

A close-up, high-resolution photograph of a lion's face, focusing on its eyes and nose. The lion's fur is a mix of light tan and darker brown, with a prominent mane visible on the left side. The lion's eyes are a striking yellowish-brown, and its expression is intense and focused. The background is dark and out of focus.

BPMN AND VERSION CONTROL

Eternal struggle

LIONBRIDGE

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IN THE BPMN WILDLANDS, SURVIVAL IS EARNED — NOT GIVEN.



TABLE OF CONTENTS

- 01** What is BPMN?
- 02** Common problems
- 03** The way of Lion!
- 04** Solution spotlight - Deployments - the Git Sync vs Lionbridge approach
- 05** Q&A

BPMN

WHAT IS IT?



Think of BPMN as executable logic—not just diagrams. Apply the same engineering discipline you use for code



BPMN belongs in the hands of developers—where architecture meets execution.



BPMN should go through the same dev pipeline as code.

BPMN MERGES ARE PAINFUL—CONFLICTS ARE HARD TO RESOLVE AND EASY TO MISS DURING CODE REVIEWS



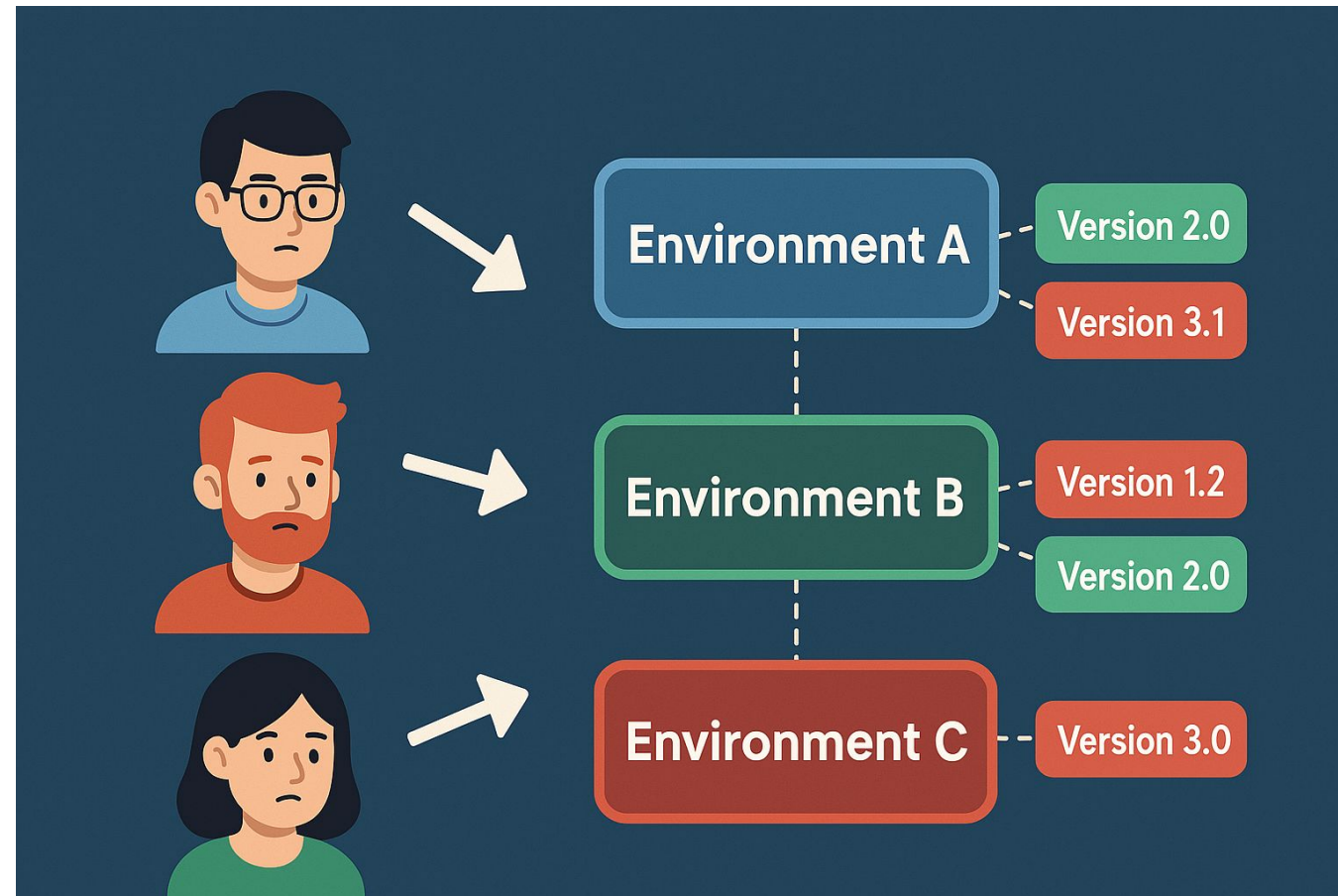
HOTFIXES AND DOWN-MERGES ARE DIFFICULT TO TRACK AND MANAGE



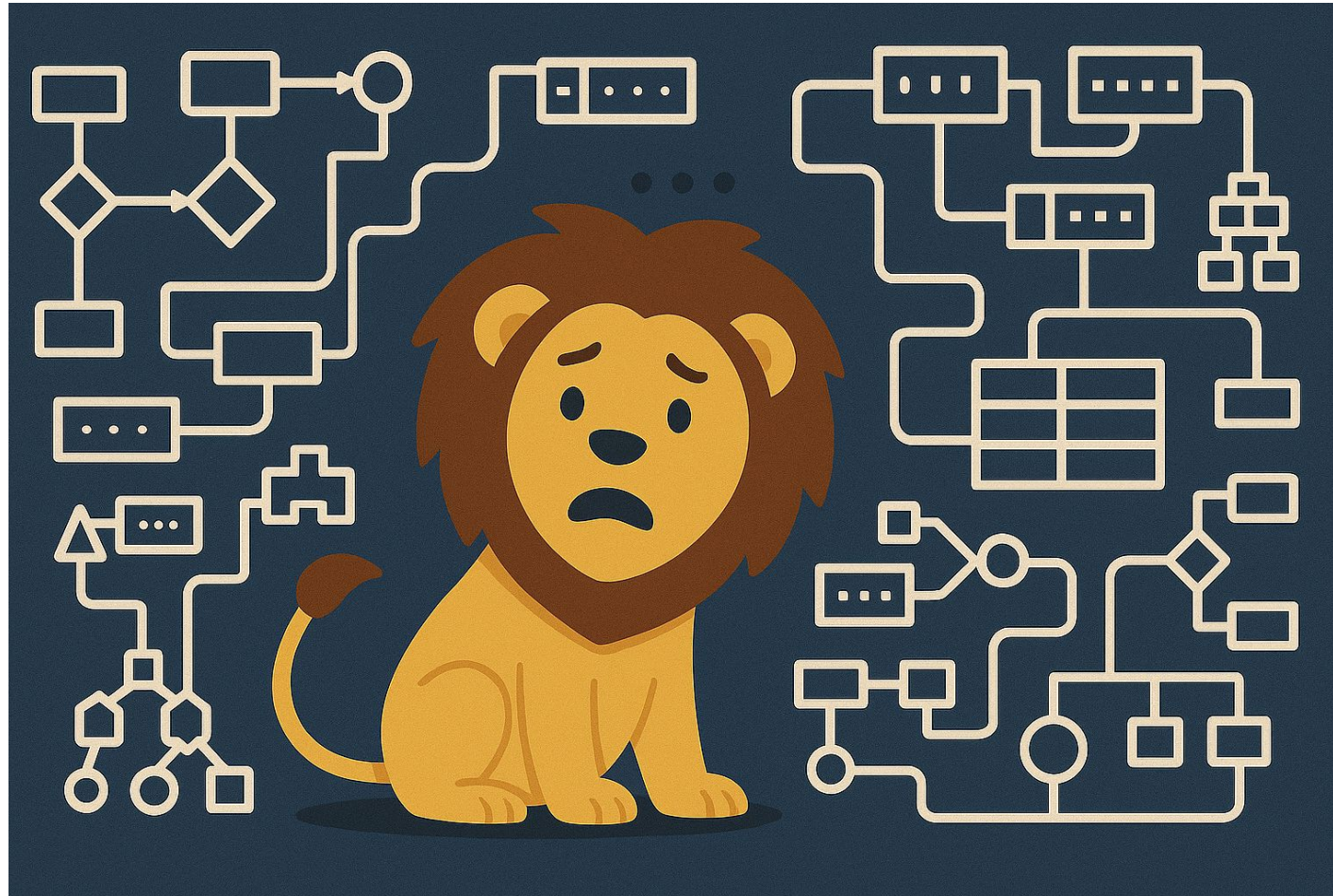
DEPLOYING BASED ON VERSIONS IN MODELER IS NOT EFFICIENT (ESPECIALLY WITH MANY DEVS AND BPMNS)



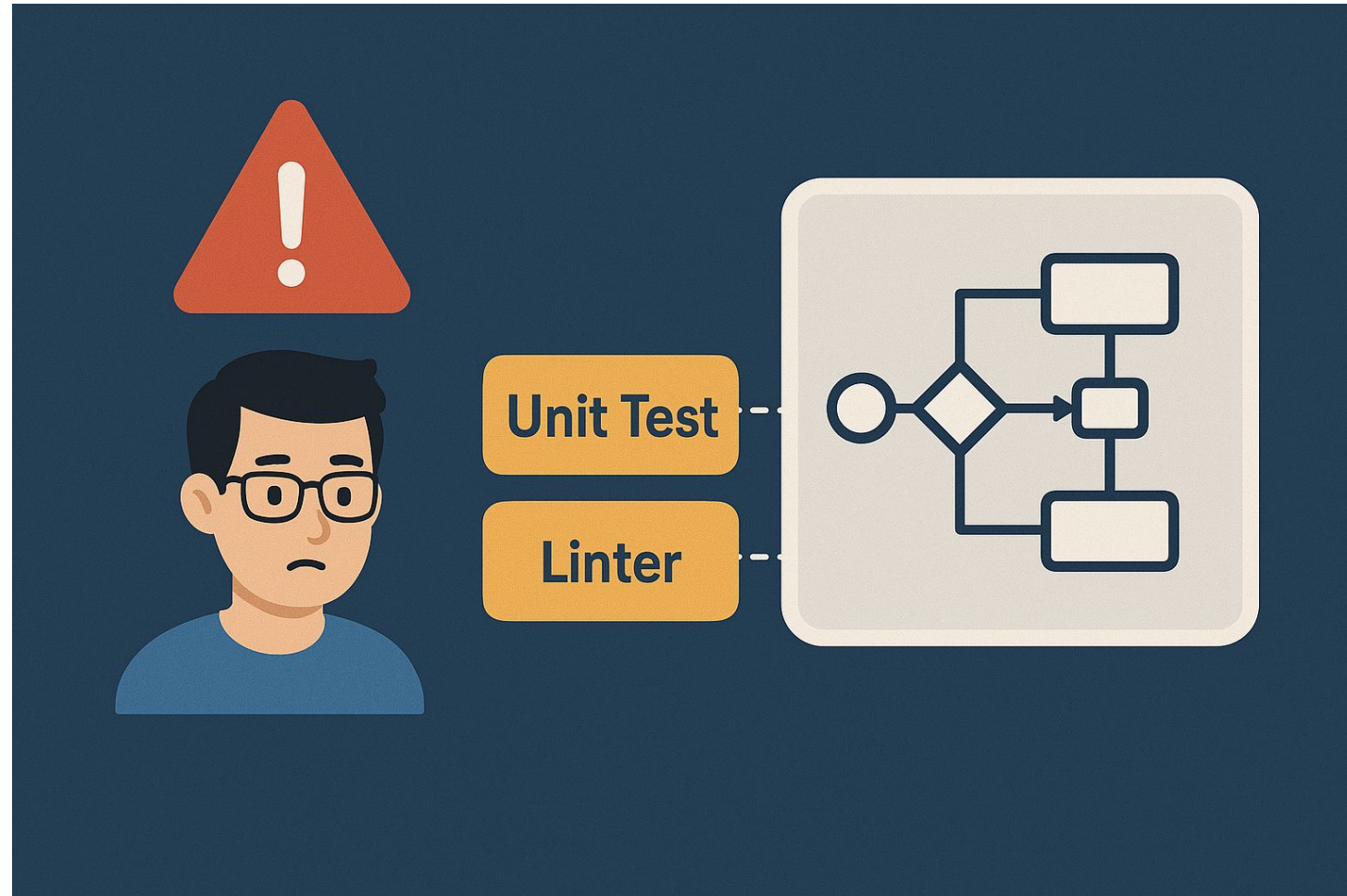
IT IS IMPOSSIBLE TO TRACK WITH MULTIPLE DEVELOPERS WHICH VERSION IS ON WHICH ENVIRONMENT

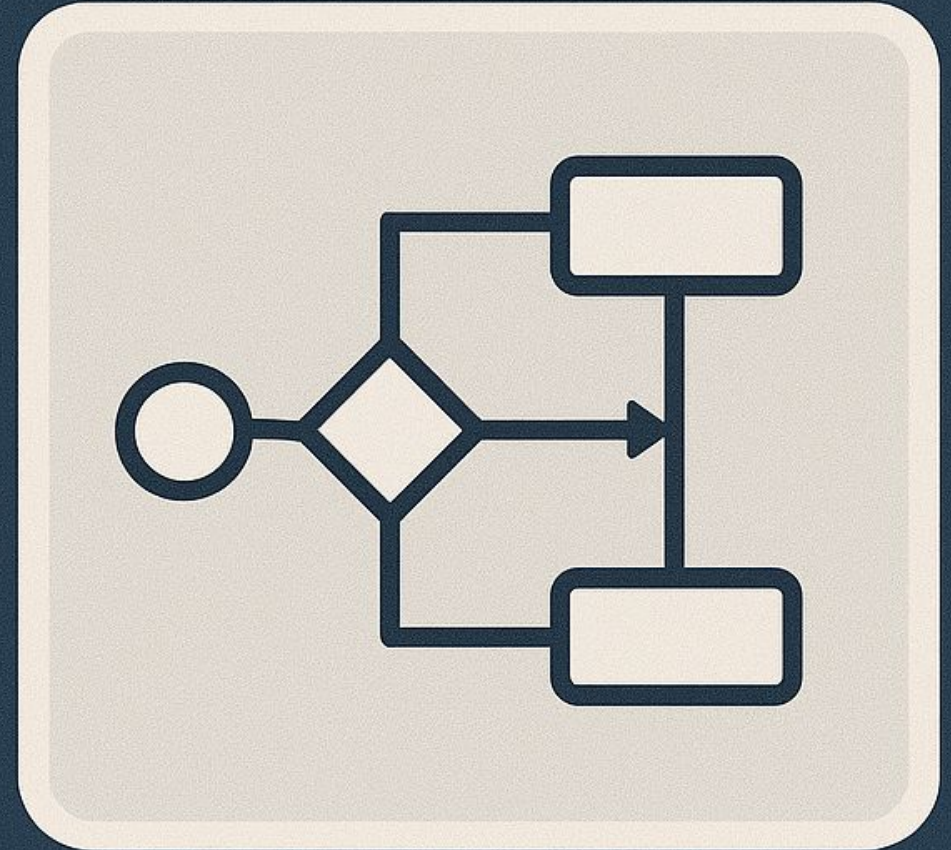


COMPLEX AND EVOLVING DATA MODELS ADD FRICTION



NO UNIT TEST/LINTER SUPPORT





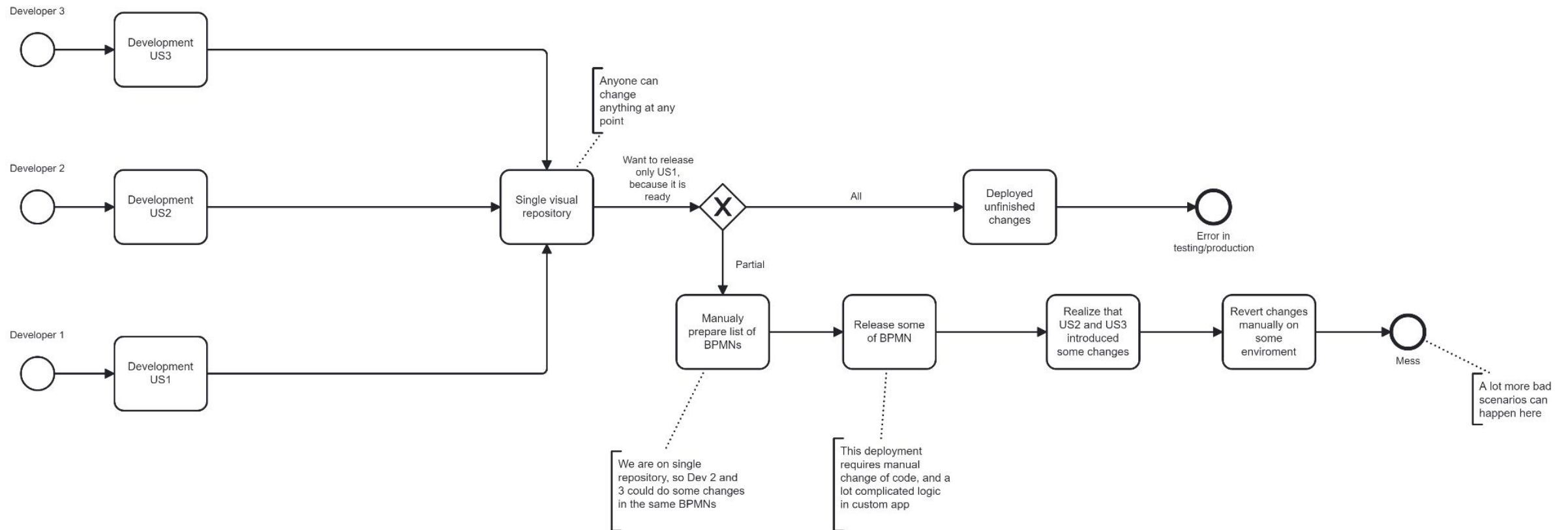
THE WAY OF LION - HOW WE STARTED

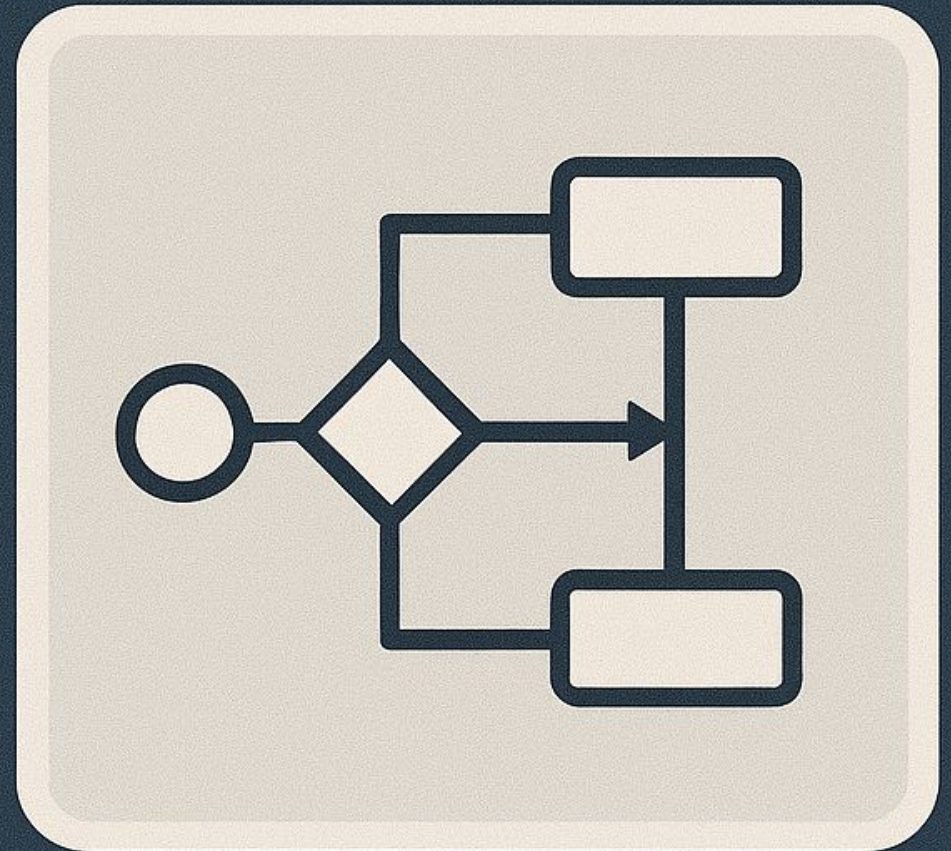
PREVIOUS SETUP: KEY CHALLENGES



1. All work done in a single Online Modeler repo with no branch support
2. 4–5 devs worked in parallel—no clear visibility into what's deployed
3. Deployments were unreliable, especially partial ones (100+ interconnected processes)
4. Process definition IDs changed with every version—high risk of incidents
5. Only one person could deploy; pipeline was complex and manual
6. Custom deployment app handled:
 1. Milestone creation & export
 2. Git sync and diff checks
 3. File operations
 4. Deployment to Modeler & Operate
7. Any change required manual updates to the app's code

INITIAL SETUP

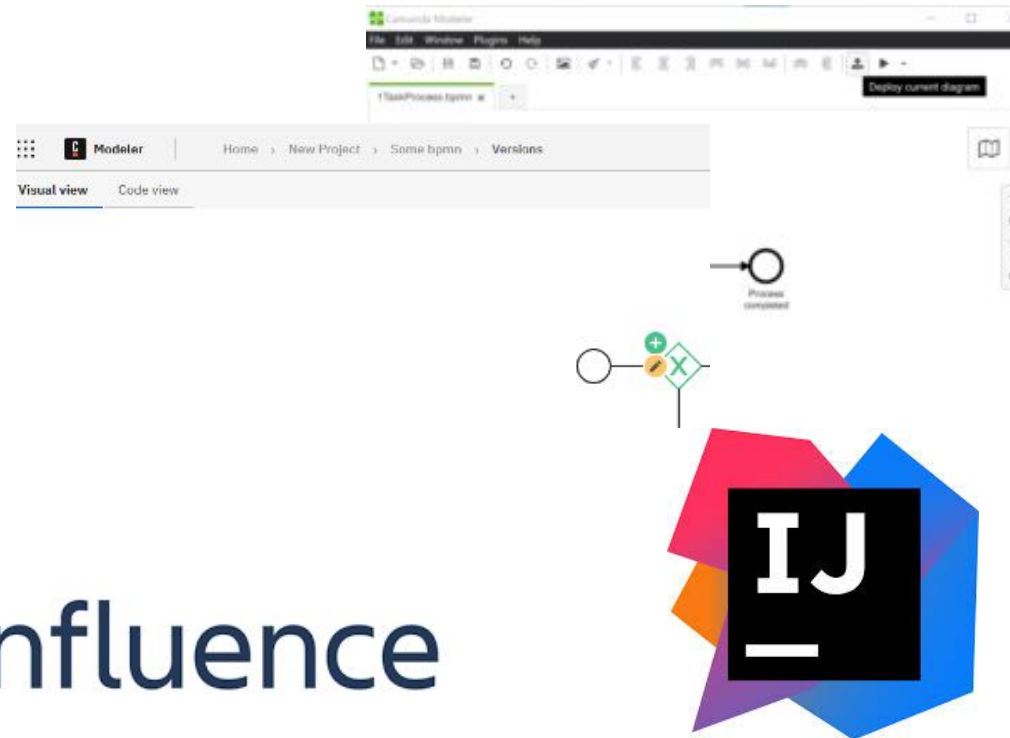




THE WAY OF LION! HOW WE CURRENTLY WORK

THE CURRENT SETUP

HOW WE DO IT - FINALLY, SOME SOLUTIONS!



CODE REVIEWS

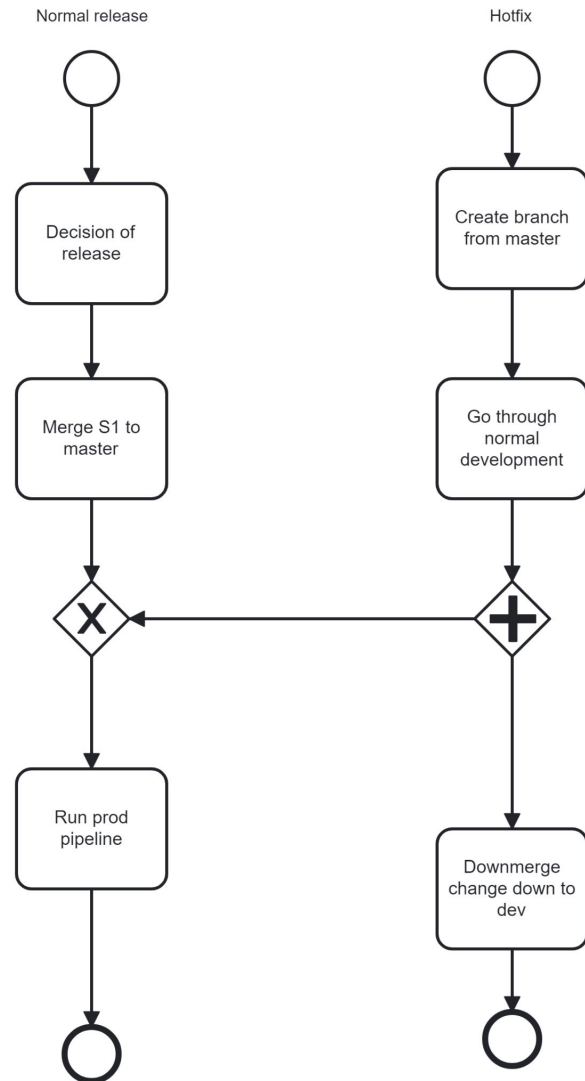


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send-token-lcx-activity.bpmn -2+2
/process/Optimus Beta/production/lcx/send-token-lcx-activity.bpmn

tw-lcx-process.bpmn -5+8
/process/Optimus Beta/production/lcx/tw-lcx-process.bpmn

1 <?xml version="1.0" encoding="UTF-8"?>
2 - <bpmn:definitions xmlns:bpmn="http://www.omg.org/spec/BPMN/20100524/MODEL" xmlns:bpmndi="http:
3 - <bpmn:process id="tw-lcx-process-4.5" name="TW LCX Process 4.5" isExecutable="true">
4
5 <bpmn:sequenceFlow id="Flow_07xcleg" sourceRef="lcx-job-edited-message-event" targetRef="G
6 <bpmn:sequenceFlow id="Flow_01je9ut" sourceRef="Gateway_1rskmt2" targetRef="lcx-job-edited
7 <bpmn:sequenceFlow id="Flow_14s00pi" sourceRef="send-token-lcx-activity" targetRef="Gatewa
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HOTFIXES AND DOWN MERGES

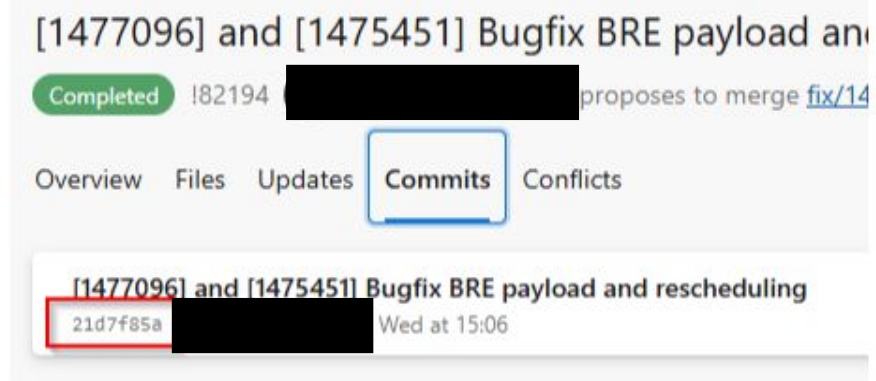


HOTFIXES AND DOWN MERGES



Downmerging with cherry-pick locally in case of merge conflicts:

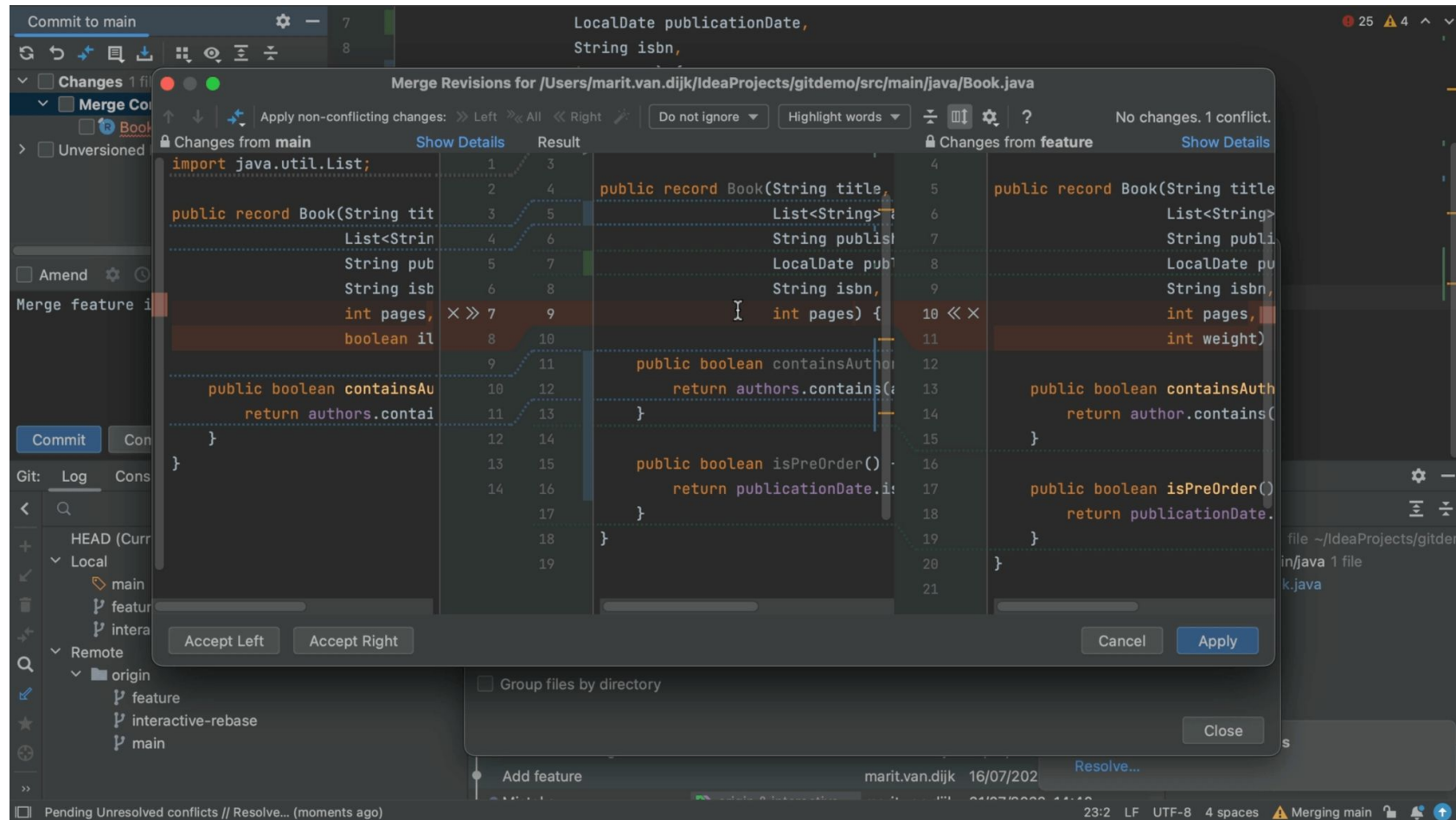
1. Ensure the target branch to merge into (e.g., dev) is up-to-date (`git pull`)
2. Create a new local branch based on the target branch
3. Get the commit ID from your original PR for the cherry-pick:



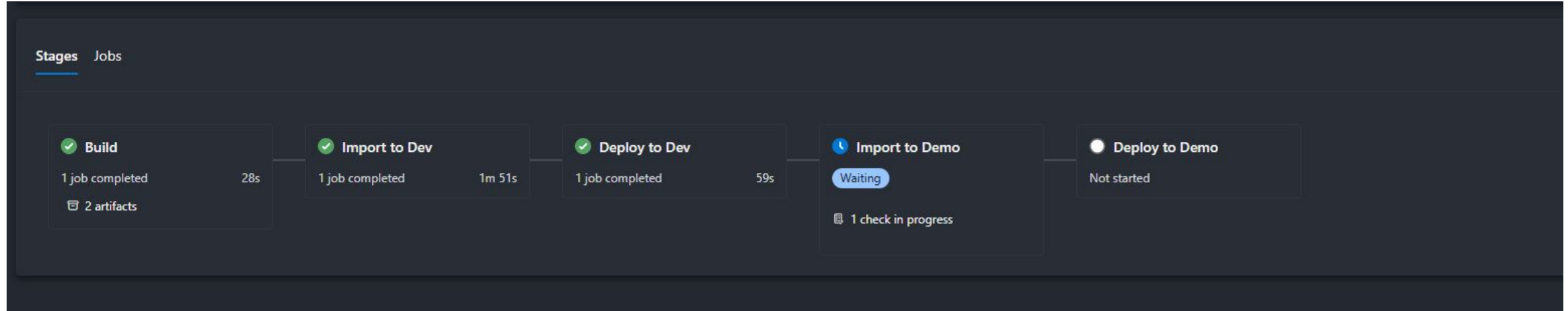
You find it under "Commits" tab in your PR. In case PR has multiple commits, pick the merge commit id.

4. Locally, do `git cherry-pick <commit-id>` (`git cherry-pick -m 1 <merge-commit-id> ->` use this command if cherry pick happens using merge commit id)
5. Resolve conflicts as usual
6. Push the changes from the local branch to the repo and create a PR to merge this into the target branch (e.g., dev)

BPMN MERGES AND CONFLICTS



DEPLOYMENT MANAGEMENT





PROBLEM AND SOLUTION SPOTLIGHT - HANDLING DEPLOYMENTS

Camunda Con

Search within the application

Name

Camunda Con

BPMN diagram

Main process



There is no README created yet

Use a README file to clearly document your processes

Create a README

Sync with GitHub

View landscape

Create new

Creator

Last changed

You

2025-05-11 15:11

Sync with GitHub

Synchronize your process application with your defined repository.

Branch

main

Repository

[TomaszMlynarczykTraining/camunda_con_presentation](#)

Name your version with a version tag to track it through the development lifecycle and ensure the right version is called.

[Learn more](#)

Version tag

1.0

Version description

0/255

What changed from the previous version?

Pulling latest changes from GitHub



Already up to date

Pushing changes to GitHub



Cancel

Synchronized

TomaszMlynarczykTraining / camunda_con_presentation

Q Type / to search

+

<> Code

Issues

Pull requests

Actions

Projects

Wiki

Security

Insights

Settings

camunda_con_presentation

Public

Pin

Unwatch 1

Fork 0

Star 0

main 1 Branch 0 Tags

Go to file

Add file

<> Code

camunda-git-sync-integration[bot]

Web Modeler - Git sync push - 1.0 (by Tomasz Młynarczyk)

42ffe35 · 25 minutes ago

5 Commits

Camunda Con.bpmn

Web Modeler - Git sync push - 1.0 (by Tomasz Młynarczyk)

25 minutes ago

README

Add a README

Help people interested in this repository understand your project by adding a README.

About

No description, website, or topics provided.

Activity

0 stars

1 watching

0 forks

Releases

No releases published

Create a new release

Packages

No packages published

Publish your first package

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LIONBRIDGE

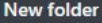
liox-teams / Next Generation Platform / Pipelines

Recent

All

Runs

Filter pipelines

New folder

All pipelines

Name

>  CallbacksService

>  Customer Portal

>  Deployments

>  FileInspection

>  Git-Process-Deployments

>  Common BPMN

>  Process-Deployment

>  Process-Linter

>  Process-Tests

>  Content-Remix

>  Optimus-Beta

>  Optimus-Process-Tests

>  Process-Deployment-Tool

✓ #20250418.1 • Merged PR 87159: [1511349] Merge S1 to Master for releasing Manual Handling to Prod

🏠 Optimus-Process-S1-CI

Run new



ⓘ This run will be cleaned up after 1 month based on your project settings.

Summary Environments Associated pipelines Code Coverage BrowserStack Scans Mend Bolt

Manually run by Mlynarczyk, Tomasz (Contractor)

View 250 changes

Repository and version

📌 optimus-bpmn-definitions

🔗 17_04_2025_before_release_of_hot_fixes 🔗 78acf5b3

Time started and elapsed

📅 Apr 18 at 9:47 AM

🕒 3m 37s

Related

🔗 50+ linked

📄 2 published

Tests and coverage

🔗 Get started

Stages Jobs

✓ Build

1 job completed

16s

📄 2 artifacts

✓ Import to S1EUS

1 job completed

1m 21s

📄 1 checks passed

✓ Deploy to S1EUS

1 job completed

53s

📄 1 checks passed

✓

#20250509.3 • [1518807] Adjusted defect creation inputs to used bundledOrderData if present

👤

Common BPMN-PR-Linter

Run new

ⓘ

This run is being retained as one of 3 recent runs by pipeline.

View retention leases

Summary

Code Coverage

BrowserStack

Scans

Mend Bolt

Pull request by

View 2 changes

Repositories 2

common-bpmn-definitions , +1

See Sources card for details

Time started and elapsed

Fri at 4:51 PM

34s

Related

0 work items

1 consumed

Tests and coverage

Get started

Jobs

Name	Status	Duration
✓ Lint BPMN Files	Success	⌚ 4s

Sources

Repository	Branch / tag	Version	Related
common-bpmn-definitions Azure Repos	88620	aae1b952	None

Pull request by

Repositories 2

common-bpmn-definitions , +1

[See Sources card for details](#)

Time started and elapsed

Apr 17 at 4:46 PM

3m 13s

Related

2 work items

1 consumed

Tests and coverage

100% passed

0% covered

View 2 changes

Warnings 1

See <https://aka.ms/azdo-ubuntu-24.04> for changes to the ubuntu-24.04 image. Some tools (e.g. Mono, NuGet, Terraform) are not available on the image. Therefore some tasks do not run or have reduced functionality.
20250417.2

Jobs

Name	Status	Duration
Run Unit Tests	Success	3m 3s

Sources

Repository	Branch / tag	Version	Related
common-bpmn-definitions Azure Repos	87380	d9f681bd	2 work items

THANK YOU!

Time for Q&A



We break barriers and build bridges
to new opportunities. **Everywhere.**

LIONBRIDGE

