

# CI/CD/CDon't?

#### Deliberations on the threat model of continuous delivery systems

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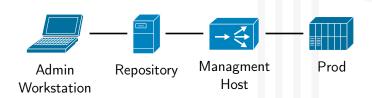
Universitätsbibliothek Johann Christian Senckenberg

2020–03–14/15 CiderSecurityCon

## Concept

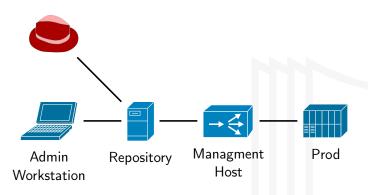


CiderSecurityCon



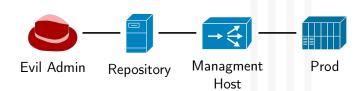






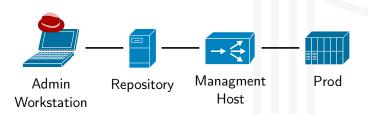
### Attackvectors-Evil Admin





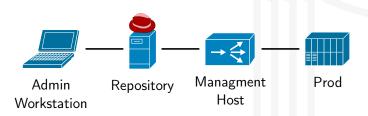






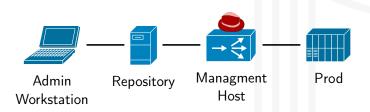






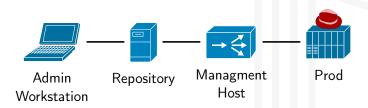






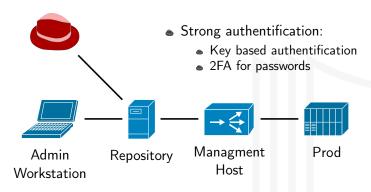








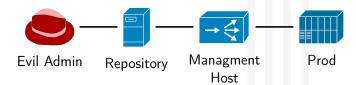




## Mitigations-Evil Admin



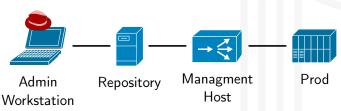
- Privilege Separation:
  - 2-man-rule
  - enforced tests







- Hardening measures:
  - using dedicated hardware
  - using hardware security modules







- Privilege Separation:
  - enforced offsite/offline backups
- Signing of commits and checking the signatures



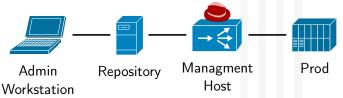
Workstation

Host





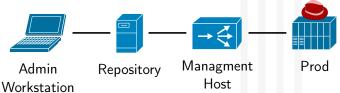
- Privilege Separation:
  - enforced offsite/offline backups
  - splitting the infrastructure in groups
  - regular self checks/deploys



## Mitigations-Compromised Prod



- Privilege Separation:
  - enforced offsite/offline backups
- Reproducable builds
  - JUST REDEPLOY AND RESTORE





#### You may contact me

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• our GitHub github.com/ubffm/cicdcdont-lightning



personally on the conference