



GitLab

GitLab Basics for Developers

# A Complete DevOps Platform Delivered as a Single Application



Manage



Plan



Create



Verify



Package



Secure



Release



Configure



Monitor



Defend

Single Conversation  
Single Data Store  
Single Permission Model  
Single Interface  
Governance & Security  
Team Collaboration  
Lifecycle Analytics



## Create Stage

### Gitlab Basics - Lab 2

## Lab Assignment

### Part 2

**Scenario:** Use CI features to branch from, modify, and integrate updates into a known repository state.

#### *Key Tasks to Complete*

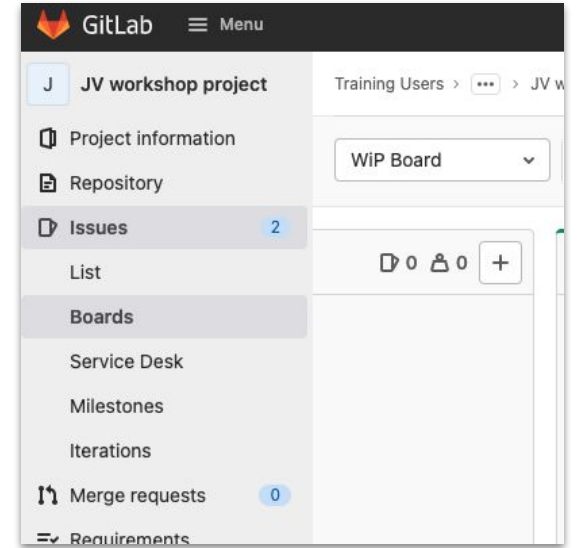
1. Review Issue
2. Create a MR
3. Open in Web IDE
4. Modify README.md file
5. Commit file changes
6. Resolve Draft Status
7. Merge changes

# Access project issues



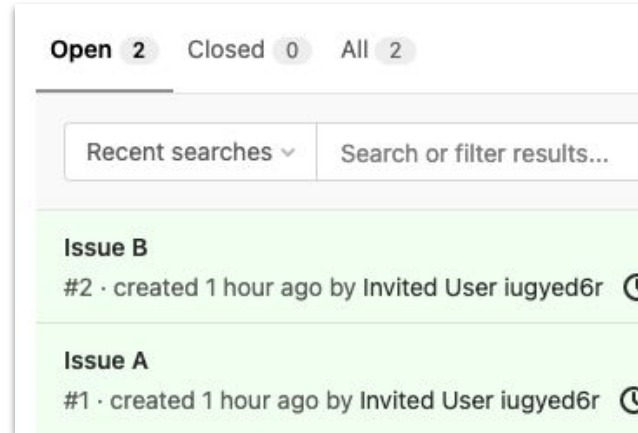
## In the project repository:

1. Select 'Issues'.



## From the project issues list:

1. Select '<any issue>'.

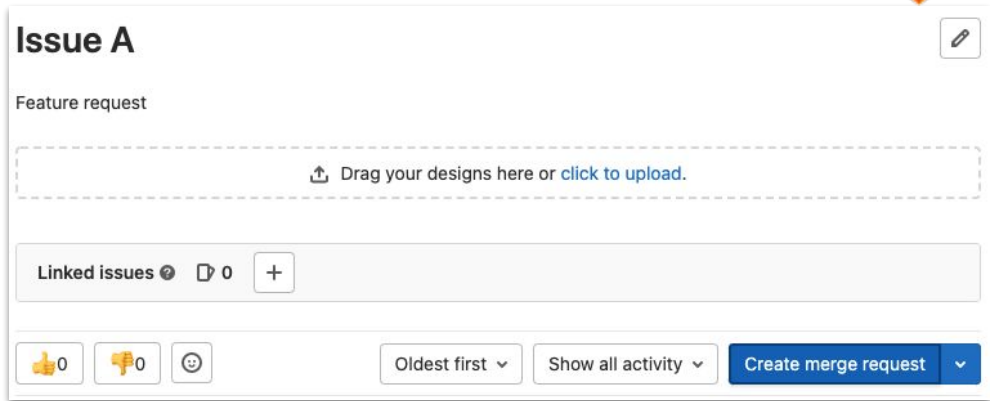


# Create a Merge Request from issue



## From Issues detail view:

1. Select '**Create merge request**' button.



## From your Merge Request view:

1. Select '**Open in Web IDE**' button.



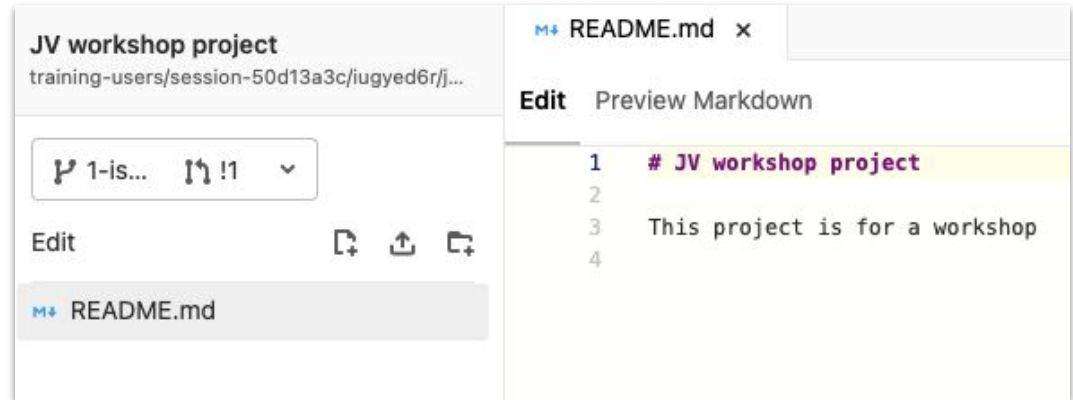
FYI, the Merge Request (MR) is in **“Draft”** – it can not merged into a target baseline until the MR is marked as **“Ready”**.

# Access file from Web IDE



## From the Web IDE view:

1. Select '**README.md**' from the list of project files.
2. File contents will be displayed in the edit pane.



## From the Web IDE edit pane:

1. Modify the contents of the '**README.md**' file in the '**Edit**' pane.
2. Example: "**This line has been edited**".
3. Select the '**Commit**' button.

**Note:** Below the commit button it tracks the number of the files that you have changed



# Web IDE: file diffs



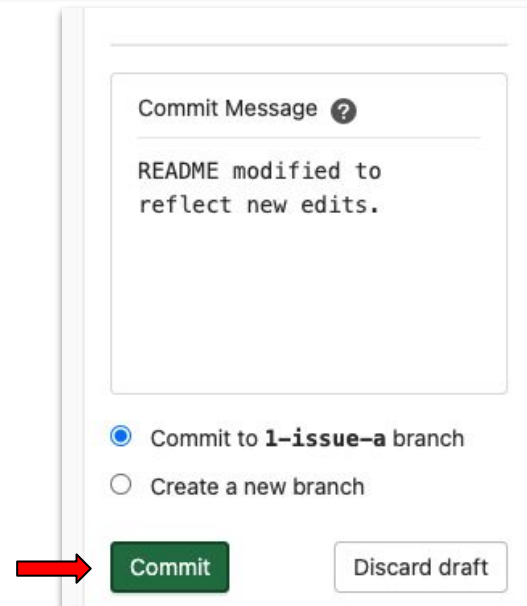
## From your Web IDE view:

1. Confirm before/after changes to file in a side-by-side view.



## From your Web IDE view:

2. Add text to 'Commit Message' pane.
3. Select the 'Commit' button.

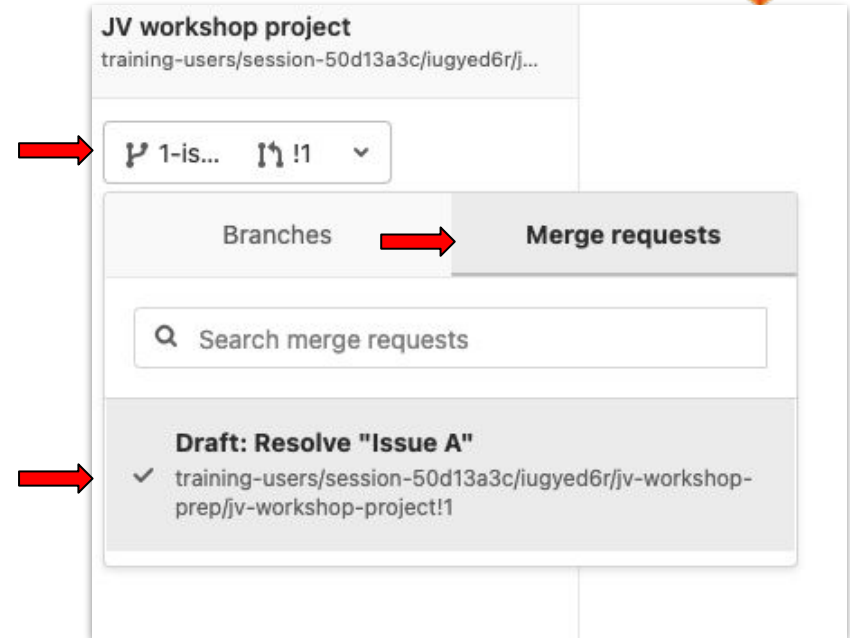


# Web IDE: consolidated content



## From your Web IDE view:

1. Select the **'Branches/MR'** drop-down menu.
2. Select the **'Merge Requests'** tab.
3. Select the Merge Request for this change.



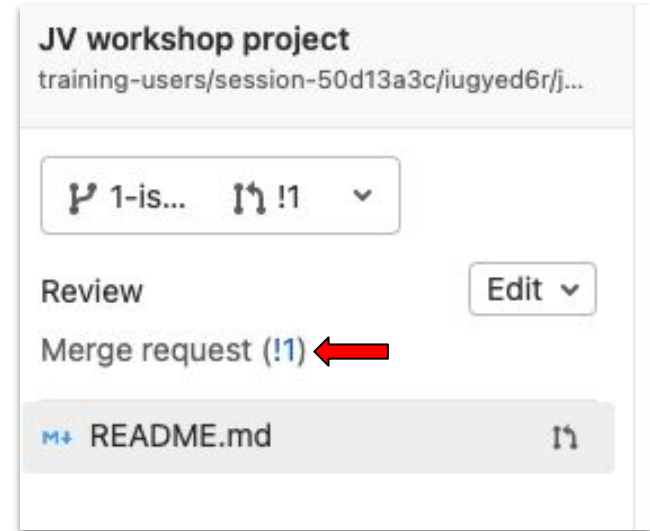


# Web IDE: return to MR



## From your Web IDE view:

1. Select the hyperlinked '**!MR**'.
2. Example: '**!1**'.



# MR details



From the MR details view, confirm these key *automated* details.

1. Link with issue.
2. Branching/target links.
3. Approval information.
4. Inherited milestone association.
5. Inherited labels.
6. Commit history.

The screenshot displays a GitLab Merge Request (MR) details page. The title is "Draft: Resolve 'Issue A'". The status is "Draft", created 13 minutes ago by "Invited User iugyed6r". The page is divided into several sections:

- Overview:** Shows "Closes #1" with a red arrow pointing to the link.
- Request to merge:** Shows "Request to merge 1-issue-a into main" with a red arrow pointing to the "into main" link.
- Approval:** Shows "Approval is optional" with a red arrow pointing to the "View eligible approvers" link.
- Merge status:** Shows "This merge request is still a draft." with a red arrow pointing to the "Mark as ready" button.
- Labels:** Shows "OS Linux" with a red arrow pointing to the label.
- Activity:** Shows a list of activities with a red arrow pointing to the "Invited User iugyed6r @iugyed6r added 1 commit 3 minutes ago" entry.

On the right side, there is a sidebar with the following information:

- Assignee:** Invited User iugyed6r @iugyed6r
- Reviewers:** 0 Reviewers
- Milestone:** Milestone A (with a red arrow pointing to the milestone name)
- Time tracking:** No estimate or time spent
- Labels:** OS Linux (with a red arrow pointing to the label)
- Lock merge request:** Unlocked
- Participant:** 1 participant (Invited User iugyed6r @iugyed6r)
- Notifications:** Reference: training-users/ses, Source branch: 1-issue-a

# MR view: commit details



## From the MR details view:

1. Select **'Commits'** tab.

### Draft: Resolve "Issue A"

Overview 0 **Commits 1** Changes 1

09 Oct, 2021 1 commit



README modified to reflect new edits.

Invited User iugyed6r authored 4 minutes ago

Add previously merged commits

## From the MR details view:

1. Select **'Changes'** tab.
2. Confirm before/after changes to file in red/green view.

### Draft: Resolve "Issue A"

Overview 0 Commits 1 **Changes 1** 

Compare main and latest version

▼ README.md

1	1	# JV workshop project
2	2	
3		- This project is for a workshop
		\ No newline at end of file
3	3	+ This project is for a workshop
4	4	+
5	5	+ This line has been edited.

# MR view: aggregated data



## From the MR details view:

1. Select '**Overview**' tab.

## From the MR details view, confirm these key *automated* details.

2. '**Approval**' panel for status of outstanding approvals.
3. '**Merge**' button is "grayed out" to prevent accidental merging of unfinished work.

## From the MR details view:

4. Select the '**Mark as ready**' button.

**Draft: Resolve "Issue A"**

Overview 0 Commits 1 Changes 1

Closes #1

Request to merge 1-issue-a into main [Open in Web IDE](#)

Approval is optional [View eligible approvers](#)

! Merge This merge request is still a draft. [Mark as ready](#)

Draft merge requests can't be merged.

Closes #1

# MR view: ready for integration



From the MR details view,  
confirm the MR is ready for  
integration.

1. Banner alerts viewers of ability to merge this MR.
2. **'Draft'** prefix is dropped from MR title.
3. **'Merge'** button is colored blue.

From the MR details view:

4. Select the **'Merge'** button.



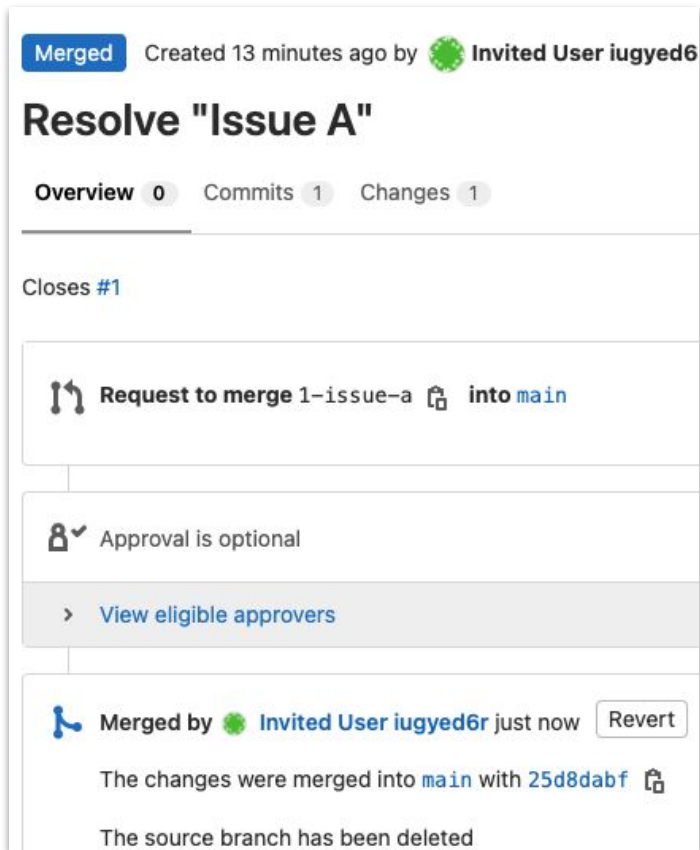

The screenshot shows the GitLab MR details view for a merge request titled "Resolve 'Issue A'". At the top, a light blue banner states "The merge request can now be merged." Below this, there is a green "Open" button and text indicating it was created 13 minutes ago by an "Invited User". The title "Resolve 'Issue A'" is prominently displayed. Under the title, there are tabs for "Overview" (0), "Commits" (1), and "Changes" (1). Below the tabs, it says "Closes #1". A section shows a branch icon and the text "Request to merge 1-issue-a into main". Another section indicates "Approval is optional" with a link to "View eligible approvers". At the bottom, there is a green checkmark icon, a blue "Merge" button, and a checked checkbox for "Delete source branch".



# MR view: merge changes




From the MR details view, confirm the MR has been integrated.

1. 'Merged' badge replaces 'Open' badge.
2. 'Merged by' reflects integrator and branch/target information.



The screenshot displays a GitLab Merge Request (MR) titled "Resolve 'Issue A'". At the top, a blue "Merged" badge is visible, followed by the text "Created 13 minutes ago by  Invited User iugyed6". Below the title, there are tabs for "Overview" (0), "Commits" (1), and "Changes" (1). The "Overview" tab is selected. Underneath, it says "Closes #1". A section titled "Request to merge 1-issue-a" shows the merge target as "into main". Below this, a section indicates "Approval is optional" with a link to "View eligible approvers". At the bottom, a section titled "Merged by" shows the user  Invited User iugyed6r just now, with a "Revert" button. Below this, it states "The changes were merged into main with 25d8dabf" and "The source branch has been deleted".





GitLab

Everyone can contribute