Private cloud operation - DevOps basics

Developer → Developer → Developer → Test, accredit → Container registry → Orchestrator → Host w/ containers, Host w/ containers, Host w/ containers

Jenkins
Puppet
...

Github
...

Kubernetes (+Helm)
Docker Swarm
AWS ECS

RHEL, SEL, …
Docker, singularity
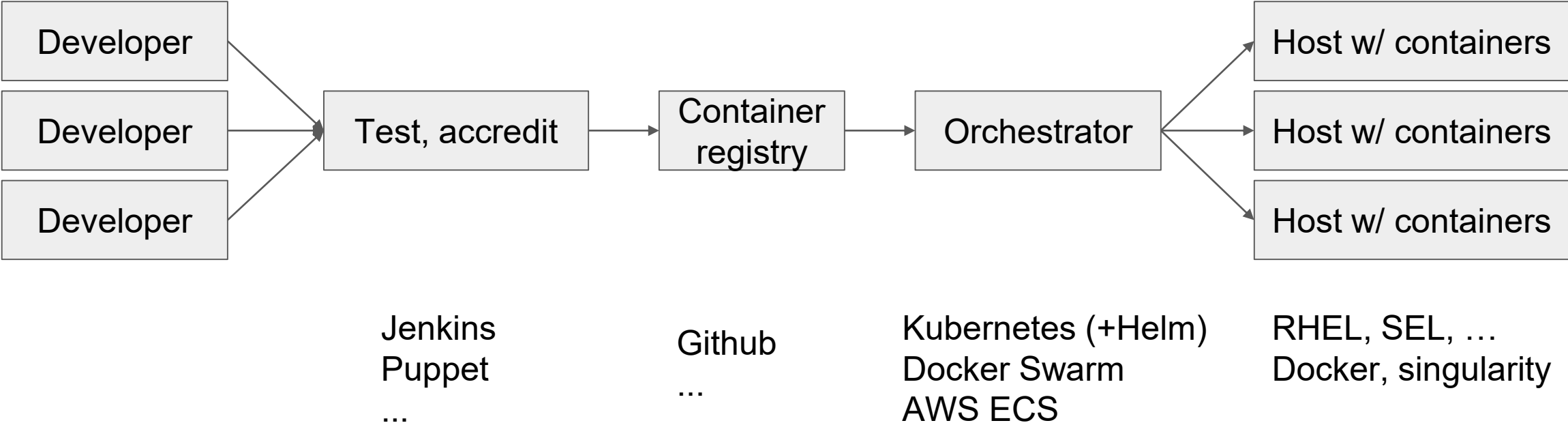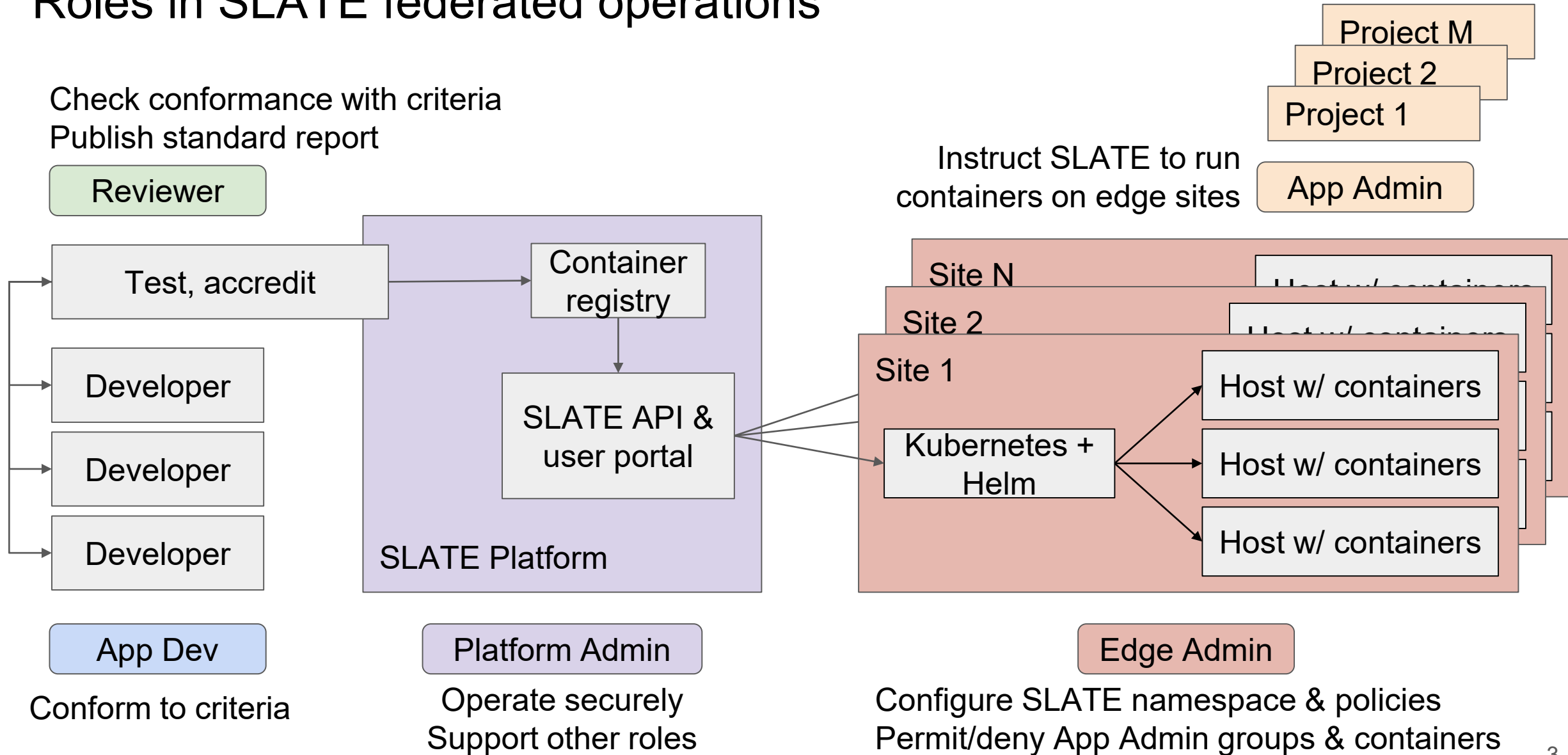
A single organization manages everything

SLATE: federated DevOps
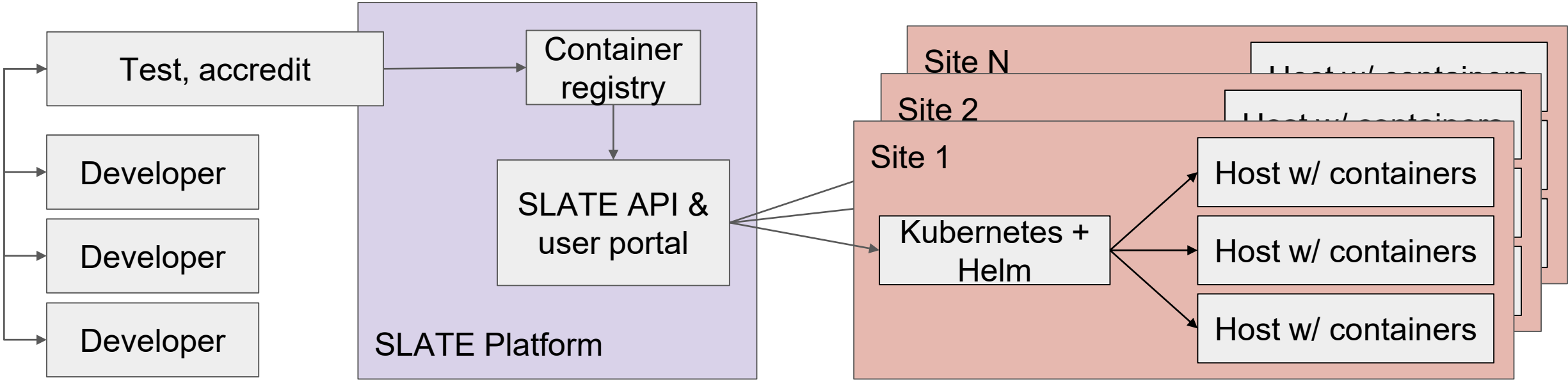
Roles in SLATE federated operations

Check conformance with criteria
Publish standard report

Reviewer

Instruct SLATE to run containers on edge sites

Project M
Project 2
Project 1

App Admin

Test, accredit → Container registry

Container registry → SLATE API & user portal

Developer

Developer

Developer

SLATE Platform

Site N
Site 2
Site 1

Kubernetes + Helm → Host w/ containers
Host w/ containers
Host w/ containers

App Dev

Conform to criteria

Platform Admin

Operate securely
Support other roles

Edge Admin

Configure SLATE namespace & policies
Permit/deny App Admin groups & containers

3

Application Container Review Procedures

Fundamental goal: *to report each container's adherence to application review criteria so that Edge Admins can better understand the risk*

- Critical comments are solicited!
- Copies of gdocs are in:

https://drive.google.com/drive/folders/1ZZcM174IA8msM_aaVSZTQPQIuemAe9Sc

- Developer Obligations and Reviewer Obligations require following the Application Development and Review Procedures, which is the main object of your review
- Anyone can leave comments in the gdocs – please do!

Thank you!