

Bitbucket- Jira integration

Application link between Jira & Bitbucket:-

1. create a project and repo in Bitbucket server.
2. application link the Bitbucket and Jira,
3. create a project and issues, workflow and sprint in Jira server.

reference for application link : [How to - Application Link with Jira.](#)

Jira configurations:-

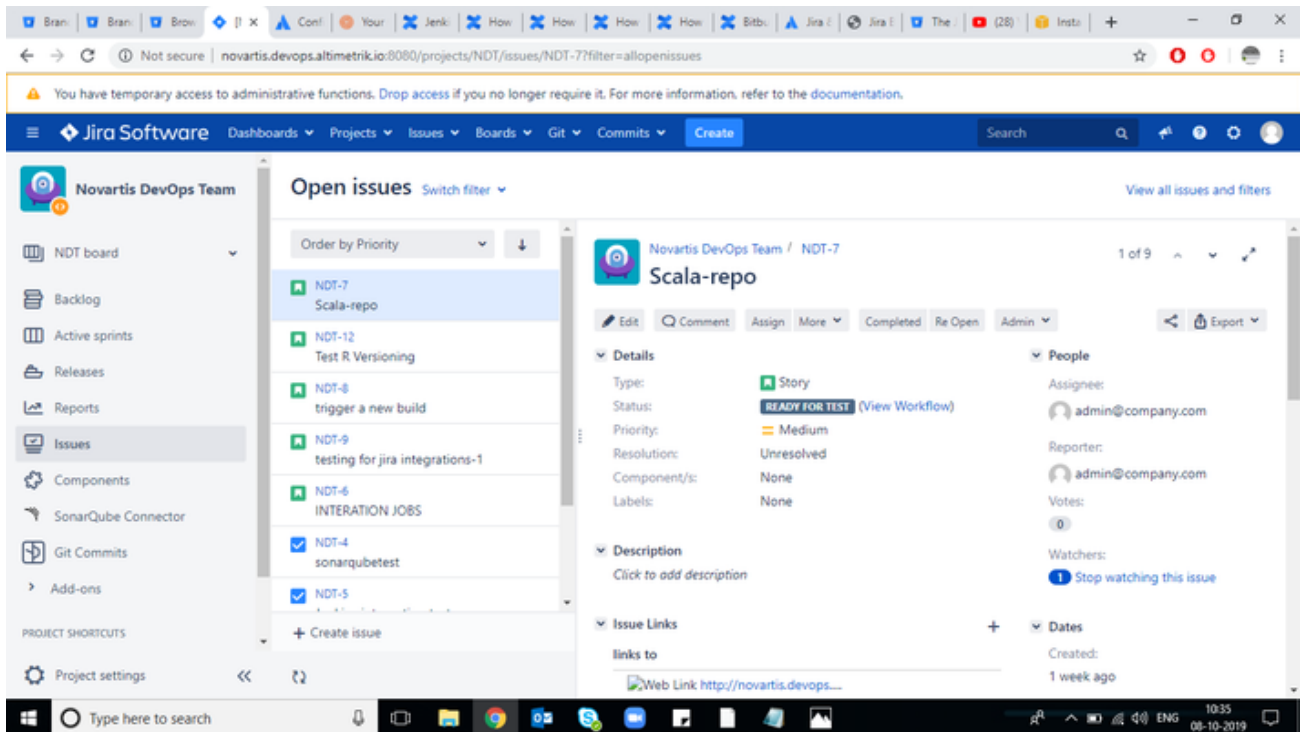
1. first you need to create a project in Jira and workflows, screen definition.
2. please go through the following documentation.
 - a. [How to Create a New Workflow in Jira](#)
 - b. [How to - Jira Auto-transition](#)
 - c. [How To - Jira - Screen Definitions](#)
3. after you define the project details and dash board you screen looks like below.

The screenshot displays the Jira Software interface for browsing projects. The main content area is titled 'All project types - All categories' and contains a table with the following data:

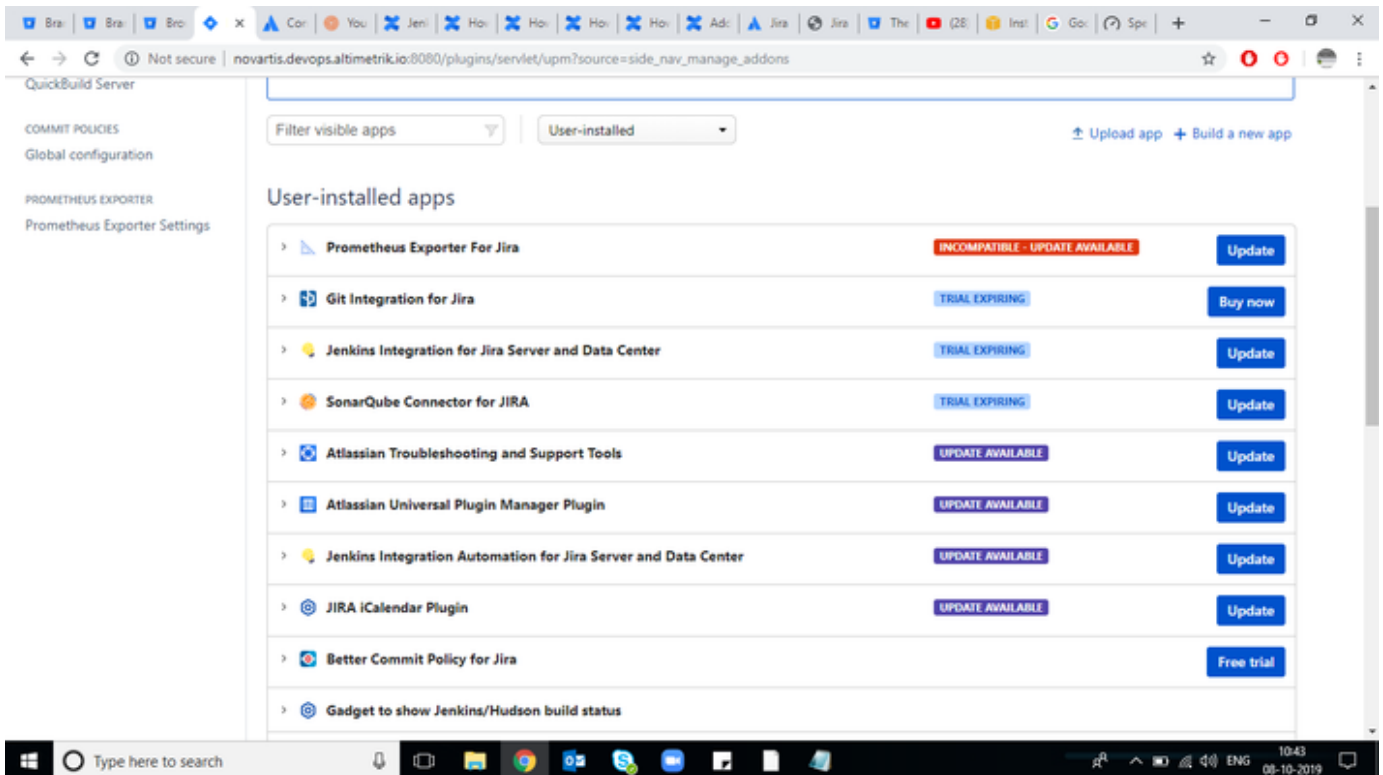
Project	Key	Project type	Project lead	Project category	URL
Novartis DevOps Team	NDT	Software	admin@company.com	No category	No URL
SDE	SDE	Software	admin@company.com	No category	No URL

The sidebar on the left shows 'PROJECT TYPES' with 'All project types' selected, and 'CATEGORIES' with 'All categories' selected. The bottom of the page indicates the software version (v6.0.2#800010-sha1:15b32da) and mentions it is powered by a free Atlassian Jira evaluation license.

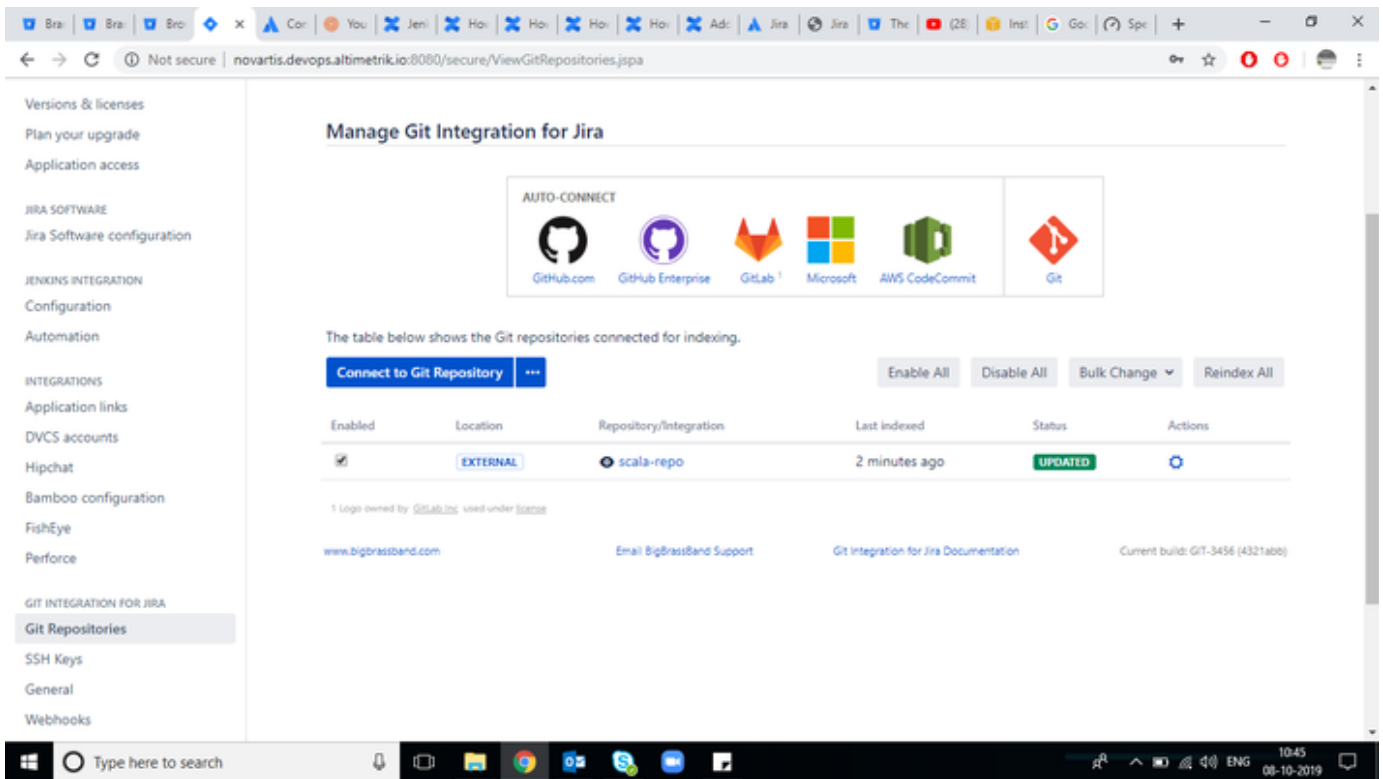
4.



5. now please install the following applications for Jira as i shown in below pic.

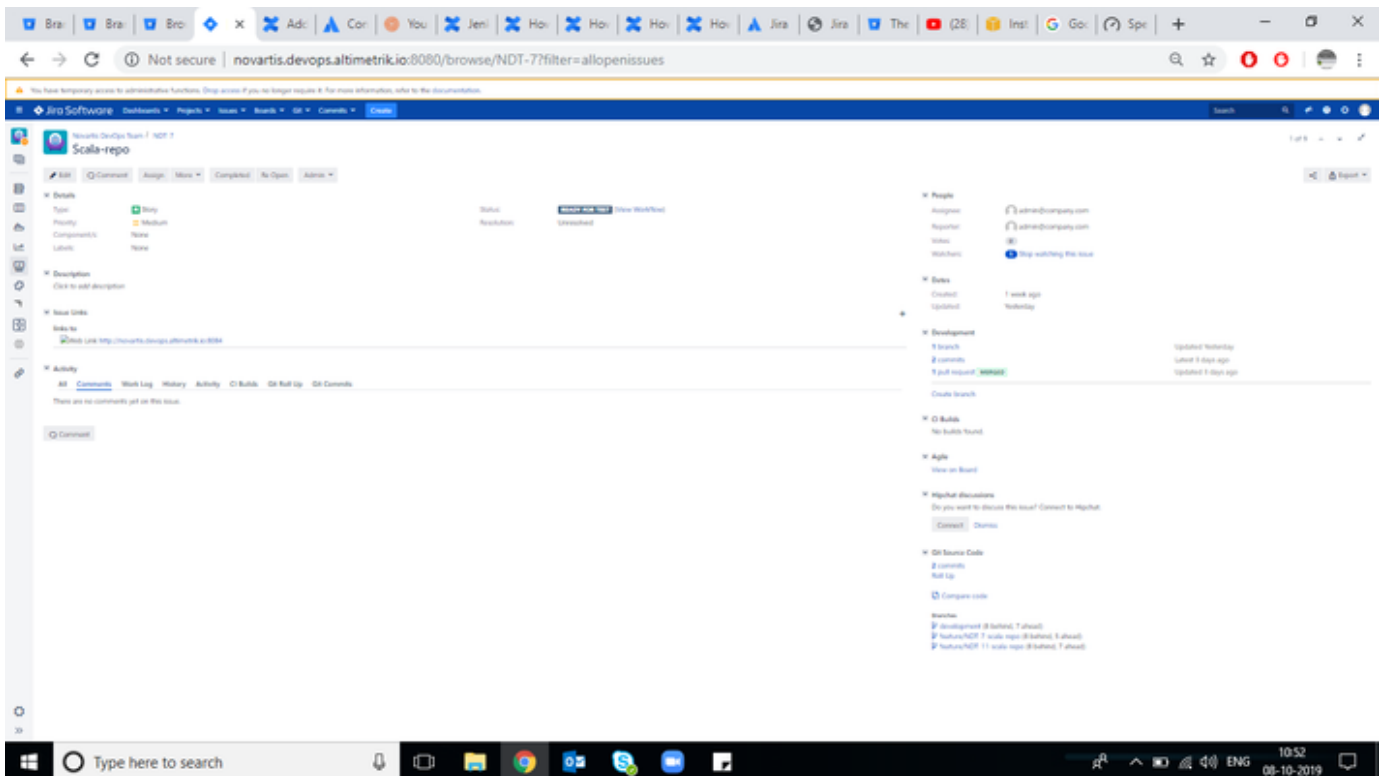


6. go to the administration settings and add the required repositories in git repositories section as below.



7. go to project dashboard and go to issues section, create a issue as below steps.

1. title of the issue.
2. mention type, priority, component, labels.
3. description, assignee, reporter, story points, any branches. see the below pic.



8. create a branch from corresponding repository, that issue is reflected in Bit-bucket and git commits data is able to see in Jira ticket.

Bitbucket Projects Repositories

Create branch for NDT-13

Repository: scala-testing-for-CI/CD / scala-repo

Branch type: Search for a repository

Branch from: Novartis-scala-demo / Nov-scala-demo

Branch name: feature/NDT-13-scala-repo

Git repository management powered by a free Atlassian Bitbucket evaluation license

Atlassian Bitbucket v5.12.2 - Documentation - Contact Support - Request a feature - About - Contact Atlassian

Generated by 938344f1-41f8-495d-8b2c-97b2f88bcb06. Cluster contains one node.

ATLASSIAN

Bitbucket Projects Repositories

Create branch for NDT-7

Repository: scala-testing-for-CI/CD / scala-repo

Branch type: Feature

Branch from: development

Branch name: feature/NDT-7-scala-repo

Git repository management powered by a free Atlassian Bitbucket evaluation license

Atlassian Bitbucket v5.12.2 - Documentation - Contact Support - Request a feature - About - Contact Atlassian

Generated by 16ce29eb-da0e-4644-aa1f-8908dc334a69. Cluster contains one node.

ATLASSIAN

The screenshot shows the Bitbucket web interface for a repository named 'scala-testing-for-CI/CD / scala-repo'. The 'Branches' tab is active, displaying a list of branches. The 'development' branch is highlighted as the 'BASE BRANCH'. Other branches include 'master' (DEFAULT BRANCH), 'feature/NDT-2-test-story', 'feature/NDT-9-testing-for-jira-integrations-1', 'feature/NDT-7-scala-repo', and 'feature/trigger-a-build'. Each branch entry shows its status (e.g., '7 8' for master), last update time (e.g., '5 hours ago'), and associated pull requests or issues (e.g., 'OPEN', 'NDT-2', 'NDT-9', 'MERGED', 'NDT-7').

Branch	Last tag	Behind/Ahead	Updated	Pull requests	Issues	Builds	Sonar	Actions
master (DEFAULT BRANCH)		7 8	5 hours ago	OPEN			SUCCESS	...
feature/NDT-2-test-story		7 1	6 hours ago		NDT-2		UNKNOWN	...
feature/NDT-9-testing-for-jira-integrations-1		7 1	6 hours ago		NDT-9		UNKNOWN	...
development (BASE BRANCH)			6 hours ago				UNKNOWN	...
feature/NDT-7-scala-repo		5 3	6 hours ago	MERGED	NDT-7		UNKNOWN	...
feature/trigger-a-build		7 2	6 hours ago				UNKNOWN	...

9. you can able to check the issue and edit the change in Jira issue in Bitbucket also same while be reflected in jira.

The screenshot shows the same Bitbucket repository page, but with a 'Jira Issues' modal window open. The modal displays details for a Jira issue titled 'Scala-repo' from the 'Novartis DevOps Team / NDT-7' project. The issue is marked as 'Rejected' and 'Approved'. The details section shows the issue type as 'Story', priority as 'Medium', status as 'IN REVIEW', and assignee as 'admin@company.com'. The description field is empty, showing 'No description'.

Jira Issues

Novartis DevOps Team / NDT-7

Scala-repo

Rejected Approved

Details

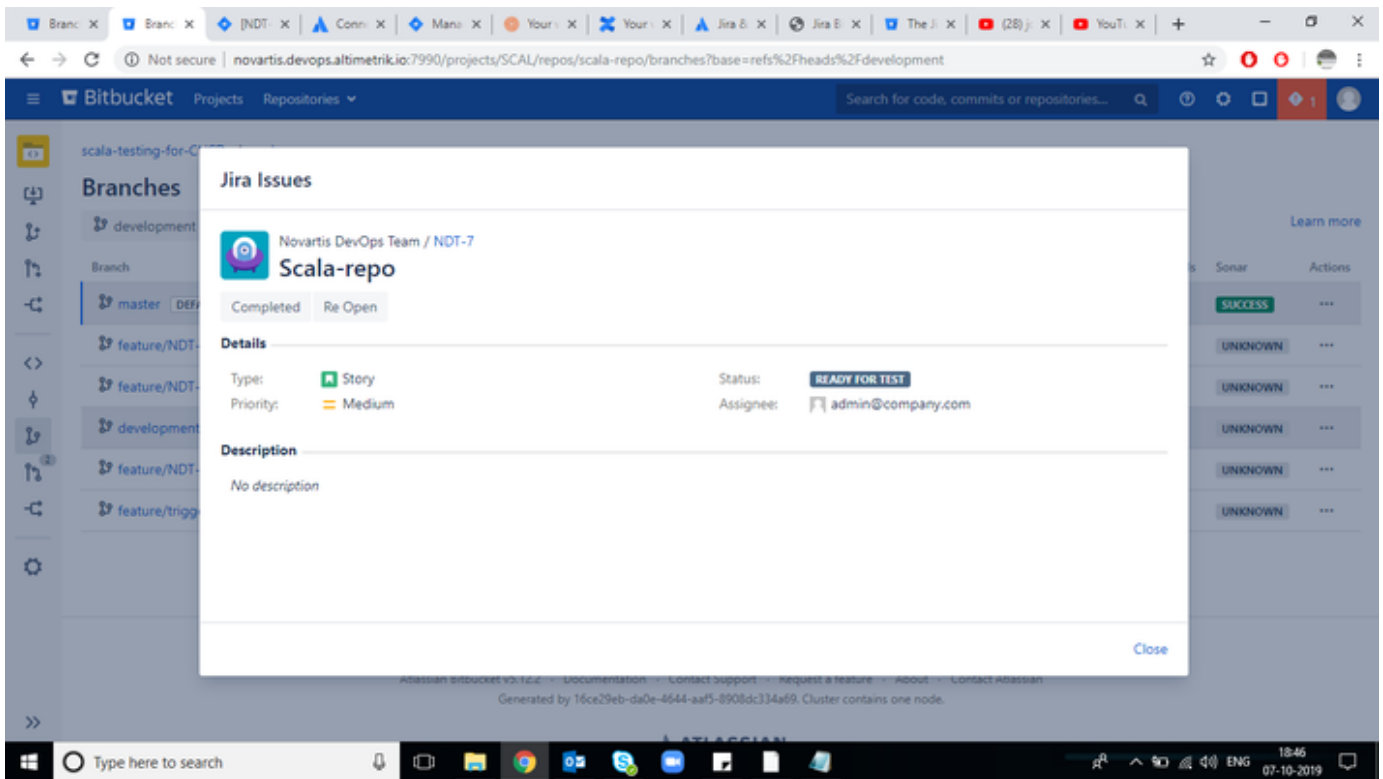
Type: Story Status: IN REVIEW

Priority: Medium Assignee: admin@company.com

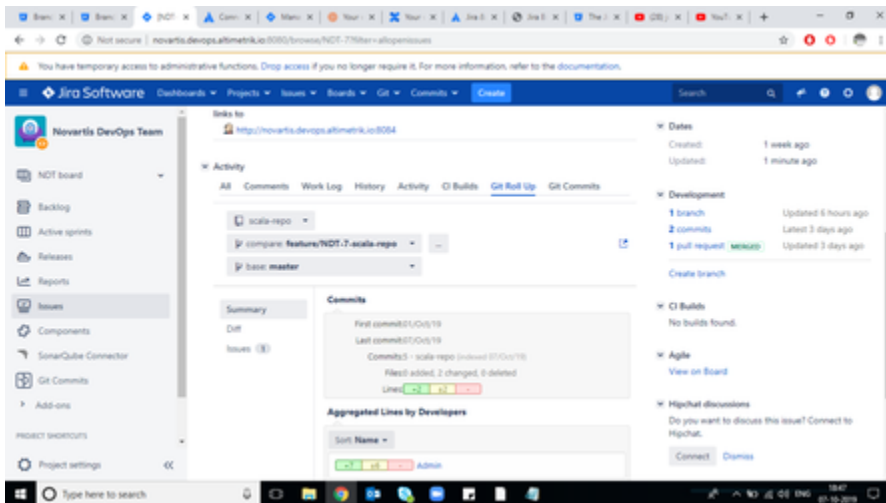
Description

No description

Close



10. now you can check the git data of corresponding data in Jira issue ticket in right side.



Novartis DevOps Team

NDT board

Backlog

Active sprints

Releases

Reports

Issues

Components

SonarQube Connector

Git Commits

Add-ons

PROJECT SHORTCUTS

Project settings

Search

merge pull request #2 in SCAL/scale-repo from master to feature/NDT-7-scale-repo

View full commit

* commit: f3a3f4b419c5e264772b4b3bf847c3384f
plugin.txt edited online with Bitbucket
build.txt edited online with Bitbucket

scale-repo

feature/NDT-7-scale-repo

8af5b40240340397a5208091444b4b5b79ead

prazanna committed 3 days ago

merge pull request #4 in SCAL/scale-repo from feature/NDT-7-scale-repo to development

View full commit

* commit: 91844b4188b0b627537383b4b70473a54a9b1
update
helloWorld.txt edited online with Bitbucket

scale-repo

development

a93c34f4ba1119f5402718061602b3c74198c

Create branch

CI Builds

No builds found.

Agile

View on Board

Hipchat discussions

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

Connect

Dismiss

Git Source Code

2 commits

Roll Up

Compare code

Branches

development (3 behind, 7 ahead)

feature/NDT-7-scale-repo (3 behind, 5 ahead)

Novartis DevOps Team

NDT board

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PROJECT SHORTCUTS

Project settings

Search

Activity

Comments

Work Log

History

Activity

CI Builds

Git Roll Up

Git Commits

scale-repo

induced 3 minutes ago

prazanna committed 3 days ago

merge pull request #2 in SCAL/scale-repo from master to feature/NDT-7-scale-repo

View full commit

* commit: f3a3f4b419c5e264772b4b3bf847c3384f
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scale-repo

feature/NDT-7-scale-repo

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update
helloWorld.txt edited online with Bitbucket

scale-repo

development

a93c34f4ba1119f5402718061602b3c74198c

Development

1 branch

Updated 6 hours ago

2 commits

Latest 3 days ago

1 pull request

setback

Updated 3 days ago

Create branch

CI Builds

No builds found.

Agile

View on Board

Hipchat discussions

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

Connect

Dismiss

Git Source Code

2 commits

Roll Up

Novartis DevOps Team

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PROJECT SHORTCUTS

Project settings

Search

Activity

Comments

Work Log

History

Activity

CI Builds

Git Roll Up

Git Commits

scale-repo

compare: feature/NDT-7-scale-repo

base: master

Summary

Diff

Issues (3)

Commits

First commit: 01/04/19

Last commit: 01/04/19

Commits: 5 - scale-repo (induced 01/04/19)

Files: 0 added, 2 changed, 0 deleted

Lines: 0 added, 2 changed, 0 deleted

Aggregated Lines by Developers

Sort Name

0 added 2 changed 0 deleted

Files

Created

1 week ago

Updated

1 minute ago

Development

1 branch

Updated 6 hours ago

2 commits

Latest 3 days ago

1 pull request

setback

Updated 3 days ago

Create branch

CI Builds

No builds found.

Agile

View on Board

Hipchat discussions

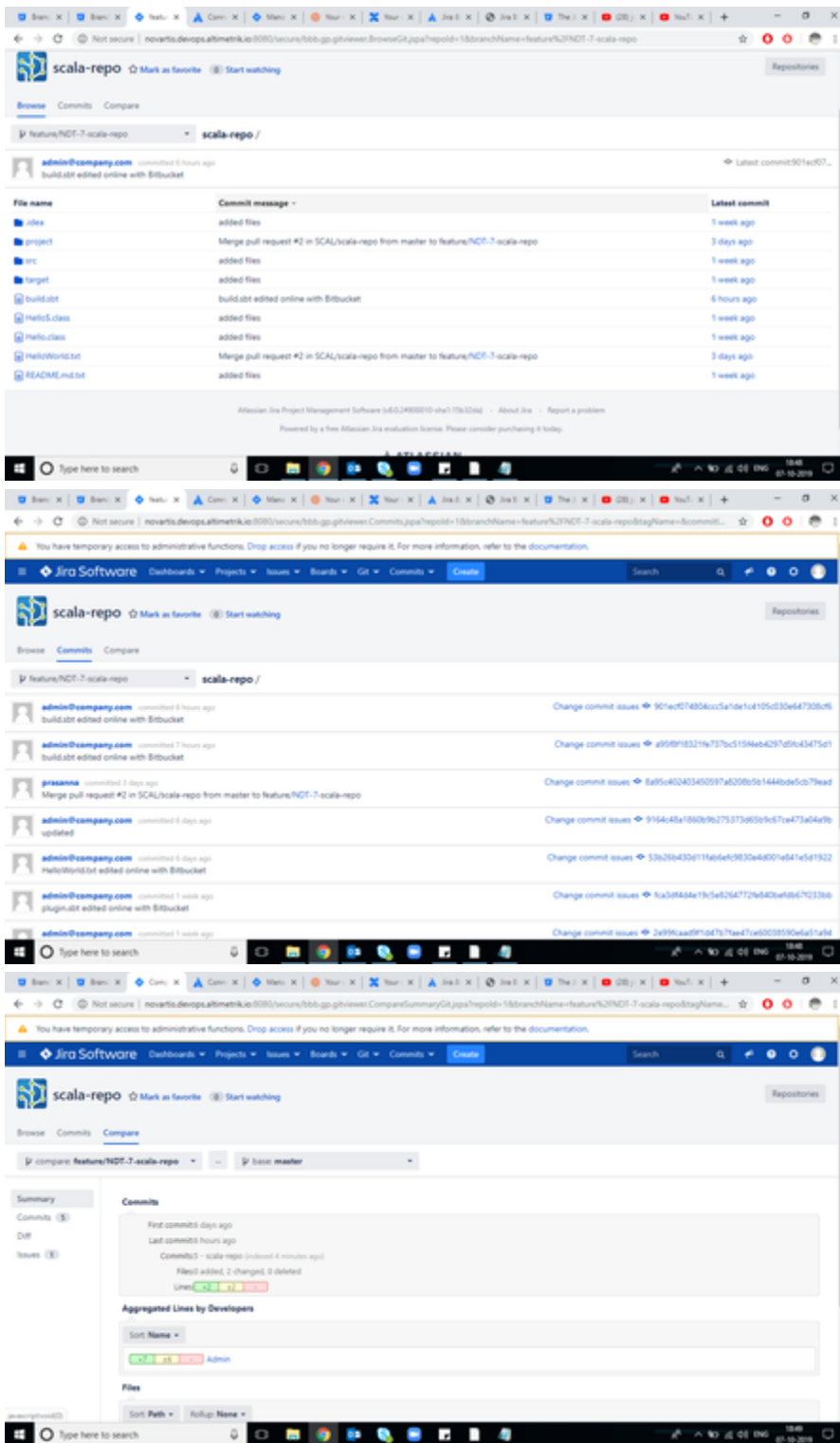
Do you want to discuss this issue? Connect to Hipchat.

Connect

Dismiss

Git Source Code

2 commits



11. you can able to see the commits for that branch and source code data and changes in the Jira ticket itself see the above pics.

12. you can add the triggers action for specific task in the Jira issues. they are PR created, merged, commit created, branch created etc. for this, we need to add workflows in administration settings and add the flows, create the actions as below, for more details see above links.

