issue would track bug or issue that underlies the project. Once you have imported project then you can create issues.

Under Issues, you will find other useful features like

- Issue Types
- Workflow's
- Screens
- Fields

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Let see JIRA Issue in detail

Issue Types

Issue Type displays all types of items that can be created and tracked via JIRA. JIRA Issues are classified under various forms like new feature, sub-task, bug, etc. as shown in the screen shot.

There are two types of Issue types schemes in JIRA, one is

- **Default Issue Type Scheme:** In default issue type scheme all newly created issues will be added automatically to this scheme
- **Agile Scrum Issue Type Scheme:** Issues and project associated with Agile Scrum will use this scheme

Apart from these two issue type schemes, you can also add schemes manually as per requirement, for example we have created **IT & Support** scheme, for these we will **drag and drop** the issue types from the **Available Issue type** to **Issue type for current scheme** as shown in the screen shot below

JIRA Components

Components are sub-sections of a project; they are used to group issues within a project into smaller parts. Components add some structures to the projects, breaking it up into features, teams, modules, subprojects and more. Using components you can generate reports, collect statistics, and display it on dashboards and so on.

To add new components, as shown in the above screen you can add **name, description, component lead and default assignee.**

JIRA screen

When issue is created in JIRA, it will be arranged and represented into different fields, this display of field in JIRA is known as a screen. This field can be transitioned and edited through workflow. For each issue, you can assign the screen type as shown in the screen-shot. To add or associate an issue operation with a screen you have to go in main menu and click on **Issues** then click on Screen **Schemes** and then click on "**Associate an issue operation**



Issue Attributes

Issue Attributes encompasses

- Statuses
- Resolutions
- Priorities

Statuses: Different statuses are used to indicate the progress of a project like **To do, InProgress, Open, Closed, ReOpened, and Resolved**. Likewise, you have resolutions and priorities, in resolution it again tells about the progress of issue like **Fixed, Won't fix, Duplicate, Incomplete, Cannot reproduce, Done** also you can set the priorities of the issue whether an issue is **critical, major, minor, blocker and Trivial**.

Issue Security Schemes

This function in JIRA allows you to control who can view the issues. It consists of a number of security levels which can have users or groups assigned to them. You can specify the level of security for the issues while creating or editing an issue.

Similarly, there is a **Default Permission Scheme** any new project that are created will be assigned to this scheme. Permission Schemes allow you to create a set of permissions and apply this set of permission to any project.

System Administration

Some of the useful features that JIRA admin provides to users are:

- **Audit Log**
- Under Audit Log, you can view all the details about the issue created, and the changes made in the issues.
- **Issue Linking**
- This will show whether your issues link with any other issue that is already present or created in the project also you can deactivate Issue linking from the panel itself
- **Mail in JIRA**
- Using Mail system in admin you can mail issues to an account on

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generated by an external mail service.

- **Events**

- An event describes the status, the default template and the notification scheme and workflow transition post function associations for the event. The events are classified in two a System event (JIRA defined events) and Custom event (User defined events).

- **Watch list**

- JIRA allows you to watch a particular issue, which tells you about the notifications of any updates relating to that issue. To watch an issue, click on the word "watch" in the issue window, and if you want to see who is watching your issues, you have to click on the number in brackets.

- **Issue Collectors**

- In the form of JIRA issues, an issue collector allows you to gather feedback on any website. In administration if you click on Issue collectors an option will open asking **Add Issue Collector**. Once you have configured the look and feel of an Issue Collector, embed the generated [JavaScript](#) in any website for feedback.

- **Development Tools**

- You can also connect your development tools to JIRA using this admin function. You have to enter the URL of the application to connect with JIRA.

How to create an issue in JIRA

JIRA Dashboard will open when you enter your user ID and password. Under JIRA dashboard you will find option **Project**, when you click on it, it will open a window that list out options like **Simple Issue Tracking, Project Management, Agile Kanban, Jira Classic** and so on as shown in screen shot below.

When you click on option **Simple Issue Tracking**, another window will open, where you can mention all the details about the issue and also assign the issue to the responsible person.

When you click on "Submit" button, a window will open where you can perform a list of work like creating issues, assigning issues, check the status of issues like- resolved, In-Progress or closed and so on.

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Once the issue is created a pop-up will appear on your screen saying your issue is created successfully as shown in the screen shot below

When you select the "**search for Issues**" under **Issues**, a window will appear as shown in the screen shot

1. **Search for issues** option will bring you to a window where you can see the issues created by you like here we have issues ST1 and ST2
2. Here in the screen shot you can see the issue "**Bug detected while User Acceptance Testing**" and all the details related to it. From here, you can perform multiple tasks like you can **stop the progress on issues, edit the issues, comment on the issues, assigning issues** and so on
3. Even you can export issue details to a XML or Word document.
4. Also, you can view activity going on the issue, reviews on the issue, work log, history of the issue and so on.
5. Under the time tracking option, you can even see the estimation time to resolve the issues

In the same window, you can set a filter for the issue and save them under **Favorite Filters**, so when you want to search or view a particular issue you can locate it using the filter.

To view the summary of the issue, you can click on options **summary**, this will open a window which will show all the details of your project and progress on this chart. On the right-hand side of the summary window, there is an **Activity Stream** which gives the details about the issues and comments made by the assignee on the issue.

For Rest details:<http://www.guru99.com/jira-tutorial-a-complete-guide-for-beginners.html> .



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