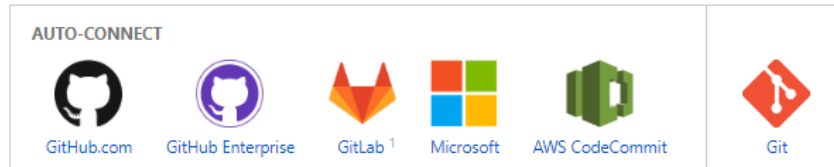# Developer Work Flow Guide

Pre-requisites for creation of Jira Developer Work Flow Guide

1. Jira Set-up and Login Credentials.
2. Gitlab Setup and Login Credentials.

Setup for authentication of Jira with Gitlab.

1. Go to Settings > Applications > Git Integration for Jira
2. Click on Git Repositories.

Add the type of repository required by the user such as Gitlab.

Click on Connect to Git Repository and add the respective repository using PAT Key.

This key is a secret key available with Gitlab.

On Authentication with the PAT key , The list of repositories which needs to be added with the PAT Key can be configured.

The Repositories once authenticated with Jira can be used for the work flow.

Work Flow Setup.

1. Once the Sprint board is setup on Jira and We need to create a Workflow on Jira for auto transition.

Go to Settings > Issues > Work flows

Create a new work flow associated with board on Jira or we need to import an already existing workflow from other boards.

The above work flow diagram illustrates the details of auto transition of To-Do to IN Progress after a branch creation

Basically the ticket comes with a TO DO state

Transition

1. Ticket transition from TO-DO to IN-Progress for a branch creation in the repository in Jira.
2. Ticket transition from IN-Progress to IN-Review for a Merge Request in Jira (OPEN state)
3. Ticket transition from In-Review to Done on closing the merge request.

Creation Of Branch from Jira on Gitlab Repository.

Go to the respective ticket in Jira we can be able to find the Jira Git source code Panel available in the board.

Git Source Code

0 commits
Roll Up

Compare code

Branches
Create branch

Merge requests
Create merge request

Once we are able to create a branch in the repository as shown below.

The branch would be reflecting in the Repository.

Creation of merge request from Jira to Gitlab.

Steps to create a merge request from Jira to Gitlab.

Open a new request from the Git source panel board.

Create a new request on the Jira board.

Click on the Merge request appearing on the Jira Board.

The new merge request is created on the Gitlab and needs to be closed based on the approval.

The Jira ticket has been updated with the respective status.

Create branch

Repository	general
Base branch	Develop
Branch name	NEW-15-new-end-end-gitlab-setup

Include the Jira issue key in branch name to associate branch with issue.

Create branch   Cancel

Search branches and tags

Branches
  newbranch
  main
  master
  NEW-15-new-end-end-gitlab-setup
  ✓ Develop

Challenges associated with the Jira - Gitlab End to End Work Flow.

1. Auto-Transition work flow with Jira cannot be setup with Jira.

The auto- transition of Jira issue is explained as the below.

The Development panel is a place where the repositories needs to be authenticated to effect the Jira work flow as explained above(Jira Work Flows).

The Gitlab Free Version or trail Version doesn't support such a feature.

Git Source Code
0 commits
Roll Up

Compare code

Branches
Create branch
  NEW-15-new-end-end-gitlab-setup ⊟ (0 behind, 0 ahead)

Merge requests
Create merge request

There is also a privilege in Jira for creation of new branch from this Development panel which is directly supported by the Atlassian Products such as Bitbucket.

Note : Gitlab is not a Atlassian products.

Hence the Auto transition with Jira for Gitlab is not supported.

Create Merge requests

| Repository | general |
| Source branch | NEW-15-new-end-end-gitlab-setup |

Target branch	Develop	▼
Title	NEW-15 new end-end gitlab setup	

Create Cancel

Branches

Create branch

⎇ NEW-15-new-end-end-gitlab-setup ⤢ (0 behind, 0 ahead)

Merge requests

Create merge request

🔀 NEW-15 new end-end gitlab setup OPENED

Open Opened 8 minutes ago by 🔷 **Administrator**   Edit   Close merge request

NEW-15 new end-end gitlab setup

🔀	Request to merge NEW-15-new-end-end-gi... 🔗 into Develop	Open in Web IDE	Check out branch	⚙ ▾

Closed Opened 15 minutes ago by 🔷 **Administrator**   Edit   Reopen merge request

NEW-15 new end-end gitlab setup

🔀	Request to merge NEW-15-new-end-end-gi... 🔗 into Develop	⚙ ▾
✓	Pipeline #29 passed for 89745088 on NEW-15-new-end-end-gi...	✓

▾ **Development**

Create branch

▾ **Agile**

View on Board

▾ **Hipchat discussions**

Do you want to discuss this issue? Connect to Hipchat.

▾ **Git Source Code**

0 commits
Roll Up

⤢ Compare code

Branches
Create branch

⎇ NEW-15-new-end-end-gitlab-setup ⤢ (0 behind, 1 ahead)
⎇ NEW-15-new-end-end-gitlab-setup ⤢ (0 behind, 1 ahead)

Merge requests
Create merge request

🔀 NEW-15 new end-end gitlab setup CLOSED
🔀 NEW-15 new end-end gitlab setup CLOSED

Connect   Dismiss