

# “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.

## 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





mxfsPEEDRAIL

Repository

Merge branch '5680-ingest-mp4-with-vizzi-check-in-not-working-properly' into 'develop' ...  
João Estevinho authored 4 hours ago

deveLop mxfsPEEDRAIL

Name	Last commit	Last update
gitlab	Update file Quote.md	5 hours ago
config	Updated version to 2023.07.00	5 days ago
data	Added color metadata to opatom/aaf	1 year ago
modules	Merge branch '5680-ingest-mp4-with-vizzi-check-in-n...	4 hours ago
products	refs #5712   Added missing Mog.v3.Tools.UserManagem...	1 day ago
tests	Merge branch '5605-fix-media-integration-tests-broke...	1 month ago
third-parties	Refs #5398   Small updates to improve compatibility wit...	4 months ago
gitattributes	Updated version to 2023.07.00	5 days ago
gitignore	refs #2034   Added /modules/middleware/**/obj/ to giti...	9 months ago
CHANGELOG.md	[skip ci]Update CHANGELOG.md	5 days ago
CONTRIBUTING.md	Update CONTRIBUTING.md	5 years ago
LICENSE.md	Updated LICENSE to .md	5 years ago
README.md	[skip ci]Update README.md	5 days ago
build.xml	added target realclean.	7 years ago
test.runsettings	refs #5641 - Removed TargetFrameworkVersion from gl...	3 weeks ago

README.md

Pipeline Status

pipeline **passed**

Changelog

All notable changes to MAM4PRO will be documented in this file.

[MAM4PRO v2023.05.00] - 2023-06-01



# GitLab

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

# 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.

< Common > mx/SPEEDRAIL > Issues > New

### New Issue

Title (required)

Type [?](#)

Issue

Description

Choose a template

Write Preview

Write a description or drag your files here...

Supports [Markdown](#). For [quick actions](#), type `/`.

This issue is confidential and should only be visible to team members with at least Reporter access.

Assignee

Unassigned  [Assign to me](#)

Due date

Select due date

Milestone

Select milestone

Labels

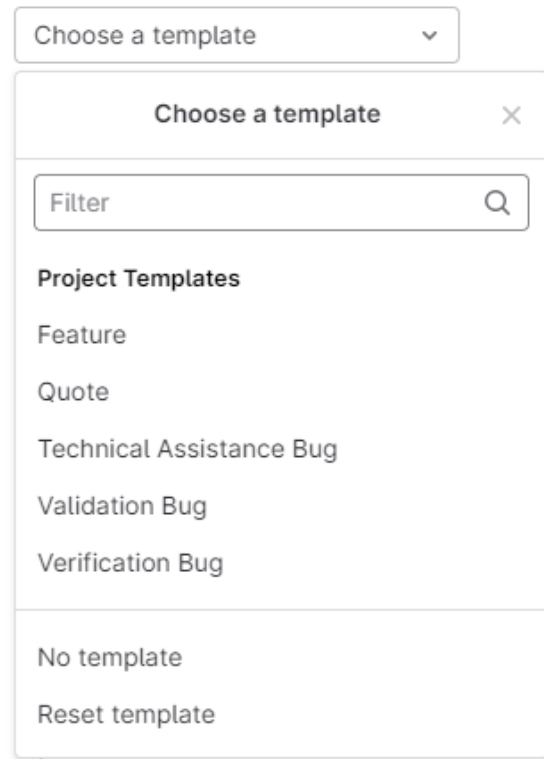
Labels

Please review the [contribution guidelines](#) for this project.

Create Issue Cancel

# Types of GitLab Issues

Description



The image shows a dropdown menu for selecting a template for a GitLab issue description. The dropdown is titled "Choose a template" and contains a search bar labeled "Filter" with a magnifying glass icon. Below the search bar, the templates are listed under the heading "Project Templates": Feature, Quote, Technical Assistance Bug, Validation Bug, and Verification Bug. At the bottom of the dropdown, there are two additional options: "No template" and "Reset template".

## #Labels

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

# 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?

# 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.



# 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.

# 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

## 4P mxfsPEEDRAIL

Project information

Repository

Issues 228

List

Boards

Service Desk

**Milestones**

Redmine

Merge requests 32

CI/CD

Security and Compliance

Deployments

Packages and registries

Infrastructure

Monitor

Analytics

Wiki

Settings

Common > mxfsPEEDRAIL > Milestones

Open 13 Closed 654 All 667

Due soon v

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

- mxfsPEEDRAIL
- Project information
- Repository
- Issues 228
- List
- Boards
- Service Desk
- Milestones**
- Redmine
- Merge requests 32
- CI/CD
- Security and Compliance
- Deployments
- Packages and registries
- Infrastructure
- Monitor
- Analytics
- Wiki
- Settings

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 Jun 5, 2023 Edit

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

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

The screenshot shows a GitLab issue page for the project 'mxfsPEEDRAIL'. The issue title is 'MAM4Pro version does not install, if we dont have internet access'. The issue is currently assigned to André Costa e Silva and has labels 'Feedback' and 'Technical Assistance Bug'. The activity feed shows several updates: Hugo Morais added the 'Technical Assistance Bug' label, assigned the issue to @asilva, and provided a detailed description of the problem. André Costa e Silva responded asking for more details. Hugo Morais then added a 'Feedback' label and provided a detailed description of the problem, stating that no logs are generated and the installation fails because it's trying to download .net 7. André Costa e Silva responded with a list of topics to investigate.

**Project:** mxfsPEEDRAIL

**Issue Title:** MAM4Pro version does not install, if we dont have internet access

**Assignee:** André Costa e Silva

**Labels:** Feedback, Technical Assistance Bug

**Activity:**

- Hugo Morais added **Technical Assistance Bug** label 1 week ago
- Hugo Morais assigned to @asilva 1 week ago
- André Costa e Silva @asilva · 1 week ago (Owner): Need more details, about when this started to happen? Please provide printscreens, logs from the installer, video, whatever.
- André Costa e Silva added **Feedback** label 1 week ago
- Hugo Morais @hmoais · 1 week ago (Author, Reporter): @asilva No logs are generated. only starts occurs with versions after 2023.04.00. It doesn't even start to install, it fails right away, because it's trying to download .net 7, as soon as I installed it manually it worked. Edited 1 week ago by Hugo Morais
- André Costa e Silva @asilva · 1 week ago (Owner): Ok, several topics hovering over this: We cannot have all dependencies in the bundle. It would make it too big to manage. and we have had issues in the past with bundle

**Issue Details (Right Panel):**

- Add a to do
- Assignee: André Costa e Silva
- Labels: Feedback, Technical Assistance Bug
- Milestone: None
- Due date: None
- Time tracking: No estimate or time spent
- Confidentiality: Not confidential
- Lock issue: Unlocked
- Notifications: On

## 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.

MOG

**Questions?**



# Thank you!

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