

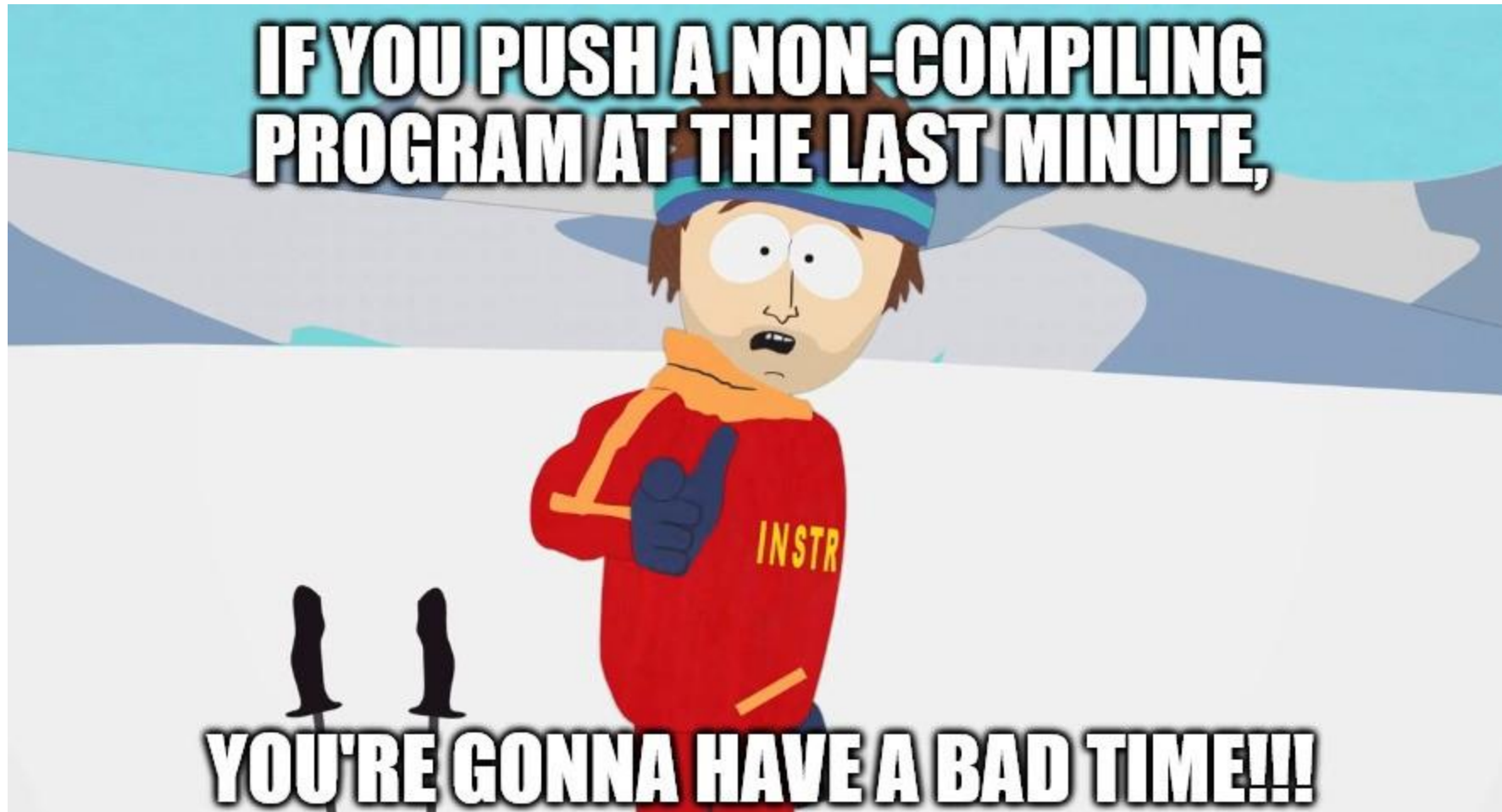


{EPITECH}

T-DEV-701 – Dev OPS

Kick-off

} Developers' typical issue 1



} Developers' typical issue 2



} Developers' typical issue 3



} Developers' repetitive tasks



- Compiling the code
- Testing the code
- Checking the code quality
- Deploying the code
- Versioning the code
- Doing it again...
- and again...
- and again!!

} The solution to all these annoyances



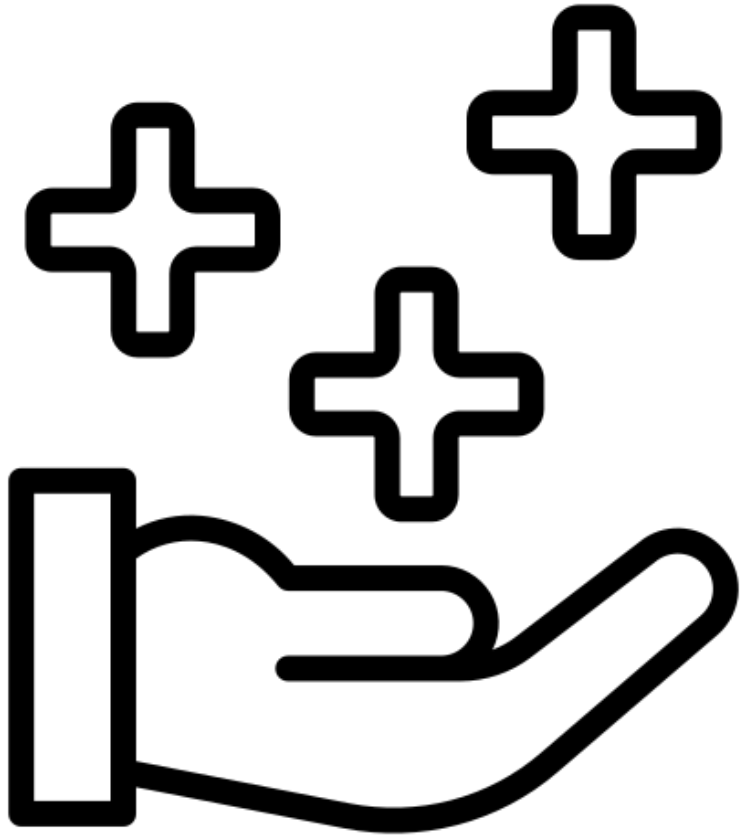
Adopting the Dev Ops philosophy and best practices has countless benefits.

} Dev Ops main challenges

- Organisation
- Collaboration
- Compliance
- Performance
- Stability
- Availability
- Flexibility



} Dev Ops main benefits



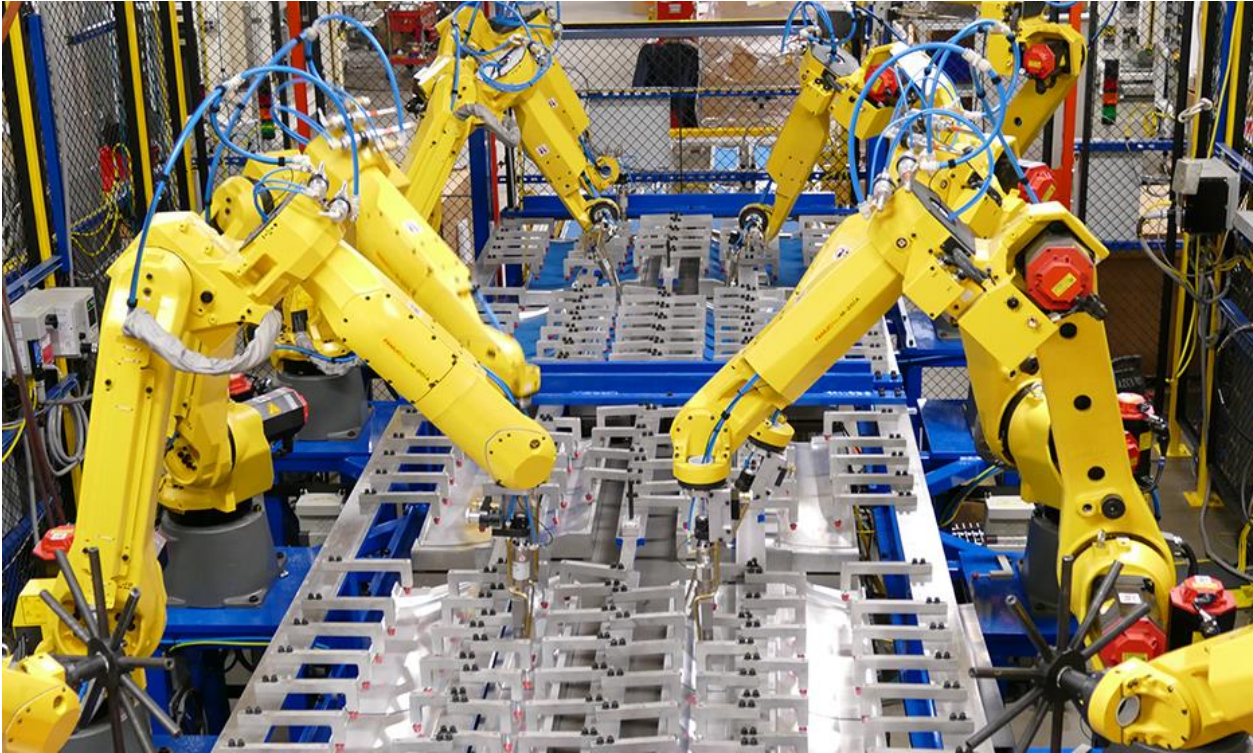
- Improved quality and automation
- Faster, better, stronger product delivery
- Easier maintainability and issue resolution
- Greater flexibility, scalability and availability
- Reduced complexity, cycle time, human labour and costs
- More time + freedom for creative and innovative tasks

} Have you ever played Satisfactory?



Automation saves lot of time and provides a great deal of satisfaction.

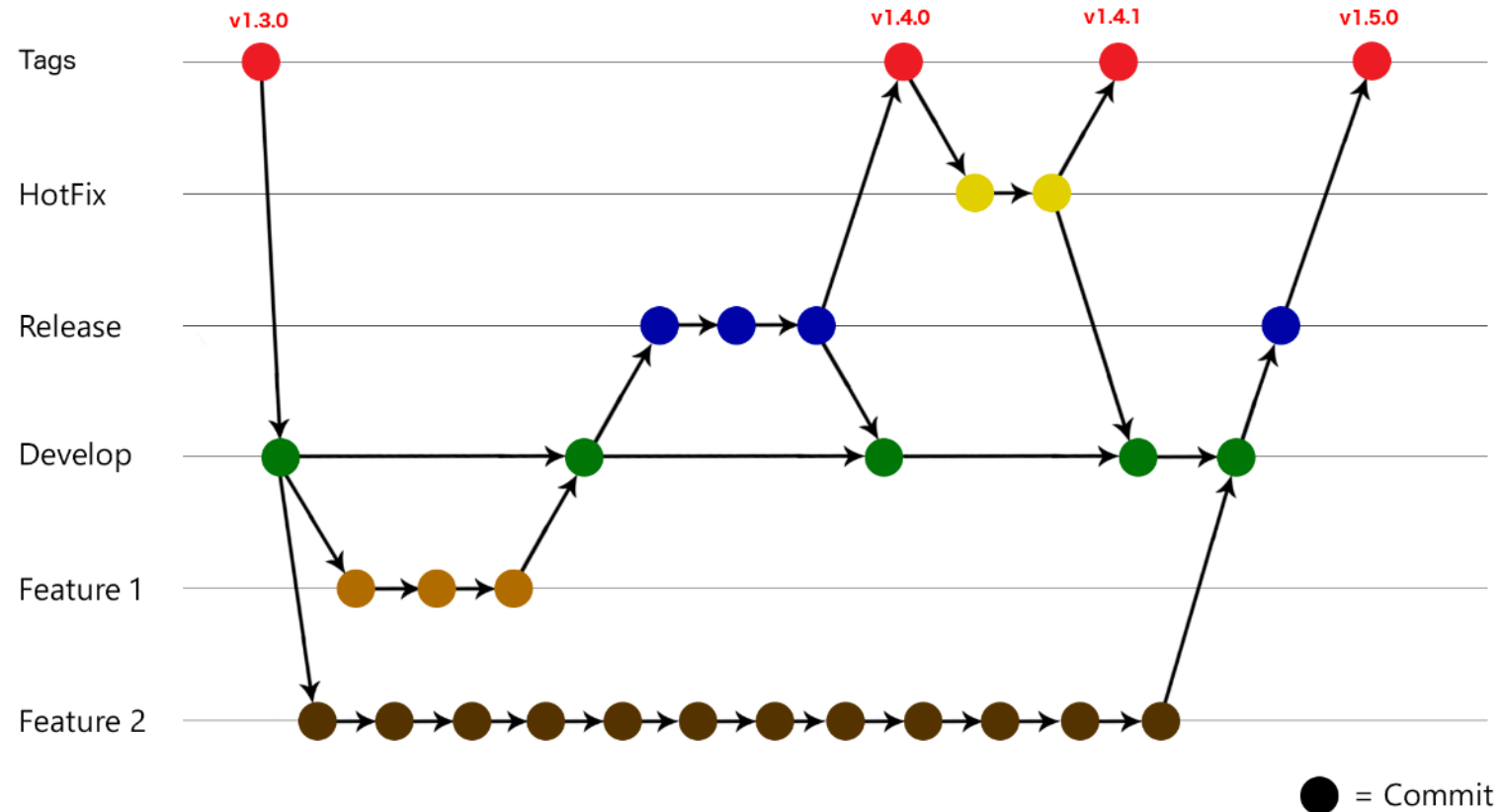
} Main benefits of automation



- Avoid oversights.
- Increase productivity.
- Reduce costs & cycle time.
- Improve quality & robustness.
- Free up coders to focus elsewhere.

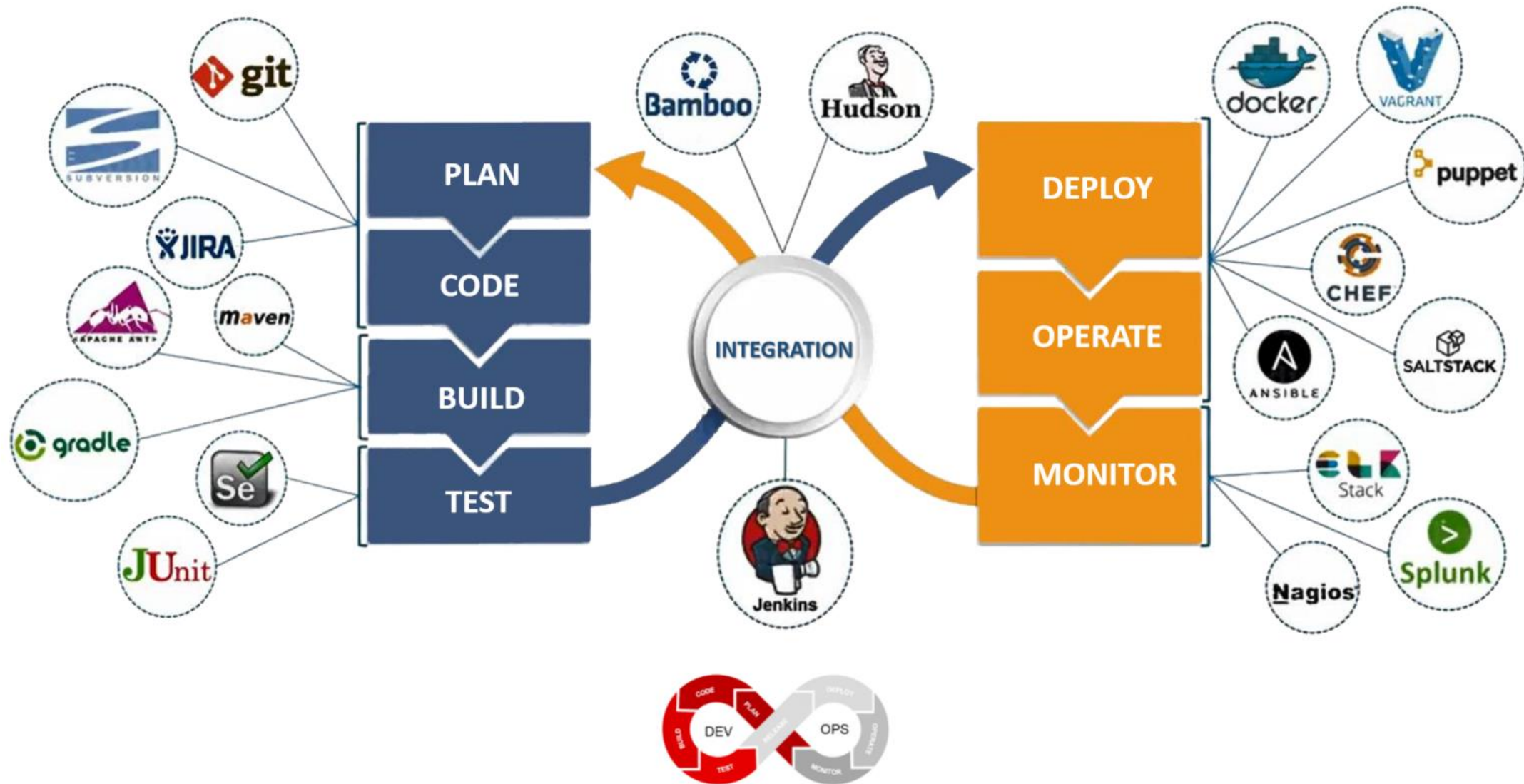


How a proper git flow should look like

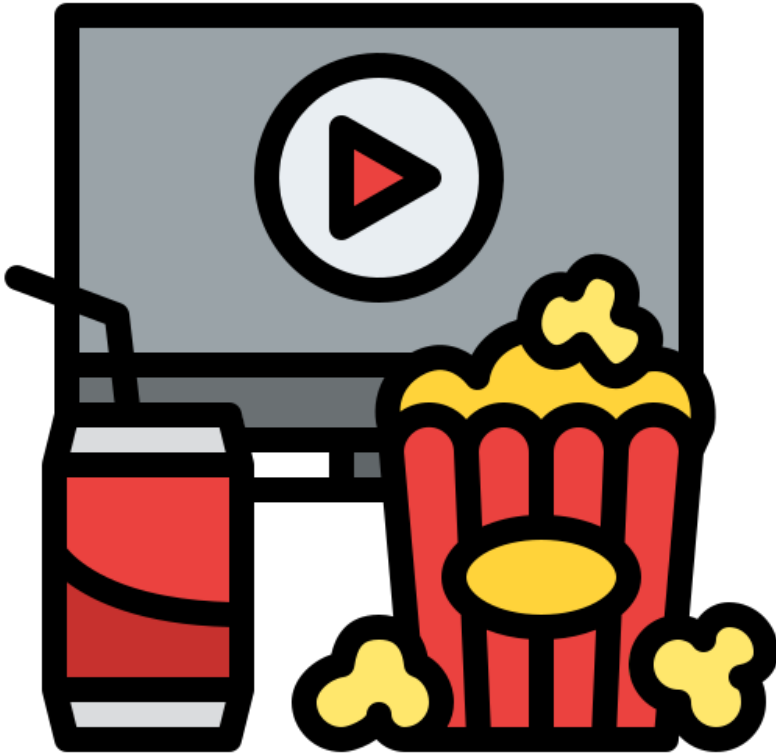


- main branch is always deployable (using tags)
- QA testing is done on feature-branch (before merging into main)
- merging to main should trigger actions (such as deployment)

} Dev Ops common tools



} Stuff to watch and dig



- [DevOps in 5 minutes](#)
- [The ING Bank improved its time to market from 13 weeks to less than 1](#)
- [AAA Automated testing...for AAA games](#), by a Games developer advocate at Google
- [Game development with Dori Exterman](#), CTO at IncrediBuild
- [The Secrets to Agility at Tesla | Elon's Master Plan to Infinity](#)
- [How software lifecycle integration and DevOps are transforming car development](#)

Thank you



Any questions?