

## **creating a merge request in GitLab**

In GitLab, a Merge Request (MR) is how you propose changes from one branch to another — usually from a feature branch into the main or develop branch. It's similar to a "Pull Request" in GitHub.

Here's the detailed process:

### **1. Prerequisites**

Before creating a merge request, you need:

- A GitLab repository.
- A new branch with your changes (created and pushed to GitLab).
- Permissions to create merge requests in the repository.

### **2. Steps to Create a Merge Request**

#### **A. Push your branch to GitLab**

If you haven't already:

**# Create a new branch**

**git checkout -b feature-branch**

**# Make changes and commit**

**git add .**

**git commit -m "Add my new feature"**

## **# Push to GitLab**

**git push origin feature-branch**

### **B. Open the Merge Request in GitLab**

- 1. Log in to your GitLab account.**
- 2. Go to your project's Repository.**
- 3. GitLab often shows a "Create merge request" button immediately after pushing a branch — click it.**

**Or go to:**

- **Menu → Merge Requests → New Merge Request.**
- 4. Select:**
    - **Source branch (your feature branch).**
    - **Target branch (e.g., main or develop).**
  - 5. Click Compare branches and continue.**

### **C. Fill in the Merge Request details**

- **Title: A clear summary of your change.**
- **Description: Explain what's being changed, why, and any testing details.**
- **Assignee: Assign to yourself or the reviewer.**
- **Labels: Add tags like bug, feature, urgent.**
- **Milestone: (Optional) Link to a project milestone.**
- **Reviewers: Add people who should review your MR.**

### **D. Create and Submit**

- **Click Create merge request.**

- **Your MR will now appear in the Merge Requests list.**

### **3. Review & Approval**

- **Reviewers can comment, request changes, or approve.**
- **You may need to update your branch (via git push) to fix issues.**

### **4. Merge**

**Once approved:**

- **Click Merge in GitLab UI.**
- **If the option Delete source branch is selected, GitLab will remove the feature branch after merging.**