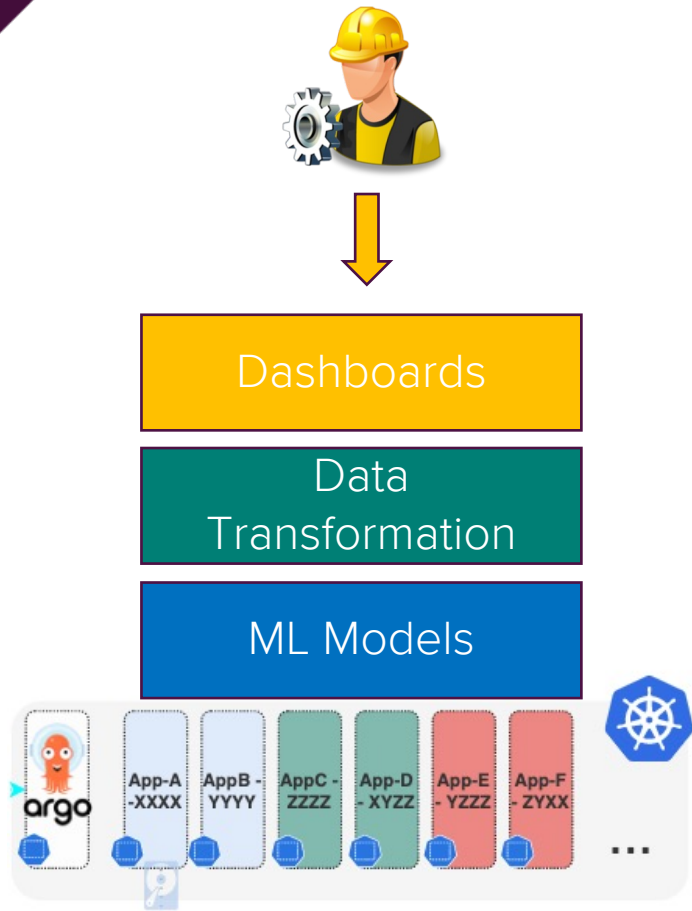


The background of the slide is a photograph of a building facade. A prominent feature is a vertical neon sign that reads 'XEBIA' in a stylized, outlined font. The building wall is covered in colorful graffiti, including a large mural of a person's face. The sun is visible in the lower left, creating a lens flare effect. A large purple diagonal shape overlays the right side of the image.

# Building "Islands" of Innovation on Regulated Environments:

- An X Use Case

Lucas Albuquerque | 21-06-2022

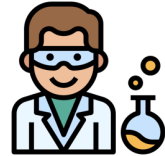


REDACTED FOR COMPLIANCTE REASONS

# What We Found

- No Common Git Strategy defined
- No CI/CD common practices
- Troublesome on-boarding of new apps due to a lack of guidance, templates or blueprints
- Unstructured way of managing apps using **not-conforming K8S YAML** definitions
- Manual and repetitive operational tasks (**Human error-proned**)
- **DS/DE with limited knowledge on K8S** leading to dissatisfaction/frustration
- No Internal Developer Platform (IDP) for tests and experimentations
- Constrained K3S platform based on single-nodes (not-scalable)
- Frictions between **Data Science** and **IT/Infra**

# Breaking Down the Challenge



Data Scientists



Data Engineers



Data Science Team

- Innovation
- Agile process
- Experimentation
- Limited SW Dev Background



kubernetes



IT / Infra Team

- Burocratic Process
- Painful Approval Chain
- Compliance Rules to Attain
- Lack of Sense of Purpose

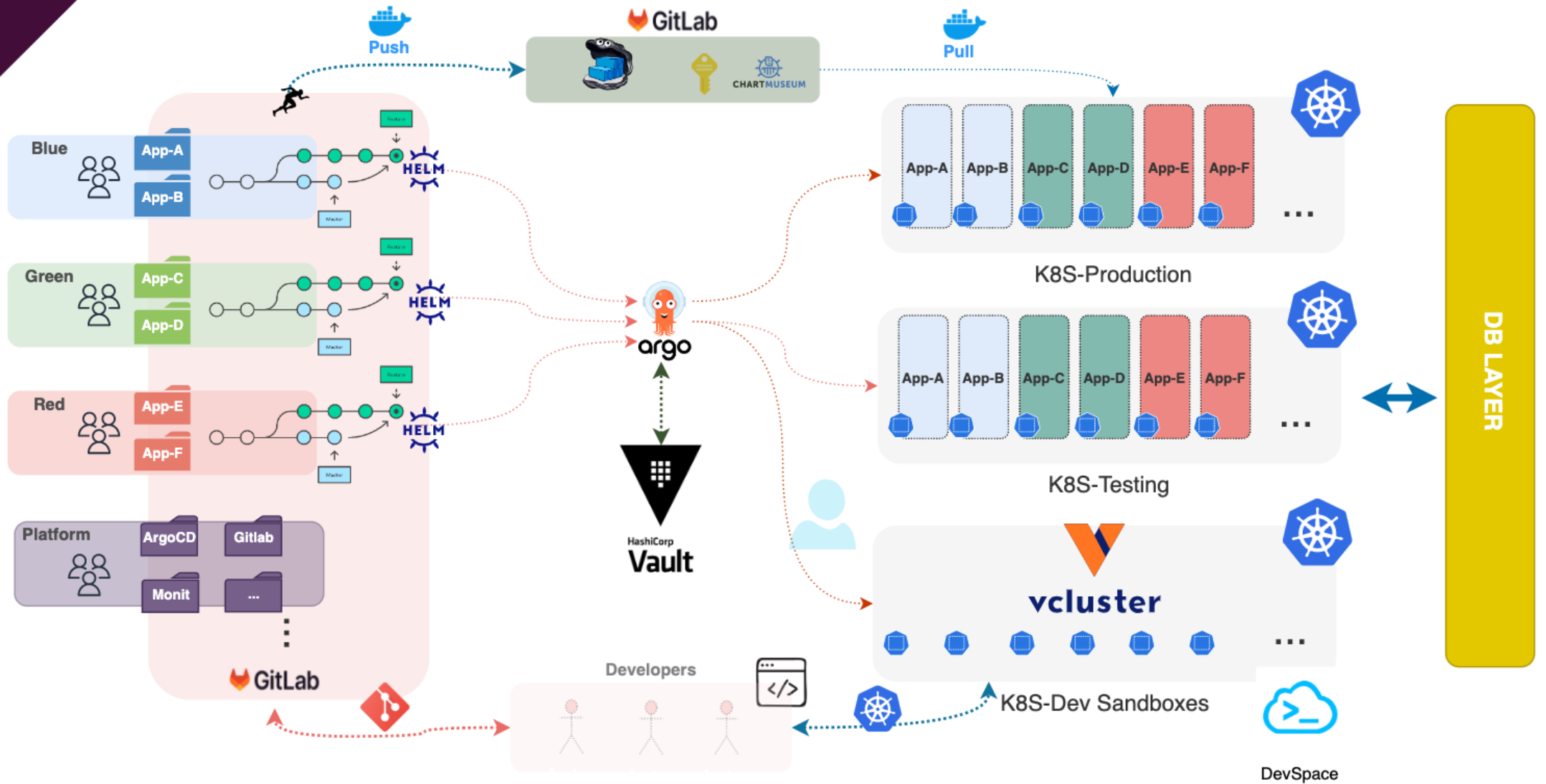


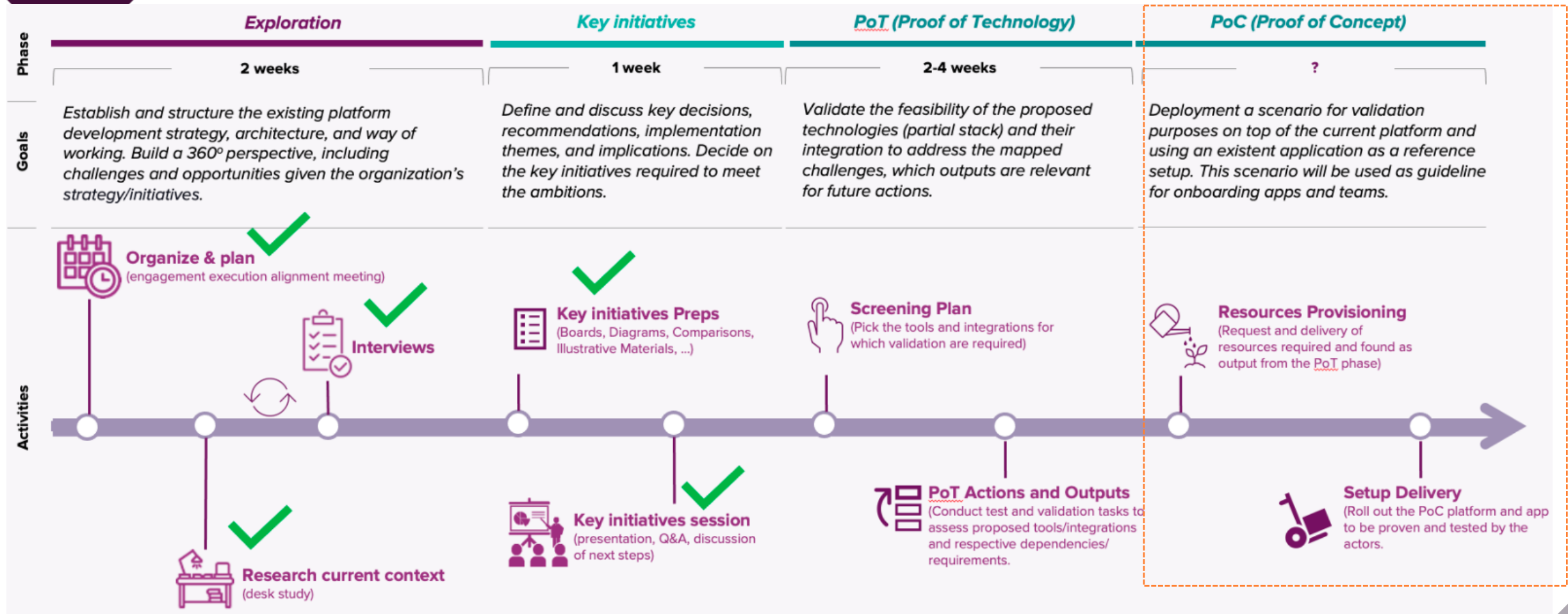
vmware  
vSphere

How to building a Platform on top of a controlled infra that could be consumed by limited skilled users with the least cognitive load as possible?

How to create a self-service app platform using automated process, being at the same time flexible and compliant?







## Learnings so far...

- For some orgs, **on-prem** is **still a reality**, hence our toolbelt must be prepared for that
- **Go against compliance and process** is a **pointless** approach. Reach out to internal people who knows the orgs best and can facilitate things up
- Establish **regular and direct communication** channels with all the stakeholders. People need to be informed about achievements and blockers
- **Moderate the “tone”** based on the recipient
- Engineering is commodity. What matters is the **value we add** to the customer
- **Be part of the customer’s team**





# Thanks for Joining Questions?

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Xebia