



# ABAP & DevOps: Doing Everything Wrong

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# Disclaimer

**Carla Sands** 

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I've seen this before. In Denmark, middle class people can't afford to drive a car. They have a bike and take the train for long trips. My embassy driver would bike an hour in the snow to get to work. That's the future team Biden wants for Americans. Is this what you want?

**RNC Research**  @RNCResearch

Americans struggling with the #BidenGasHike tell CNN, "I will stop driving"

"[Gas prices are] really extreme"



# Getting started

BC400 + Developer Edition 1909

*Please note: We highly recommend 32GB RAM to run the ABAP Platform Trial image.*

ref: [hub.docker.com](https://hub.docker.com)

# Exercism

ABAP track official launch April 1st 2022

*Solve coding exercises and get mentored to gain true fluency in your chosen programming languages. Exercism is open-source and not-for-profit.*

<https://exercism.org>

10000+ students, Test Driven Development, [Mentoring](#)



# What is Devops?



# What is Continuous Integration

*Continuous integration (CI) describes a software development process, in which various team members integrate their contributions frequently into a single main line. Before each integration, the changes are verified through builds and automated testing. Thereby, you can detect errors as quickly as possible and prevent integration problems before completing the development.*

ref: [help.sap.com](https://help.sap.com)

# What is Continuous Integration

- Use Version Control
- Automate the Build
- Run Tests in the Build
- Commit Early and Often
- Build Each Change
- Fix Errors Immediately
- Keep the Build Fast
- Test in a Production Environment Clone
- Provide the Latest Build Results
- Make the Build Process Transparent
- Automate the Deployment

# Use Version Control

- CTS
- abapGit

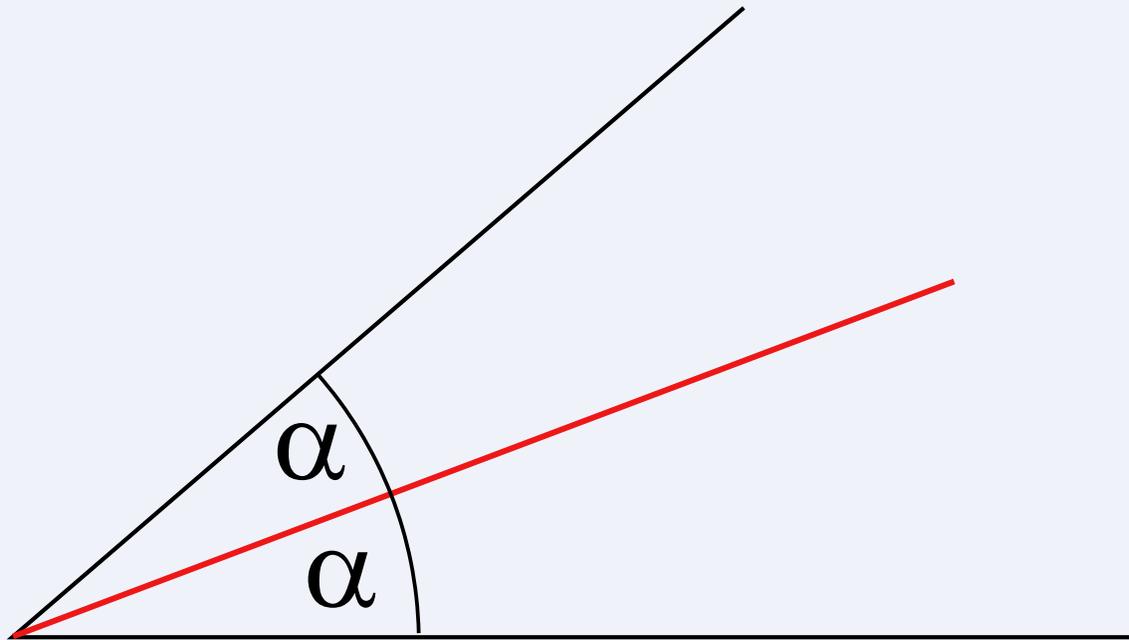
# Automate the Build

- Run pretty printer
- Run syntax check
- Run code inspector/ATC
- Run extended syntax check
- Run unit tests

# Run Tests in the Build

- No tests
- Unit tests
- Integration tests
- TDD

**Commit Early and Often &  
Build Each Change &  
Provide the Latest Build Results**



# Keep the Build Fast & Test in a Production Environment Clone

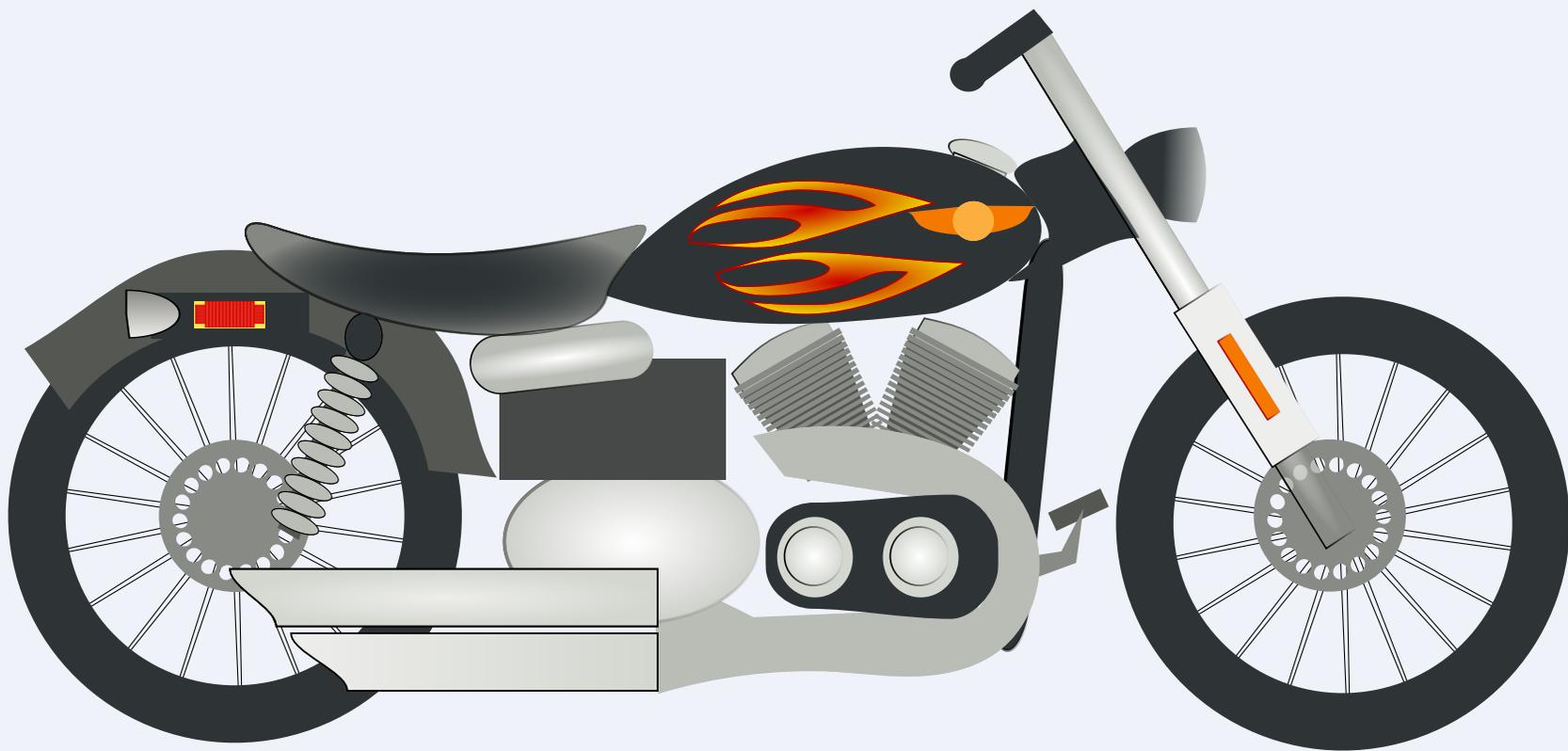
[Blog](#)

Continuous waiting instead of continuous integration.

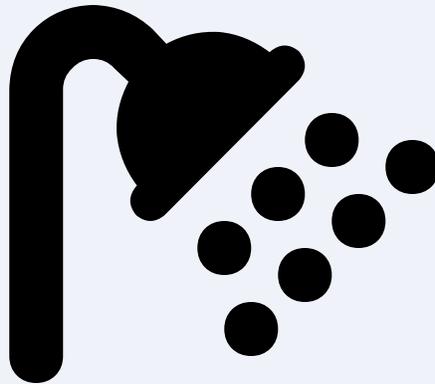
# Full Example

[github.com/abapGit/abapGit/pull/6544](https://github.com/abapGit/abapGit/pull/6544)

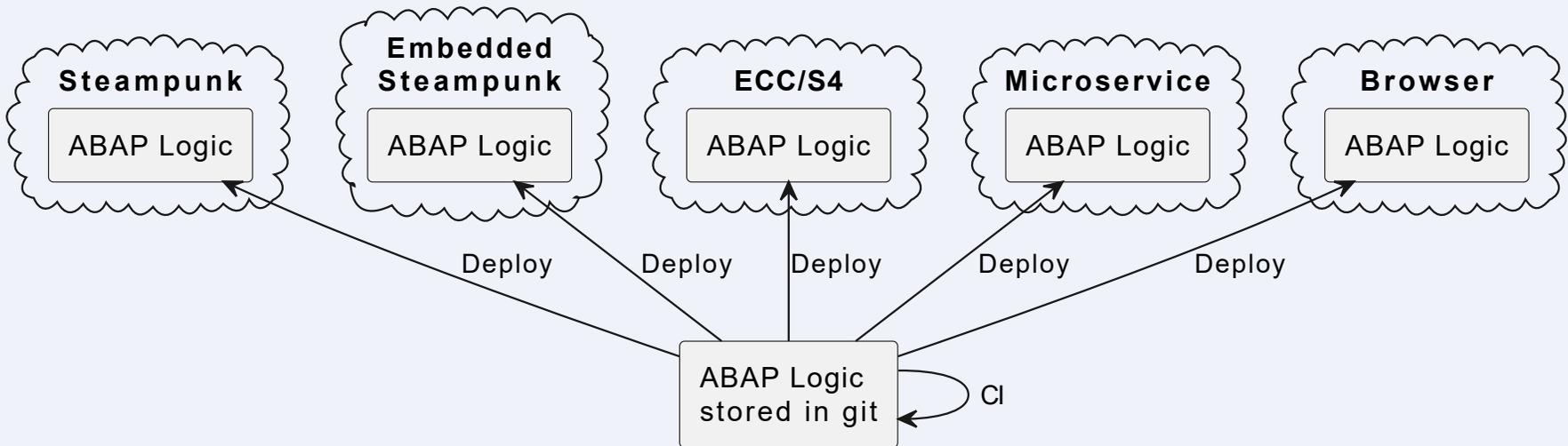
- Peer Code Review
- Each commit runs static analysis
- Each commit runs unit tests
- Each commit runs integration test



**#keepTheCoreMoving**



# Multi target ABAP



# All da links

- [abapgit.org](https://abapgit.org)
- [abaplint.org](https://abaplint.org)
- [exercism.org](https://exercism.org)
- [open-abap.org](https://open-abap.org)

# #ABAPisNotDead

<https://larshp.github.io/emea2023/>

@LarsHvam



Remember the survey



