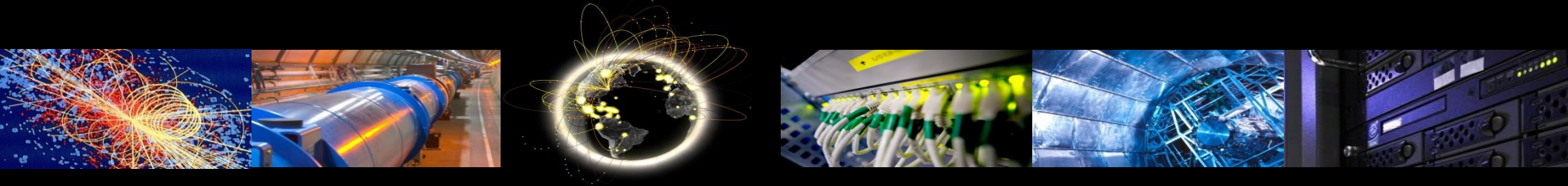Authored by Hannah Short

WLCG IAM Deployment at CERN

WoTBAn&Az

October 18th 2021

Deployments

Welcome to **atlas**

Sign in with

Your X.509 certificate

CERN SSO

Not a member?

Apply for an account

https://atlas-auth.web.cern.ch

Welcome to **cms**

Sign in with

CERN SSO

Not a member?

Apply for an account

https://cms-auth.web.cern.ch

Welcome to **alice**

Sign in with

CERN SSO

Not a member?

Apply for an account

https://alice-auth.web.cern.ch

TBC

https://lhcb-auth.web.cern.ch

WLCG
Worldwide LHC Computing Grid
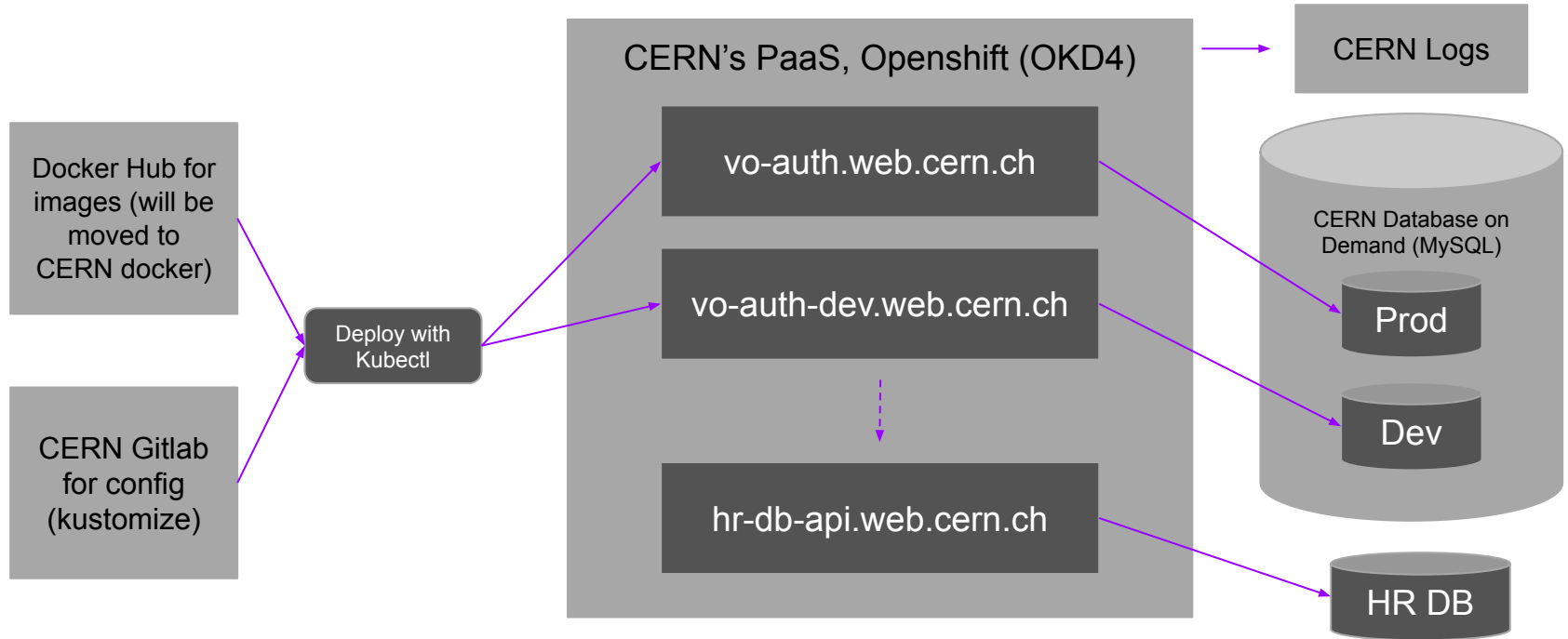
Infrastructure

Leveraging CERN's infrastructure as far as possible.
Scalable deployment on Openshift.

Authentication

- LHC VOs have two login options
  - Certificate login
  - CERN SSO
- Expectation that users will authenticate with CERN SSO for registration and can add certificate later if desired
  - CERN SSO token used to validate VO membership
- Additional admin login form hidden for normal workflows

Support

- Supported by CERN's Authentication Team (IT-CDA-IC)
    - 24/7 Service Desk will escalate tickets when needed
- Working very closely with Andrea Ceccanti
- TBC whether WLCG/CERN security team will have direct access as administrators or whether blocking API required

Trust

- Policy requirements for WLCG Token Issuers yet to be defined
- Likely that IGTF will continue to play a crucial role
  - Attribute Authority Operation Guidelines already analysed and some necessary changes identified

Next Steps

- Complete full development infrastructure
  - Ideally with automatic deployment with gitlab CI

- Complete production readiness checklist
  - Stress tests
  - Incident response procedures (plus tests)
  - Monitoring
  - … etc :)

Questions?