Taylorism
- Adollien of command and consol management.
- Adoption of command and consol management. - againizations divided into functional siles
Decision-making is separated from work.
A working devops means pushing small releases faster
in order to get feedback, minimize nisk, & maximise
reaming
A Taylorism was designed for factory work while
A Taylorism was designed pu factory work while softwar der is like ceaft work.
Operations view of dev
-) Du teams throw dedd cars our the wall
-) Manually implemented changes
- lack of back - out plans
Lack of festing
- Env that don't look like production.
Der view of ops:
All or nothing changes Thange windows in the dead of night Implemented by people furthest away from the application.
Implemented by people justhess away from the
application.
- ops just cuts & pastes from runbooks".
A Infrastructure as code describe infrastructure
- Ephemeral infrastructure can be used & then aiscarded. Security are built on demand,
discarded. Senins an built on demand,
uia austomation.

Rather than patching a running container, immitable delivery is making changes to the container image, then redeploying a new container.

Continuous Integration vs Continuous Delivery

- -> CI/CD is not one thing.
- 7 Continuous Integration (CI)
 - → continuously building, testing & merging to
- -> Continuous Delivery (CD):
 - -) Continuously deploying to a production like environ ment.

- -, Deus integrate code often
- Dew work in short rived feature Branches
 Each which in is verified by an automated

Changes are kept small:

- using pull requests committing an changes daily. - working in small batches

 - comitting regularly.
- CI automation:
- Builds & Tests every pull request.
- -> Use CI took that monitor version control
- -> Tests should run after earn smild

Benèfits of CI:
Faster reaction times to changes
Thedused and internation wick
Reduced code integration risk
Higher code quality
The code in Version control works.
7 A soft dew discipline when you am
build software in such a way that the spe
A soft dew discipline when you can build softwar in such a way that the s/u can be released to production at any time.
CI/GD Riplline
putom ated gates that create a pipular F
- unit testing - Integration resulting
- code quality checks -> Security testing
- Vulnerability Scanning - Package signing.
CI/CD piplline needs:
- An integration Server
- A build server An artifact organitory.
- sutomatic configuration &
deployment.
<i>, , , , , , , , , ,</i>

plan - code -> build -> test -> release -> deploy -> operate

continuous Integration Continuous,

delivery.

Five Key principles - build quality in - work in small batches - computers perform repetitive tasks, people solve poblems - Relithtlessly pursue continuous improvement -> Everyone is responsible. How DerOps manges risk - Deployment is king.

- Deployment is decoupled from activation is not one size fits are. -> Deployment