AUSTRIAN DATALAB AND SERVICES

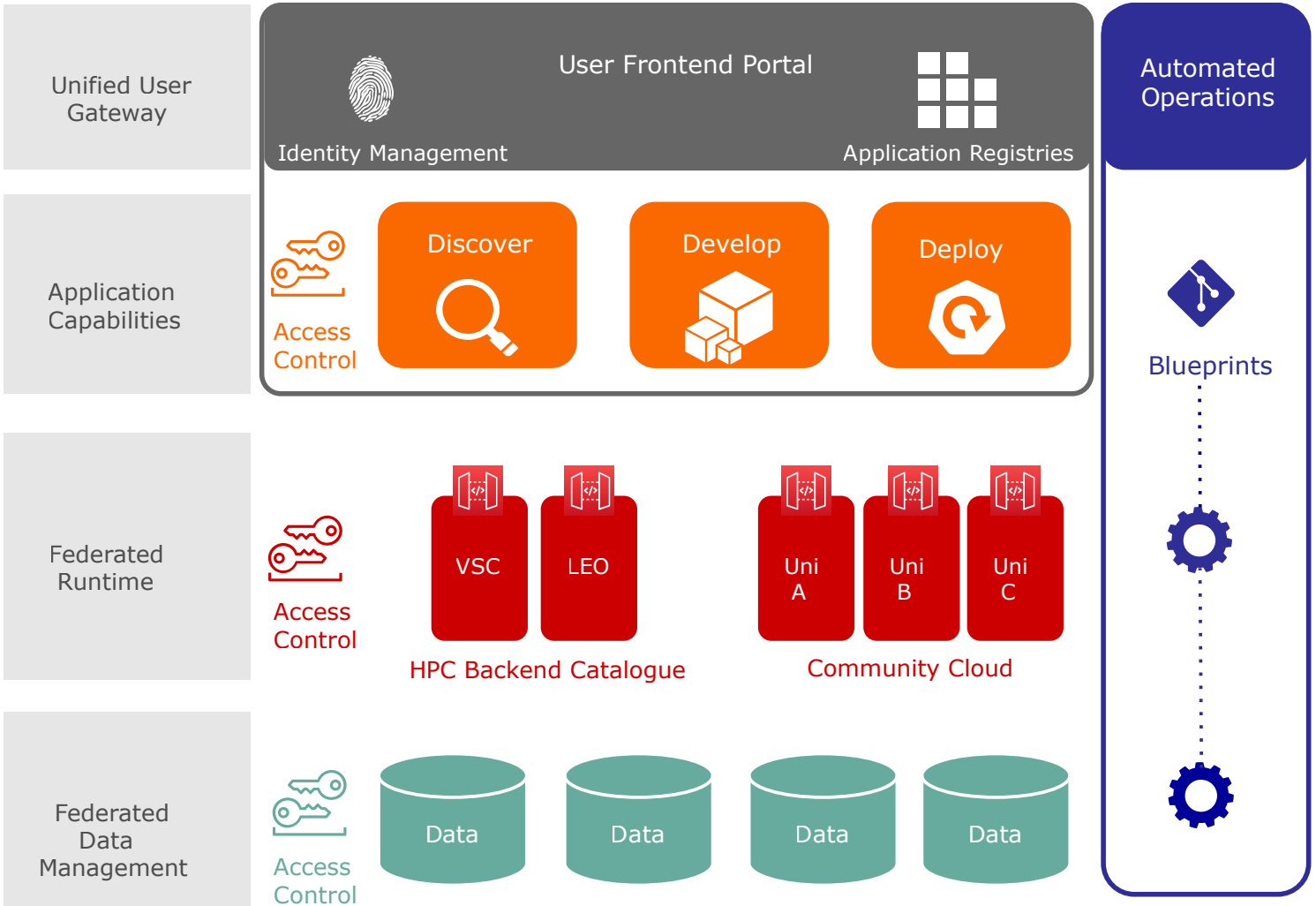
CLUSTER FORSCHUNGSDATEN

UNIFIED ACCESS TO SERVICES

DISCOVER · BUILD · SHARE · DEPLOY

↳ TOOLS · DATA · RESOURCES ↲

FINE GRAINED ACCESS MANAGEMENT

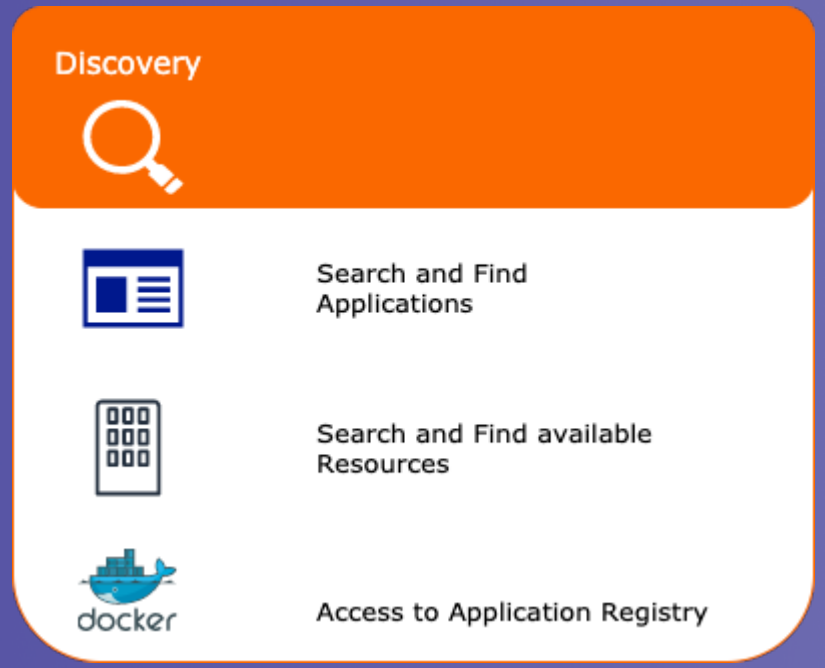


DISCOVERY
Product Vision

Explore existing applications and resources.

Key aspects and possible application scenarios are:

- Access to High Performance Computing Clusters - what is available and how could it be useful for the respective application scenario
- Access to Container Registry - search existing applications
- Access to data - search data catalogues
- Interactive and user-friendly UI



DEVELOPMENT

Product Vision

Run complex and compute intensive applications in a collaborative way.

Key aspects and possible application scenarios are:

- Access to HPC Clusters
- Access to online tooling around development, testing and governance
- Ease of data management (large volumes of data)
- Numerical modelling
- Image analysis
- Training neural networks
- Testing code and applications

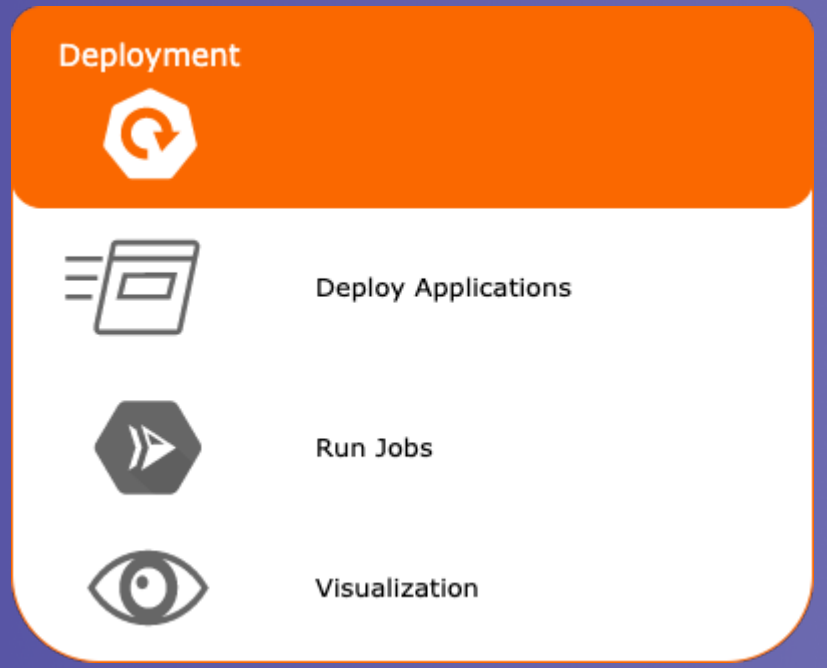
DEPLOYMENT

Product Vision

Deploy different applications or create and submit jobs.

Key aspects and possible application scenarios are:

- Choose your desired runtime
- Easily deploy your applications
- Monitor running applications
- Create and submit scheduled jobs
- Ease of use
- Visualize outcomes



WHY ARE WE DOING THIS?

Researchers, Non-Technical-Users & Teaching Staff want:

- Accessible data-science tools and resources
- Facilitation of:
  - Data sharing
  - Collaborative development
- Make use of existing computational power
- Reproducibility of results
- More user-friendly access to HPC clusters
- Not worry about infrastructure layers
  - Independence from a few expert-users
  - (Self-service) support
- Research-driven teaching

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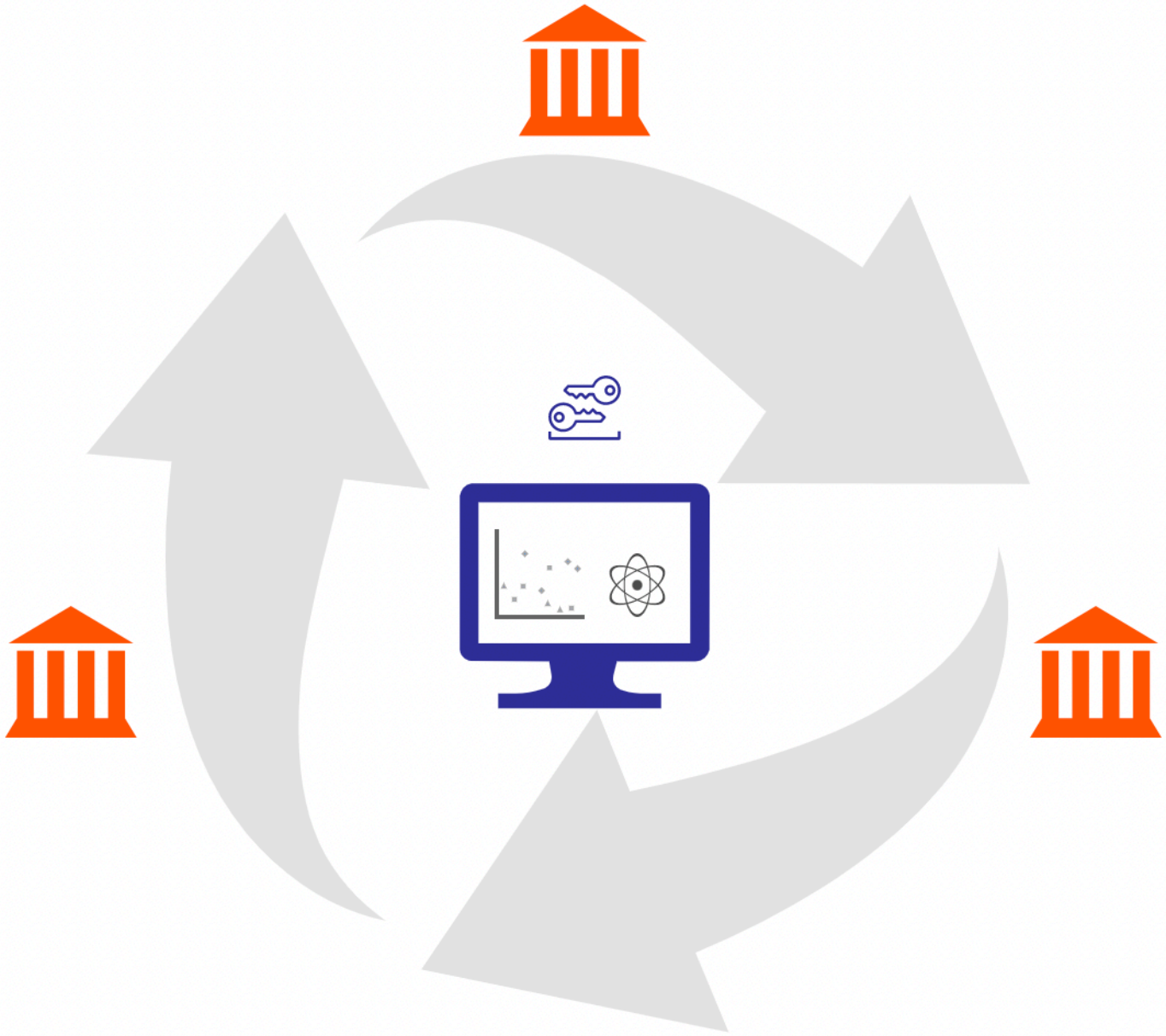

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