

# I choo-choo-choose you; or how to build modern platforms in a 200 year old industry



Platform  
Engineering Day  
EUROPE

sopra  steria

# Robert Strand

Principal Cloud Native Architect - Sopra Steria Norway  
Microsoft MVP, Cloud Native Ambassador

## Cloud Native Computing Foundation

- TAG App Delivery, Co-chair
- Platforms Working Group, Founder & tech lead
- OpenGitOps, Maintainer

## Cloud Native Norway

Founder & Chair of the board



# Manfred Bjørlin

Principal Cloud Native Architect - Sopra Steria Norway  
Nerd

- Been around since .Net was launched
- Click-ops'ed Azure since it came along
- Developer
- Architect
- Team Lead

From Enterprise Architecture to programming, and everything in-between

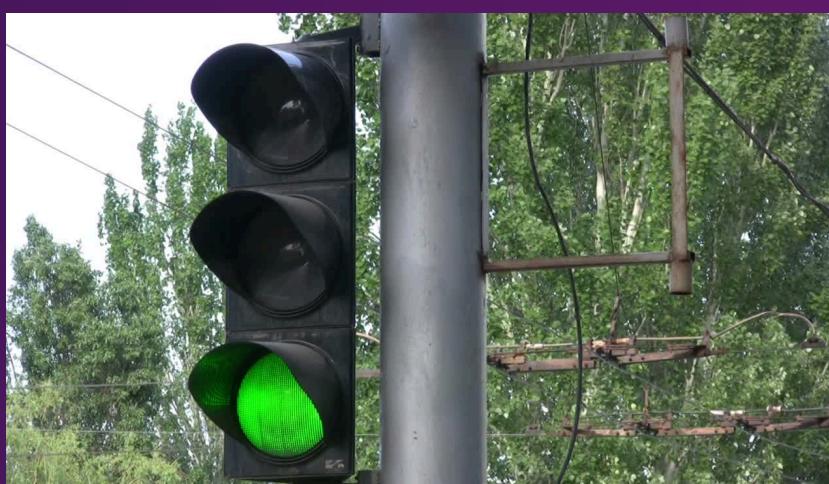
Too many hobbies



## What is Bane NOR?

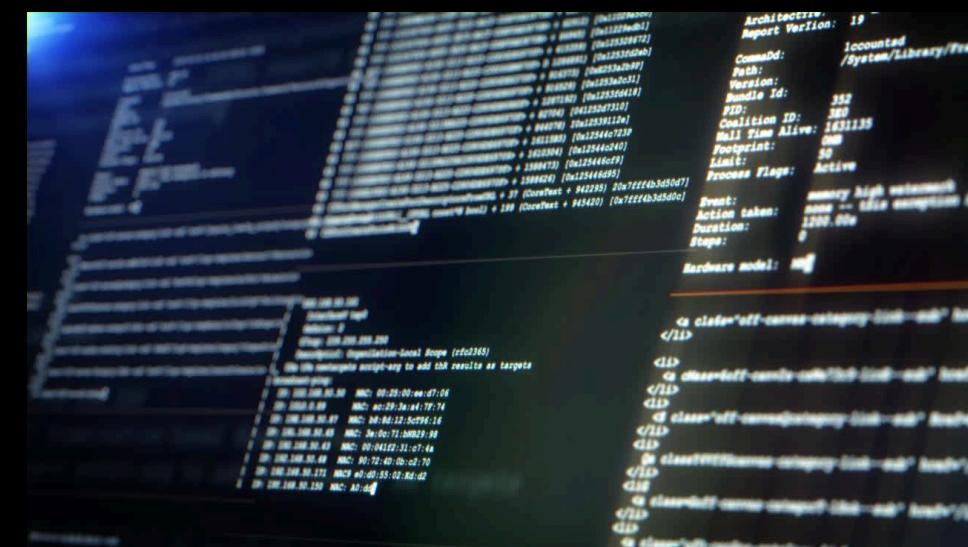
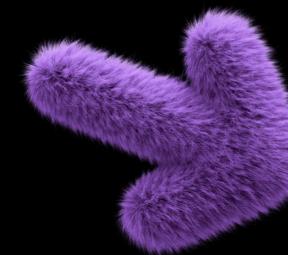
- Operates, maintains and builds railways throughout Norway
- First main line ready in 1854
- One of Norway's largest real-estate companies
- One of Norway's biggest electricity provider
- Operates their own GSM-R network
- Signal systems from 1920's still in operation



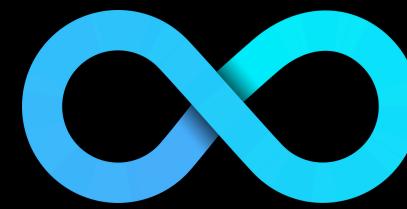




# Onboarding



Development



Integration



Data



## Management Team

Platform owner  
Team Lead

## Development

Tech Lead  
Developers

## Integration

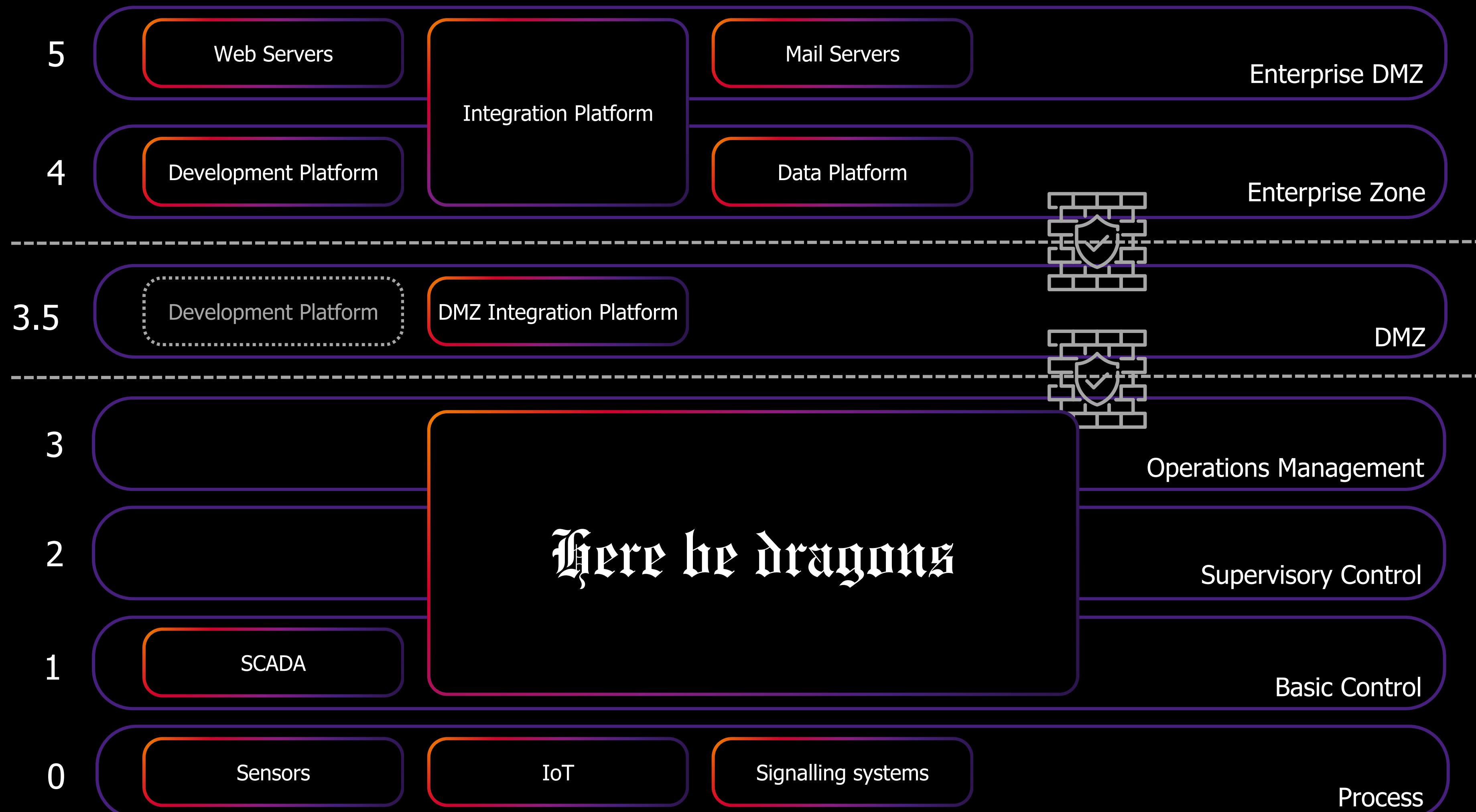
Tech Lead  
Developers

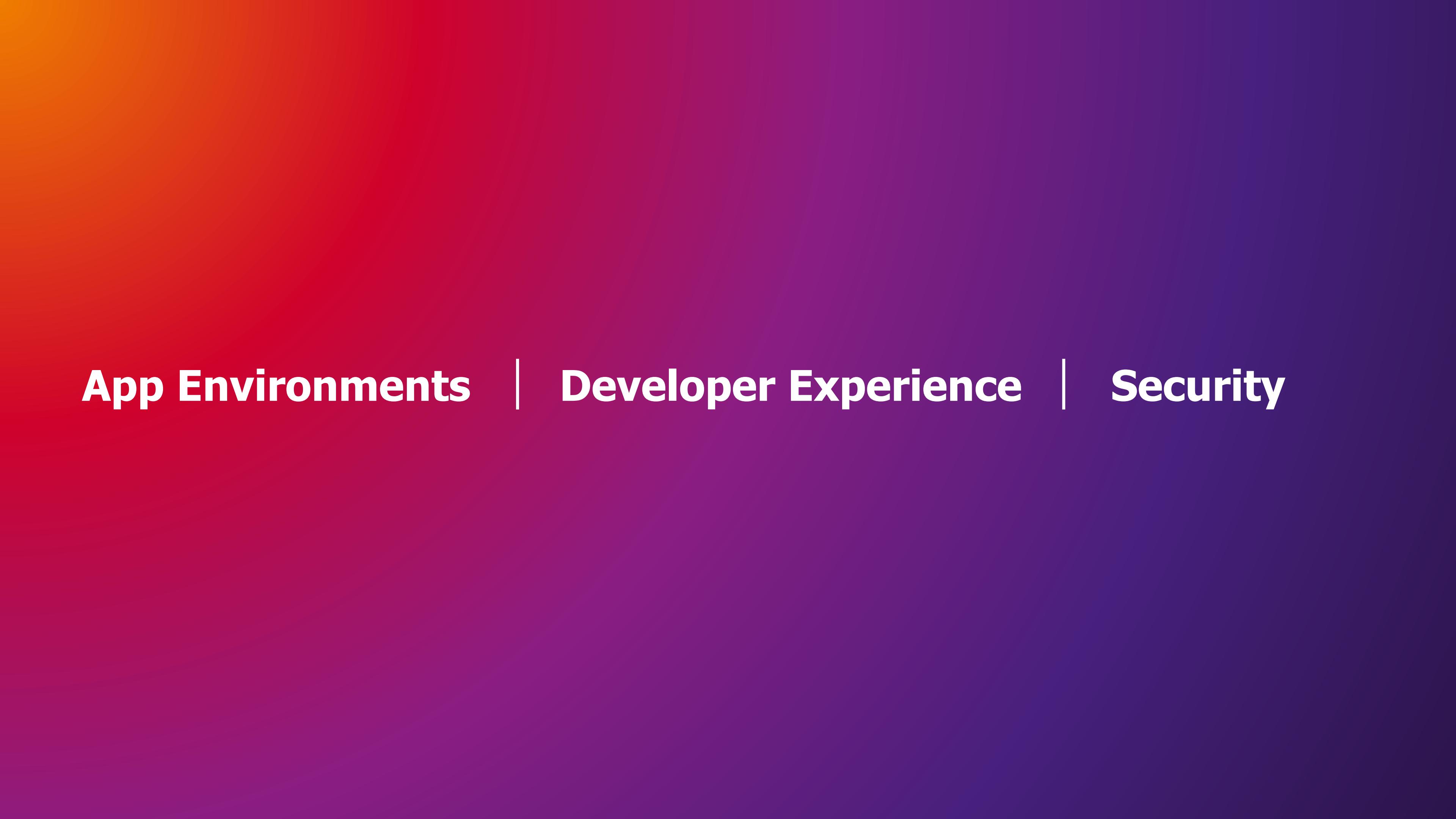
## Data

Tech Lead  
Developers

Bane NOR has a **complex** structure

Touches **all levels** Purdue Architecture





**App Environments | Developer Experience | Security**

# Platform Overview

Product Team Applications

Product Team Applications

Infrastructure Applications



Common tooling



Sandbox



QA



Production



Platform Infrastructure

GitHub & Azure DevOps



Automation

# Automation

chore(main): release 1.0.5 #26

Merged manfredbjorlin merged 1 commit into main from release-please-1.0.5

Conversation 1

manfredbjorlin merged 1 commit into main from release-please-1.0.5

bn-platybot (bot) commented 11 hours ago

I have created a release 1.0.5 (2025-01-29)

Bug Fixes

- config: Some misc

This PR was generated by bn-platybot

2 of 3 checks passed

- labeler / linter: 100% (green)
- Analyze (aegis): 100% (green)
- super-lint: 0% (red)

chore(main): release 1.0.5

bn-platybot (bot) added the autorelease: pending label yesterday

github-actions (bot) added the documentation label yesterday

manfredbjorlin merged commit 723b37a into main yesterday

2 of 3 checks passed

NATURAL\_LANGUAGE

2025-01-29 11:53:17 [INFO] Linting NATURAL\_LANGUAGE items...

Error: -29 11:53:19 [ERROR] Found errors when linting NATURAL\_LANGUAGE. Exit code: 1.

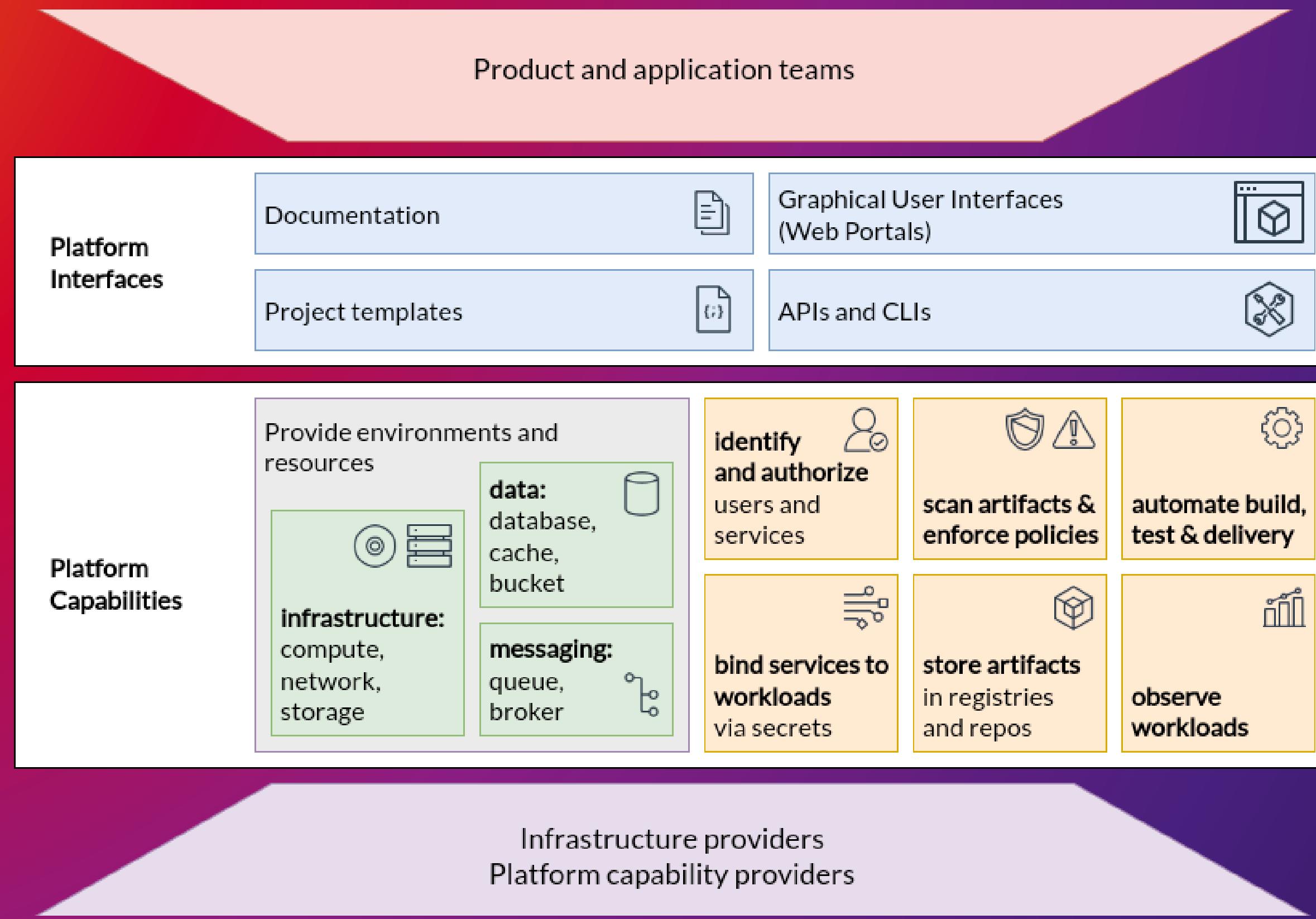
2025-01-29 11:53:19 [INFO] Command output for NATURAL\_LANGUAGE:

-----

/github/workspace/CHANGELOG.md

10:5 ✓ error Incorrect term: "Bug Fixes", use "BugFixes" instead terminology  
17:5 ✓ error Incorrect term: "Bug Fixes", use "Bugfixes" instead terminology  
29:5 ✓ error Incorrect term: "Bug Fixes", use "Bugfixes" instead terminology  
40:5 ✓ error Incorrect term: "Bug Fixes", use "Bugfixes" instead terminology  
51:5 ✓ error Incorrect term: "Bug Fixes", use "Bugfixes" instead terminology  
62:5 ✓ error Incorrect term: "Bug Fixes", use "Bugfixes" instead terminology

173 2025-01-29 11:53:19 [INFO] -----  
174 Error: -29 11:53:19 [ERROR] Errors found in NATURAL\_LANGUAGE  
175 Error: -29 11:53:19 [ERROR] Super-linter detected linting errors  
176 super-linter-output/super-linter-summary.md 42ms



**Source:** [tag-app-delivery.cncf.io/whitepapers/platforms](https://tag-app-delivery.cncf.io/whitepapers/platforms)





# Thank you!



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