



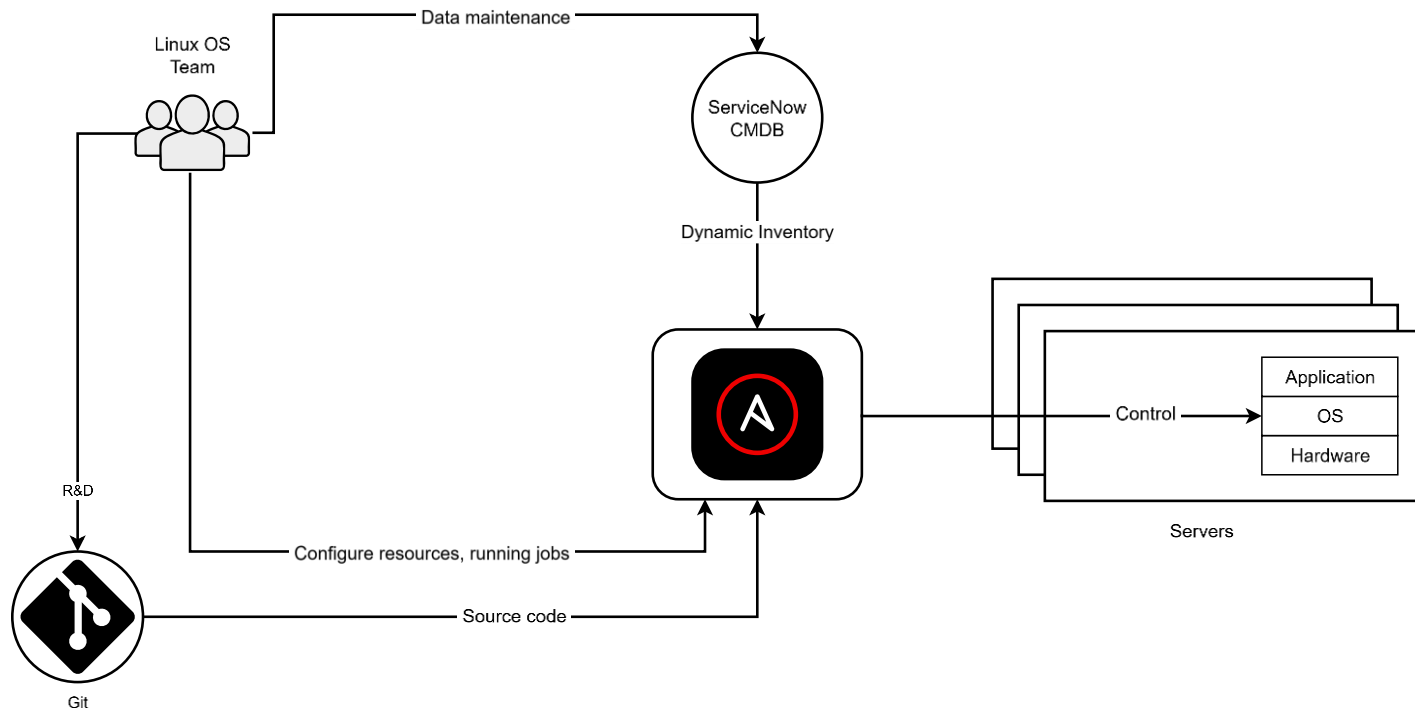
Automation @ Arbetsförmedlingen

An unusual use case driving unusual design choices

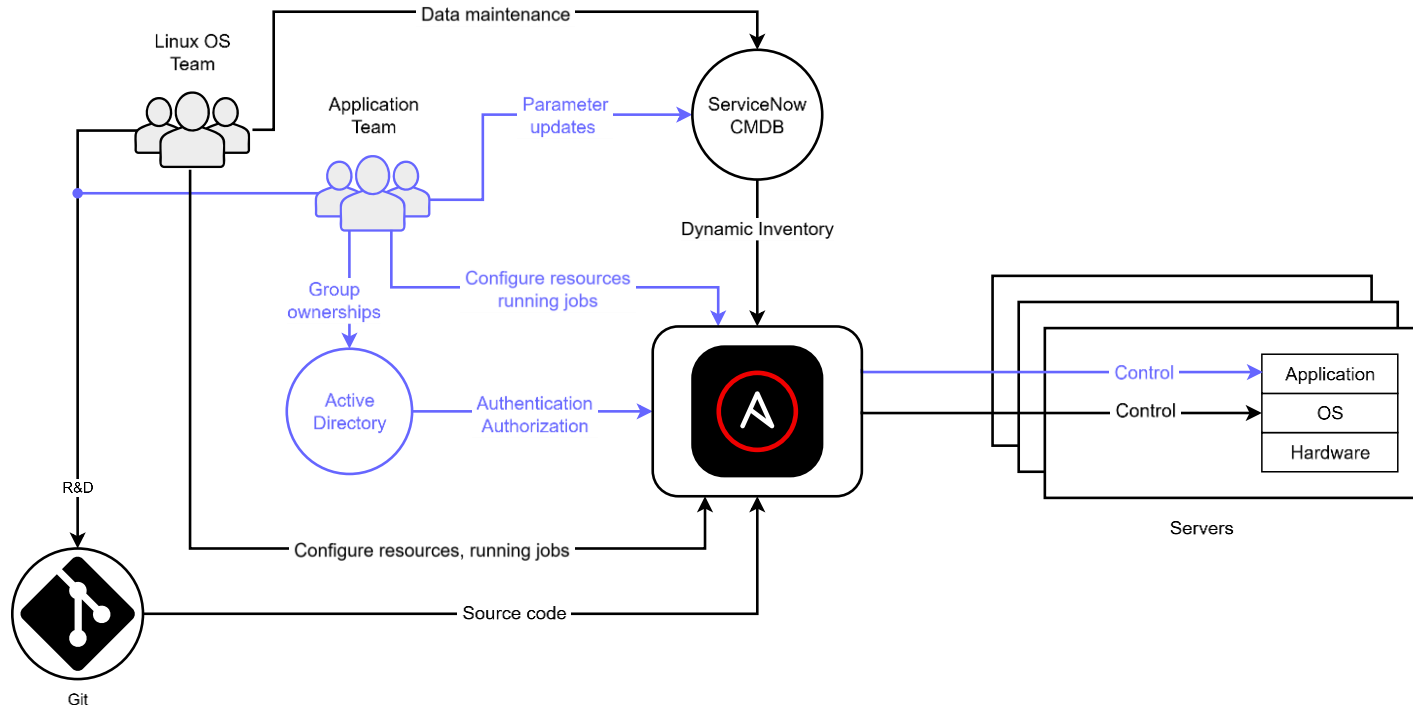
Who are we

- Linux OS team Swedish Public Employment Service – IT-infrastructure
- Karl Ling 
- Anders Nygård 
- Roughly 100 infra, Circa 1000 IT, About 10000 in total

System diagram



System diagram



Standard Operating Environment (SOE)

Server
Provisioning

OS
Configuration

Apply OS
updates

App team: goal

- Autonomy and seclusion for the App teams
- Crowd sourced authentication and authorization
- Benefit from the global CMDB inventory
- Implemented with security in mind

App team: setup

- An organization per App team
- Active Directory groups mapped to teams and roles
- Their slice of the global CMDB inventory
- Ansible user and keys are only distributed to the appropriate servers

App team: benefits

- Self governance*
- App team controls who does what, through AD group membership
- Avoid overhead for manually maintaining inventories.
- Prevents cross-team server interference

Conclusions

- TBW

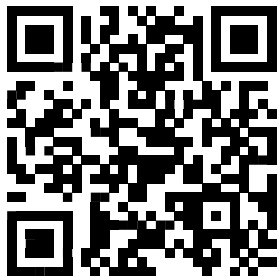
Ag ility is silver

Au tomation is gold

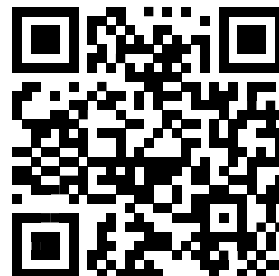
Ag ility is silver

Au tomation is gold

Thank you!



Karl Ling

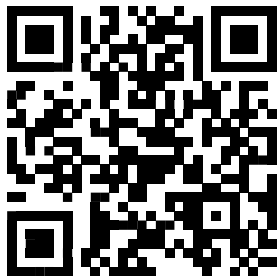


Anders Nygård

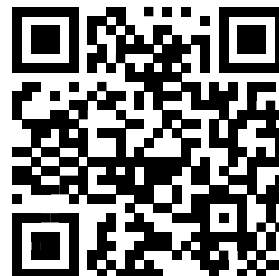
Ag ility is silver

Au tomation is gold

Thank you!



Karl Ling



Anders Nygård