



Deploy anytime

How we reduce deployment costs

Today's deployment



- Manual activity from a amount of operation staff
- Planning needs to be done at least one weak beforehand because of the work council
- Deployment only happens in off-peak hours
- Downtime during deployment
- as this a manual task, it's not reproducible and we had more often longer downtime as planned
- After code is in test we need some weeks until code is released with a lot of different changes
- Code testing is a manual step, therefore we cannot test every think every deployment.

Vision



- Deploy anytime
- No downtime
- No man day's for deployment
- Be in production after 2 hours, after code change
- All test (functional, performance, security) are done automatically
- Less error's as no manual action are involved
- Rollback can be done through operation team, with no extra information
- Deployment in A/B Version to compare customer success

Step's to go



- No Big Bang project
- Every week we'll introduce a new small improvement out of the area:
 - Enhance Monitoring.
 - Enhance testing
 - Automate compile/application deployment
 - Automate Rollback
 - Introduce A/B Load Balancing (old/new Version)

What we need



- Organizational change - One Team (development and operations need to work more together)
- 20% of work time for implementing the new way in the next year
- Start with openSource Tools, but we might need to add support or other tools which will cost extra – also depending on our cloud strategy. (e.g. Gitlab, datadog, aws costs)