“Good Practices of GIT ”

André Costa e Silva – Jun 23

Get Started Contact Us

GIT vs. Gitlab

GIT is a distributed version control system that monitors changes and simplifies branching and merging, enabling offline work and collaboration.

GitLab is a web-based DevOps tool that enhances GIT with a user-friendly web interface. It offers issue tracking, code review, and continuous integration/deployment (CI/CD) capabilities.

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Why GitLab?

- Complete DevOps Platform *(Code Management, CI/CD, Issue Tracking, etc.)*
- Built-in CI/CD Capabilities *(Building, Testing, Deployment, etc.)*
- Powerful Collaboration *(Code Review, MRs, Commenting, etc.)*
- Web-based Interface
- Open Source

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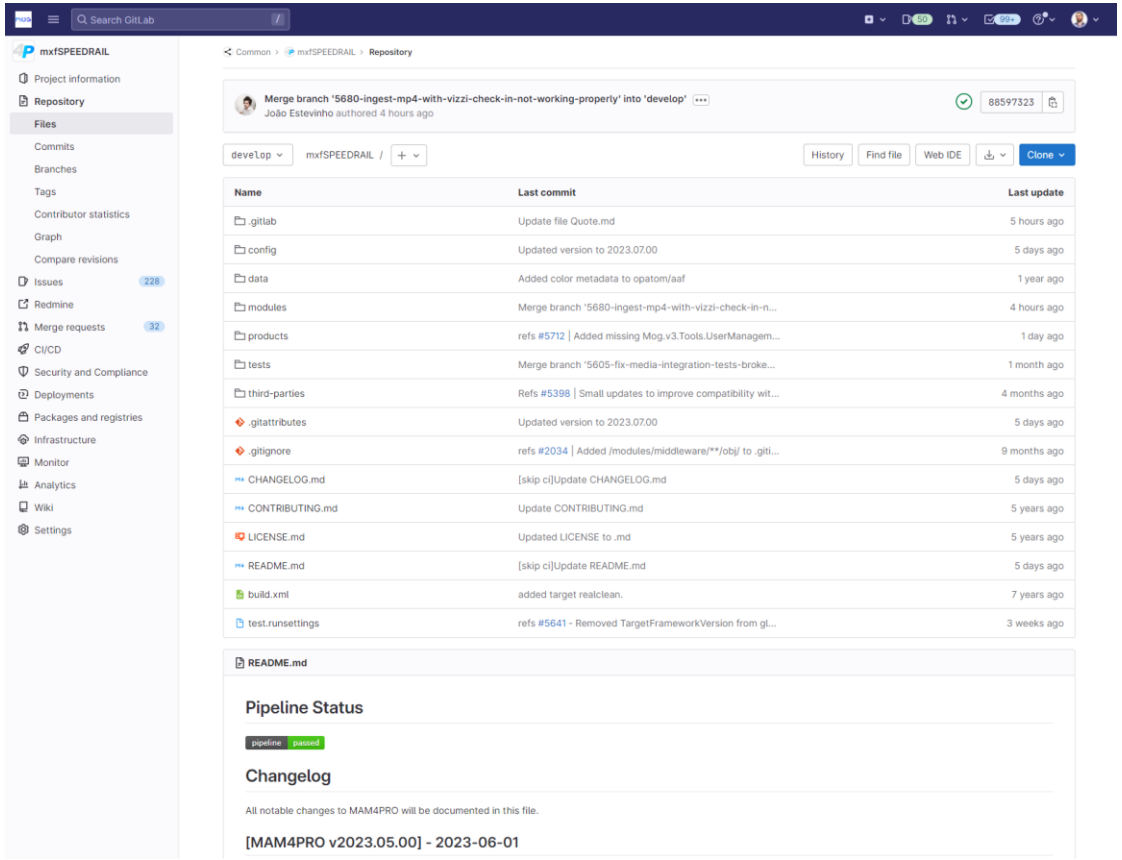

GitLab

https://gitlab.mog-technologies.com/

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GitLab Issues Overview

Definition of GitLab Issues

GitLab issues are virtual tickets used for tracking tasks, bugs, and feature requests in software development projects.

Purpose of GitLab Issues

GitLab issues serve as a centralized platform for managing and organizing work items, ensuring successful completion.

Tracking Tasks

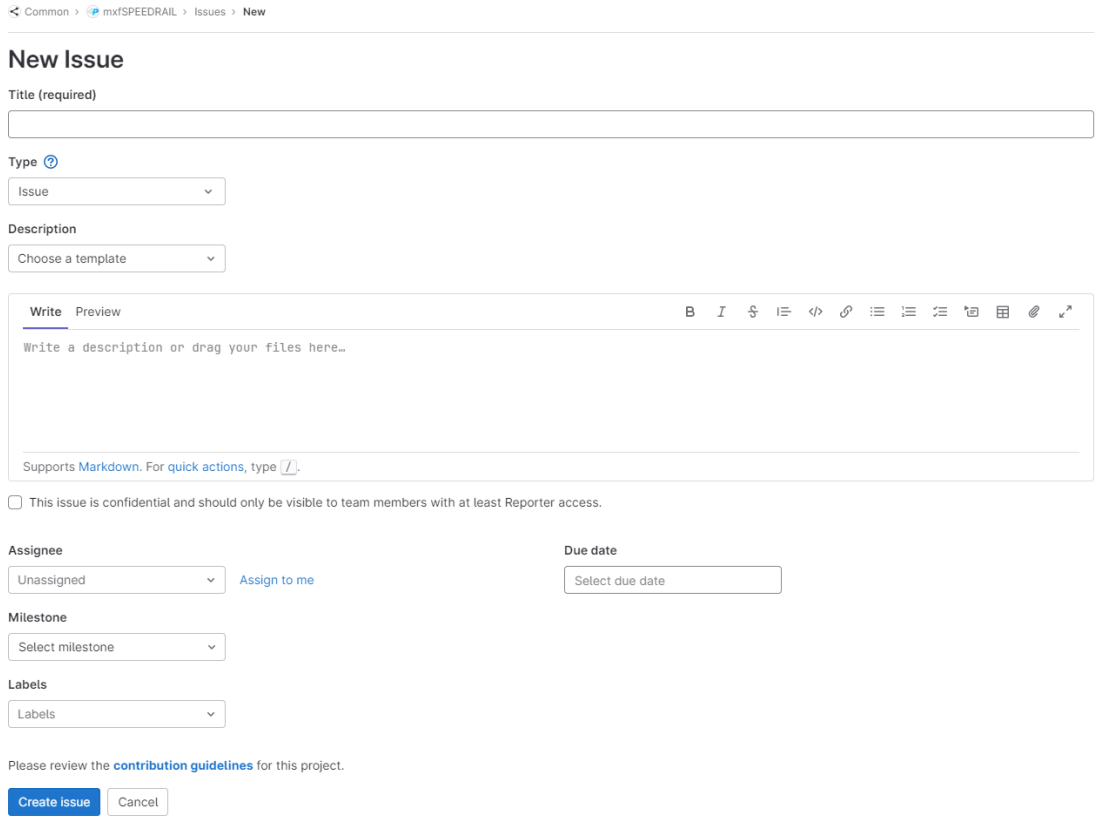
GitLab issues track individual tasks or work items, allowing team members to create, assign, and update their progress.

Managing Bugs

Issues are used to report and address software bugs or defects, providing a structured approach for resolution.

Capturing Feature Requests

GitLab issues capture and prioritize feature requests from stakeholders, fostering collaboration and decision-making.



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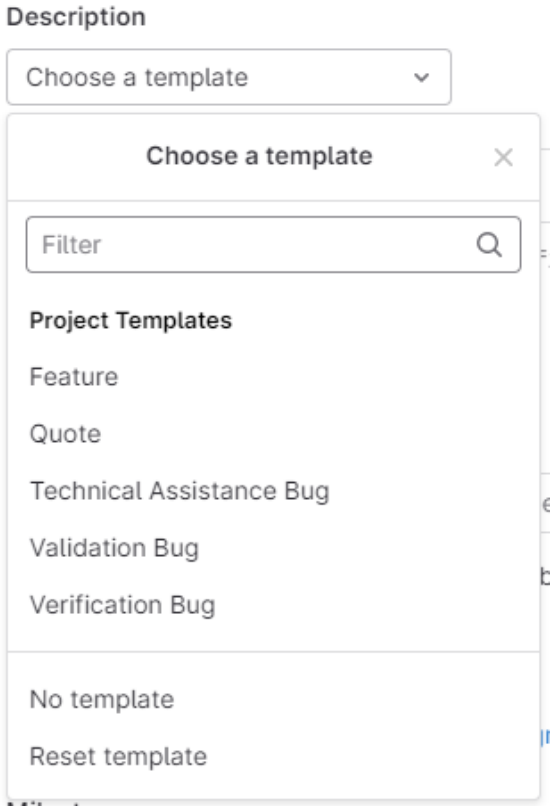
Types of GitLab Issues



#Labels

- Quote
- Feature
- Enhancement
- Technical Assistance Bug
- Validation Bug
- Verification Bug
- Task

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Creating Quotes – Required Info

Customer - Who is requesting this evaluation?

Product - Where the development should be developed?

Version - Product Version where the development should be based on?

Description - Summarize the requirement concisely.

Owner - Entity that owns this Quote.

Stakeholders - Those who affect or are affected by this evaluation.

Block Diagram/Mock-Ups - A diagram showing in schematic form the general arrangement of the parts.

Work Breakdown Structure (WBS) - Deliverable-oriented hierarchical decomposition of the work to be executed.

What Technologies? - Identify the involved technologies.

Which Integration Interfaces? - Interfaces involved.

How to Test? - How can we test this scenario once it’s deployed?

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Creating Features - Required Info

Description - Include problem, use cases, benefits, and/or goals.

Proposal – Proposed solution for the problem.

Links/references – Additional links and references that relate to the Feature.

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Creating Bugs - Required Info

Customer - Customer where the bug was first detected.

Product - Product where the bug occurs.

Version - Product Version where the bug occurs.

Summary - Summarize the bug encountered concisely.

Steps to reproduce - How one can reproduce the issue - this is very important.

What is the current *bug* behavior? - What actually happens.

What is the expected *correct* behavior? - What you should see instead.

Relevant media - Paste any relevant file path.

Relevant logs and/or screenshots - Paste any relevant logs.

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Managing Issues

Customer > Sales > (Pre-Sales) > Quote > Specs > Development > Verification > Validation > (Post-Sales) > Customer

Sprint – This is a time-bound iteration in Agile development where a team focuses on delivering a specific set of tasks and aims to produce a usable product increment.

Milestone – This is a significant achievement in a project that represents progress toward the overall project goal.

Product :: Milestones

With Roadmap (Features & Enhancements) + Validation & Verification Bugs + Other Tasks

Customers :: Milestones

With Technical Assistance Bugs + Customer Requests/Orders

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mxfSPEEDRAIL
Project information
Repository
Issues 228
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Boards
Service Desk
Milestones
Redmine
Merge requests 32
CI/CD
Security and Compliance
Deployments
Packages and registries
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Open 13 | Closed 654 | All 667

Filter by milestone name | Due soon | New milestone

India TV 2023 Week 23
Jun 5, 2023–Jun 11, 2023
Open | Common / mxfSPEEDRAIL
1 Issue · 1 Merge request — 0% complete
Close Milestone

GAS 2023 Week 24
Jun 5, 2023–Jun 18, 2023
Open | Common / mxfSPEEDRAIL
4 Issues · 1 Merge request — 0% complete
Close Milestone

PCCW 2023 Week 24
Jun 5, 2023–Jun 18, 2023
Open | Common / mxfSPEEDRAIL
7 Issues · 1 Merge request — 0% complete
Close Milestone

DW 2023 Week 24
May 8, 2023–Jun 18, 2023
Open | Common / mxfSPEEDRAIL
2 Issues · 1 Merge request — 0% complete
Close Milestone

Sprint 2023 Week 24
Jun 5, 2023–Jun 18, 2023
Open | Common / mxfSPEEDRAIL
38 Issues · 8 Merge requests — 13% complete
Close Milestone

Release Branch 2023.06
Jun 1, 2023–Jun 30, 2023
Open | Common / mxfSPEEDRAIL
2 Issues · 0 Merge requests — 50% complete
Close Milestone

PCCW 2023 Week 26
Jun 19, 2023–Jul 2, 2023
Upcoming | Common / mxfSPEEDRAIL
5 Issues · 0 Merge requests — 0% complete
Close Milestone

Sprint 2023 Week 26
Jun 19, 2023–Jul 2, 2023
Upcoming | Common / mxfSPEEDRAIL
4 Issues · 0 Merge requests — 0% complete
Close Milestone

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Open **Milestone** Jun 5, 2023–Jun 18, 2023

Close milestone

Sprint 2023 Week 24

Milestone ID: 1625

Issues 38 | Merge requests 8 | Participants 10 | Labels 21

Unstarted Issues (open and unassigned) 0

Ongoing Issues (open and assigned) 33

New Workflow - File Delete
#5651 Customer Order Feature GUI MW Media

Cannot Import Full BackUp
#5707 GUI MW On Merge Request Technical Assistance Bug

Select/deselect Toolbar on Asset explorer Hides Last Asset
#5704 GUI Technical Assistance Bug

Problems of Performance with New Chrome 113 Update
#5665 GUI Media QA _dev Technical Assistance Bug

Capture - DeckLink IP/SDI HD
#5688 Feature Media v2023.07.00

sCapture & rPlayerSDI - VDCP control for third party systems
#5646 Feature Media

GUI - Pop-up player
#5612 Feature GUI MAM4PRO

Vizzi - Support update check-in
#5553 Feature GUI MW Media Specs

Completed Issues (closed) 5

Asset Explorer - Location Name in Wrong Position
#5697 Enhancement GUI QA _dev v2023.07.00

Able to extract metadata from an MPEG-TS with multiple PID's
#5684 Enhancement Media

Mog.v3.Tools.UserManagement tool does not open
#5712 MW QA _dev Verification Bug

CICD - Fix MAT Token
#5708 DevSecOps Task

CICD - merge-release-to-dev job
#5705 DevSecOps Task

13% complete

Start date Edit
Jun 5, 2023

Due date Edit
Jun 18, 2023 (11 days remaining)

Issues 38 New issue
Open: 33 **Closed: 5**

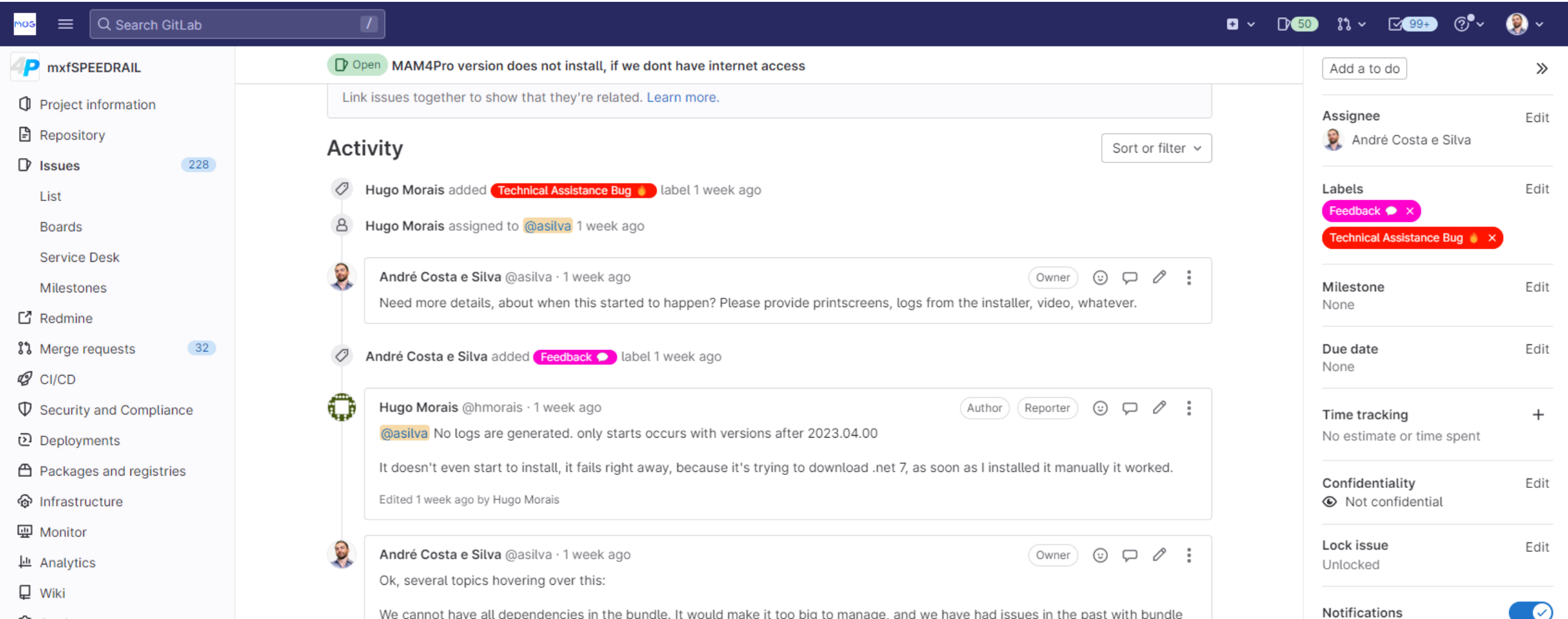
Time tracking
Estimated: 1d

Merge requests 8
Open: 4 **Closed: 0** **Merged: 4**

Releases
None

Reference: common/mxfSPEED...

Collaborating on Issues



Take aways…

- **High-Quality Products:** Efficient GitLab usage ensures top-notch software quality.
- **Faster Time-to-Market:** Streamlined development and GitLab capabilities accelerate product releases.
- **Efficient Issue Management:** GitLab's robust issue tracking enables effective problem resolution.
- **Continuous Integration:** GitLab's CI/CD integration facilitates automated testing and deployment.
- **Enhanced Customer Satisfaction:** Improved product quality and reliable features drive higher customer satisfaction.

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Questions?

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Thank you!

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