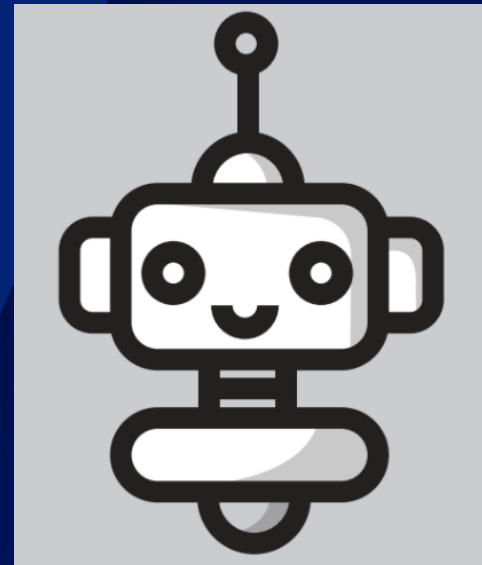


Benefits of CI/CD for Cloud-Based Software Products

Jakub Gajdul



Code base & deployment complexity

With increasingly growing software projects in our organisation , we have to adapt and respond to the challenge of quickly delivering high quality products to customers.

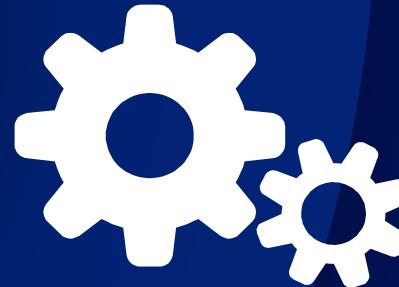
growing painpoints:

- Integrating & testing code changes done by individual developers
- ensuring a new version of the product is delivered as quickly as possible to the customers

Resolving these can bring us large cost savings and revenue generation!



Introducing CI/CD



- **Continuous integration / Continuous Deployment** practice
- Imagine a robot that helps us to ensure that software works well and helps to quickly deploy it! It doesn't get distracted or go on holidays!
- **CI**- frequently merging code to central repository where automated builds and tests run.
- **CD**- Every software change that passes tests gets deployed automatically

Benefits of CI/CD



1. Quicker releases => customer satisfaction => higher revenue
2. More time for feature development => higher developers productivity
3. Less errors in production => cost savings from resolving & redeploying
4. Quicker issue identification=> higher availability of the service

Requirements for CI/CD

- Forward thinking approach
- Version controlled code
- Automated tests that check code performance
- CI/CD tool: on prem/ in cloud
- Code to spin off the infrastructure



Questions?