k2view

Fabric and TDM Services

Deployment Overview

Multiple Management Options

From fully managed, Self-managed, and Hybrid,
on GCP/AWS/Azure Cloud Providers and On-premises

SaaS Managed
on K2cloud

K2view Fabric and TDM Services are hosted and managed for a customer by K2view.

A customer's environment and data is fully segregated and secured.

Dedicated connectivity to customer-hosted and managed data sources and targets.

Self-Managed
Cloud/On-prem

K2view Fabric and TDM Services are hosted and managed by a customer within a customer-owned environment in the Cloud or on-premises.
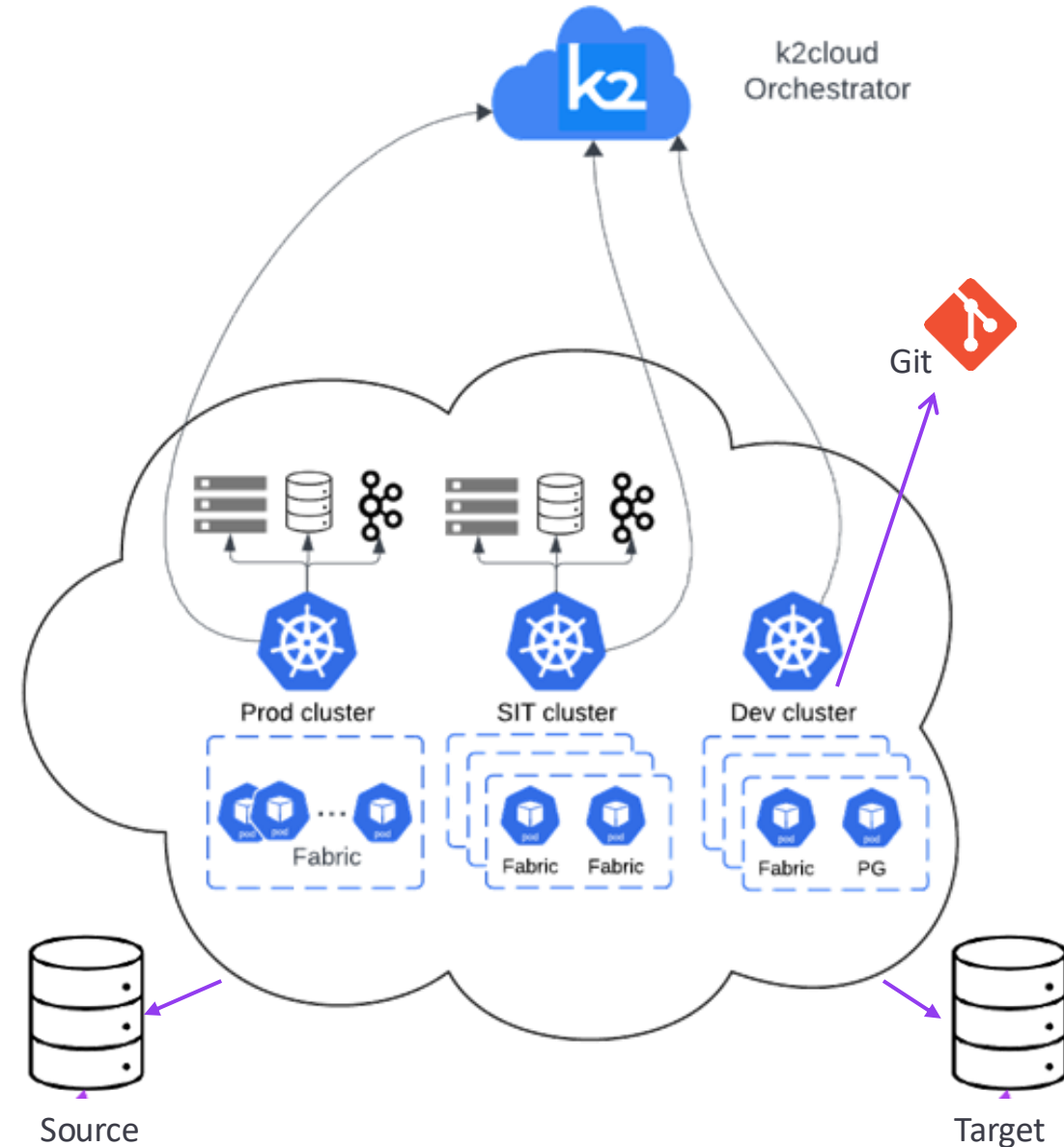
Hybrid
Cloud/On-prem

Distribute K2view Fabric and TDM Services across Cloud and on-premises environments.

Choose when and how data moves from an on-premises environment to the Cloud.

K2cloud Components

- **K2cloud Orchestration Platform**: Creates, controls, and monitors Fabric and TDM.
  - Manages projects, sites, and spaces
  - Instructs K8s how to create spaces
  - Simple to use UI for provisioning Fabric and TDM on a Kubernetes cluster in the Cloud or on-premises
- **Kubernetes (K8s) Cluster:** where K2cloud spaces are deployed for development, integration testing, or production
- **Clusters:**
  - Studio for development
  - Production Fabric / TDM Application
  - Integration Testing / Staging – a best practice
- **Git:** used for development, build, and deployment to target environments

K2cloud Deployment Options

- K2cloud offers full-managed SaaS, self-managed/hosted, or hybrid deployment options.

- Available on GCP, AWS, and Azure or on-premises.

- K2view offers a uniform approach to deployment, infrastructure, behavior, and service lifecycle.

- Whether deployed on the Cloud or on-premises, services function identically.
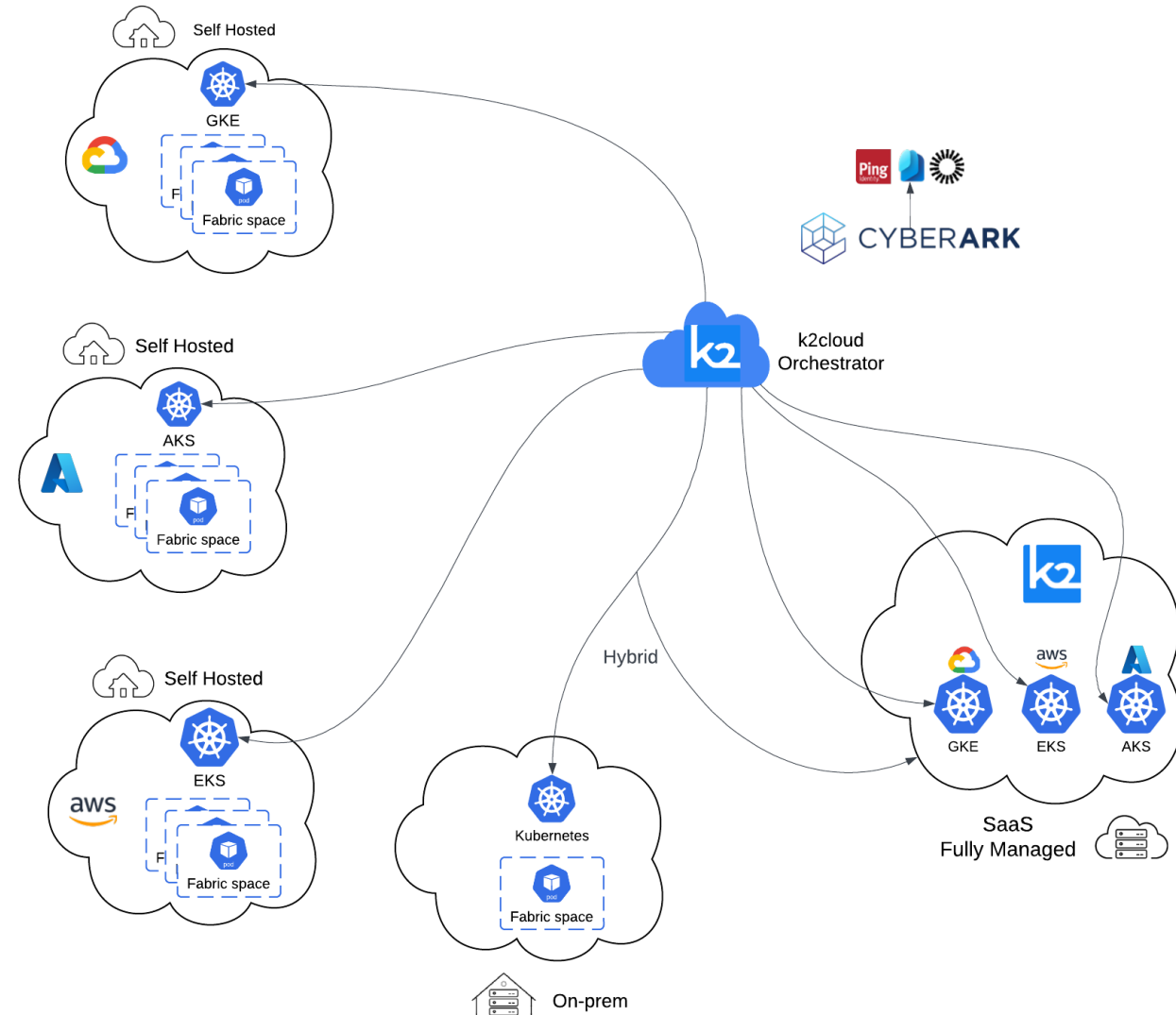
K2view Fabric and TDM Deployment Options

On-Prem/Cloud

Self-Hosted and Managed Deployment

| Environments:	Dev	SIT / Staging	Prod
Studio for Devs:	Docker Compose / Podman		
Fabric Services:		VM	VM
Offers and Requires:	**Customer-managed** provisioning, installation, upgrades, SSO, and monitoring of Docker Compose or Podman, and VM resources **Requires**: • Integration with data sources and targets		

Cloud-Managed K2cloud Kubernetes (K8s) Deployments

Environments:	Dev	SIT / Staging	Prod
Studio for Devs:	K8s		
Fabric Services:		K8s	K8s
Offers and Requires:	**Customer-managed** provisioning and installation of On-prem/Cloud K8s environments, upgrades, and SSO config **K2cloud Orchestrator**: automated deployment/creation of On-prem/Cloud K8s environments, upgrades, identity federation/SSO, and monitoring **Requires**: • (**Cloud Manager only**) Access to cloud.k2view.com • Customer-managed Git source control • Integration with data sources and targets		

K2cloud SaaS – a K2view Managed Service

K2view Managed SaaS

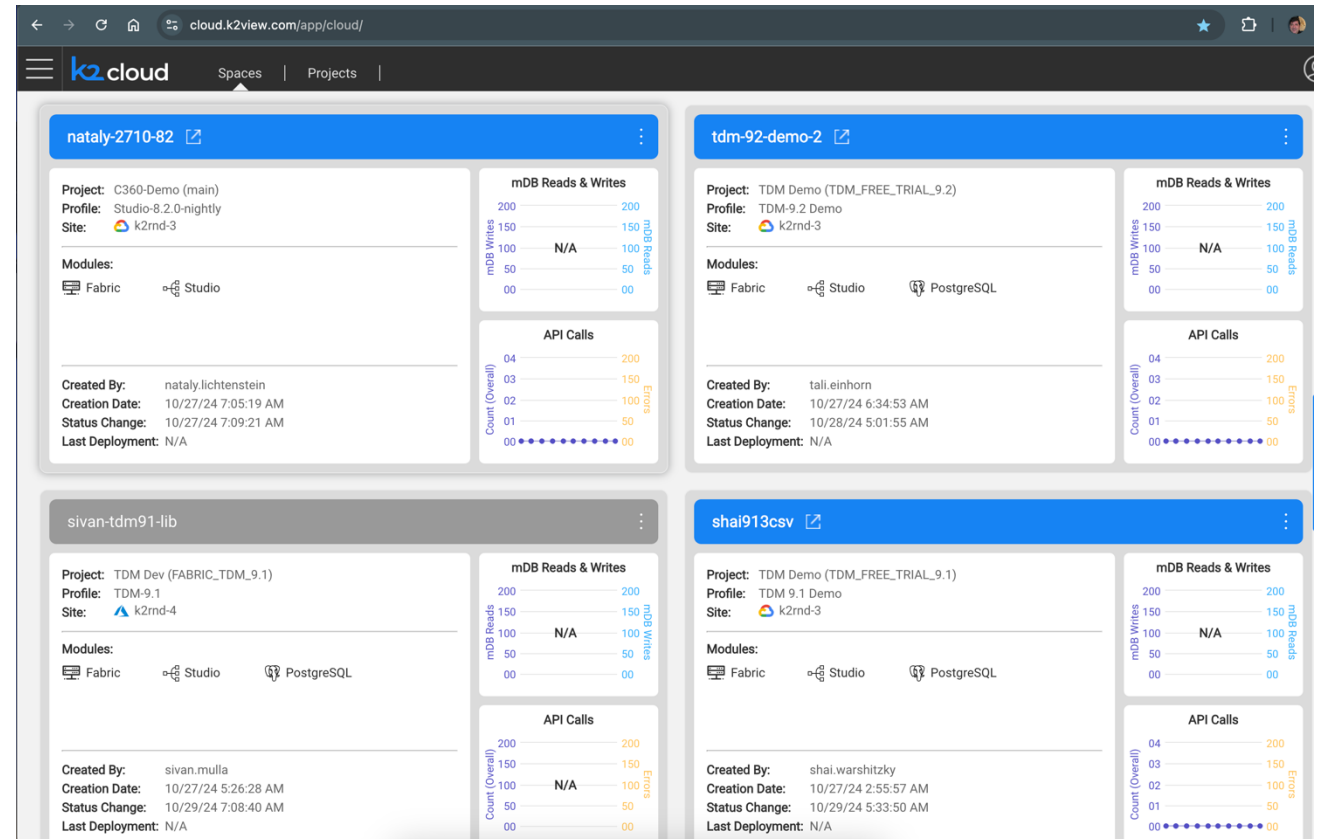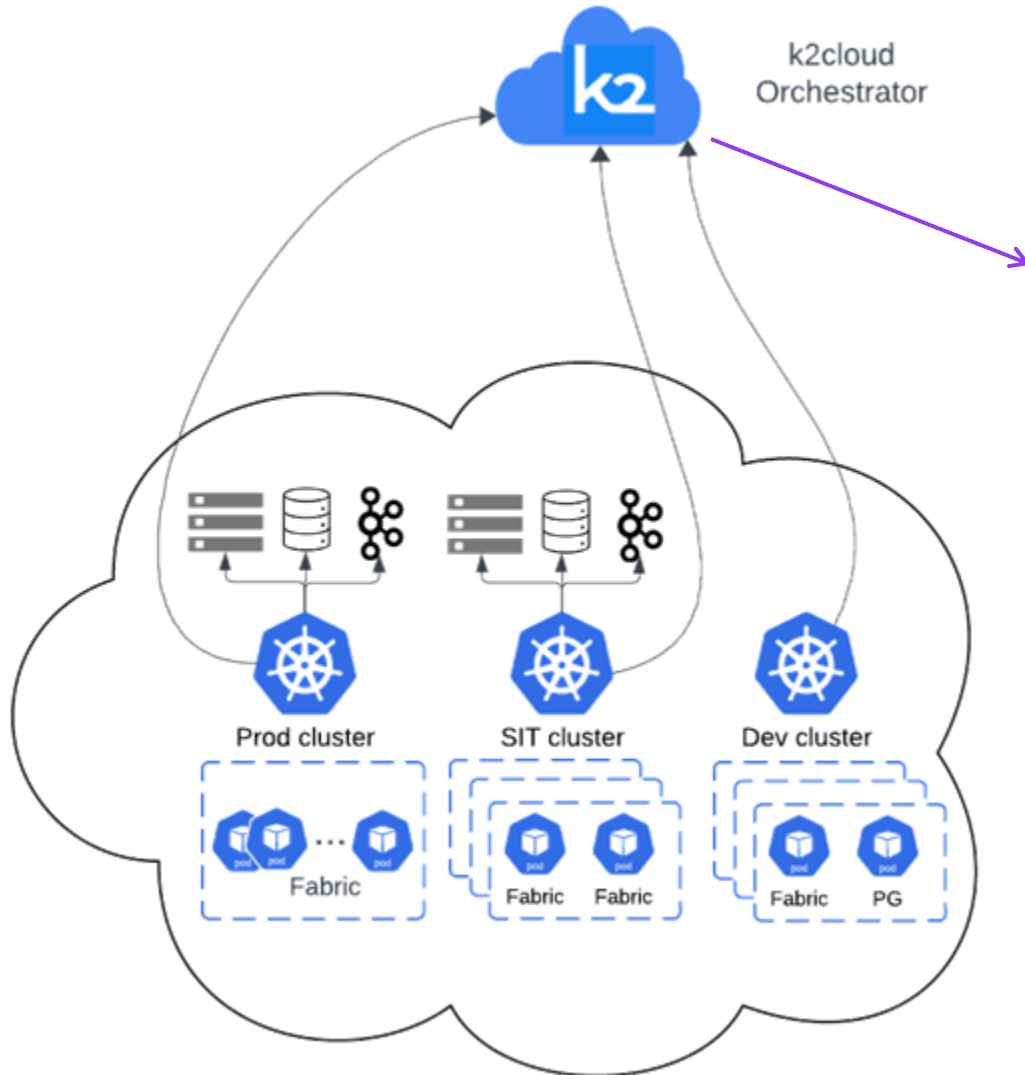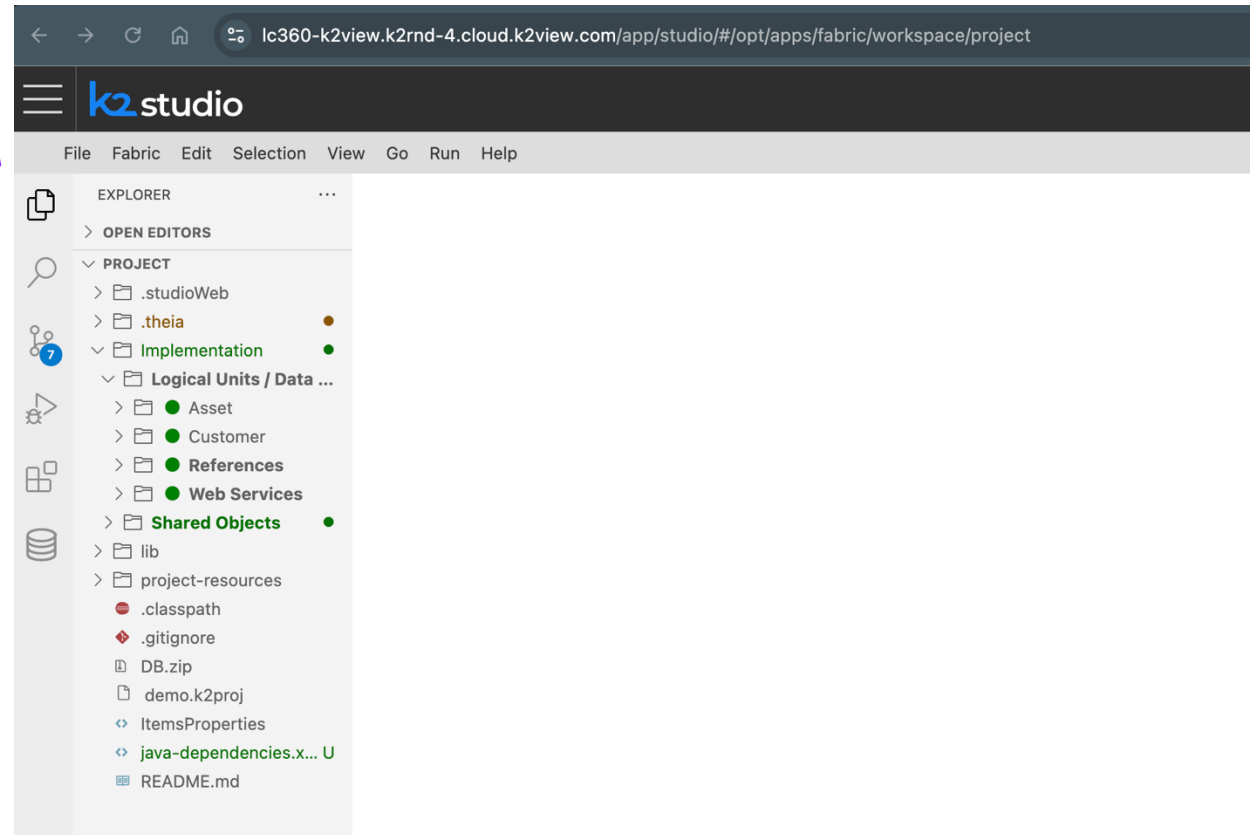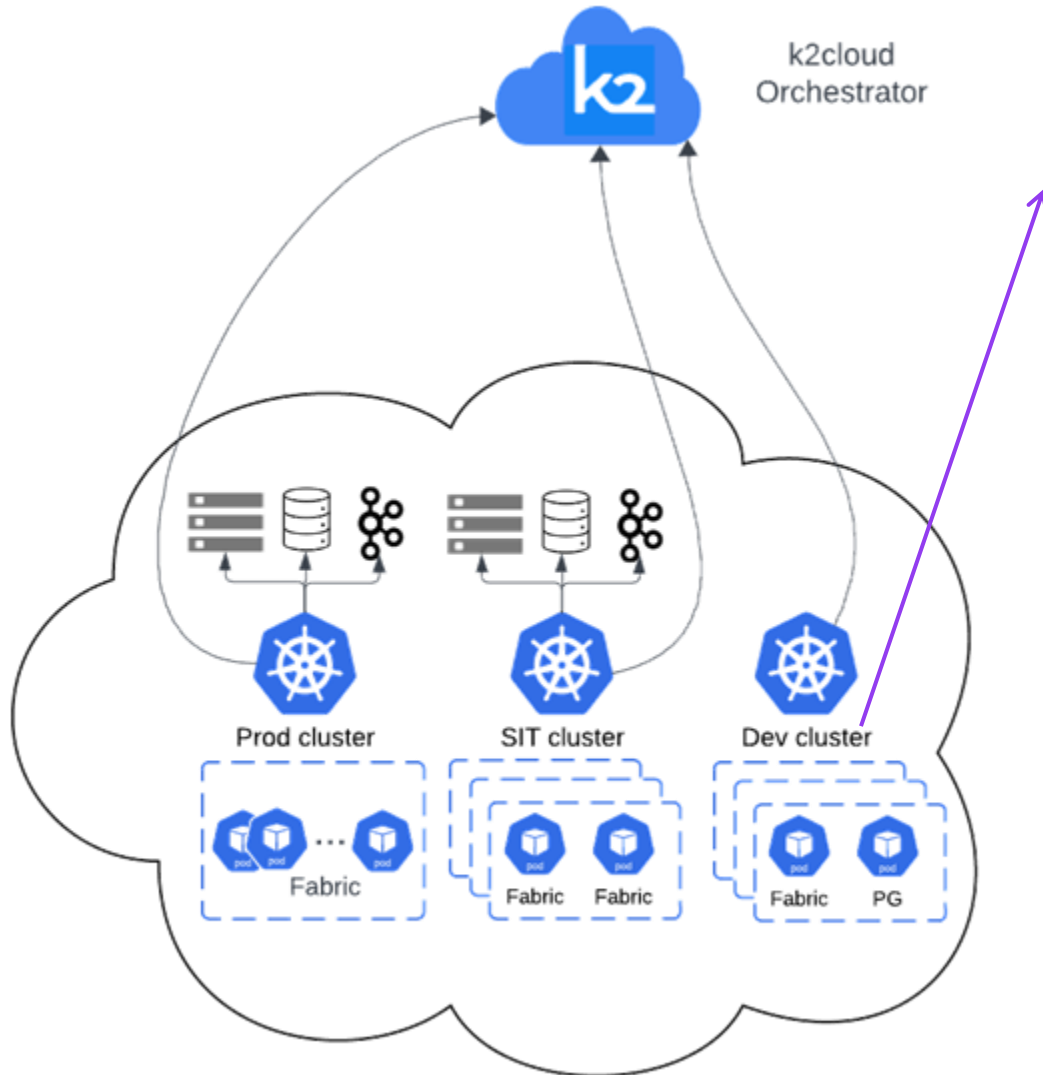| Environments:	Dev	SIT / Staging	Prod
Studio for Devs:	Serverless K8s		
Fabric Services:		Serverless K8s	Serverless K8s
Offers and Requires:	**K2cloud Orchestrator and Serverless Services** • K2view-managed and provisioned environments • K2view-managed automation, upgrades, identity federation/SSO, and monitoring **Requires**: • Access to cloud.k2view.com • Customer-managed Git source control • Customer-managed integration with data sources and targets		
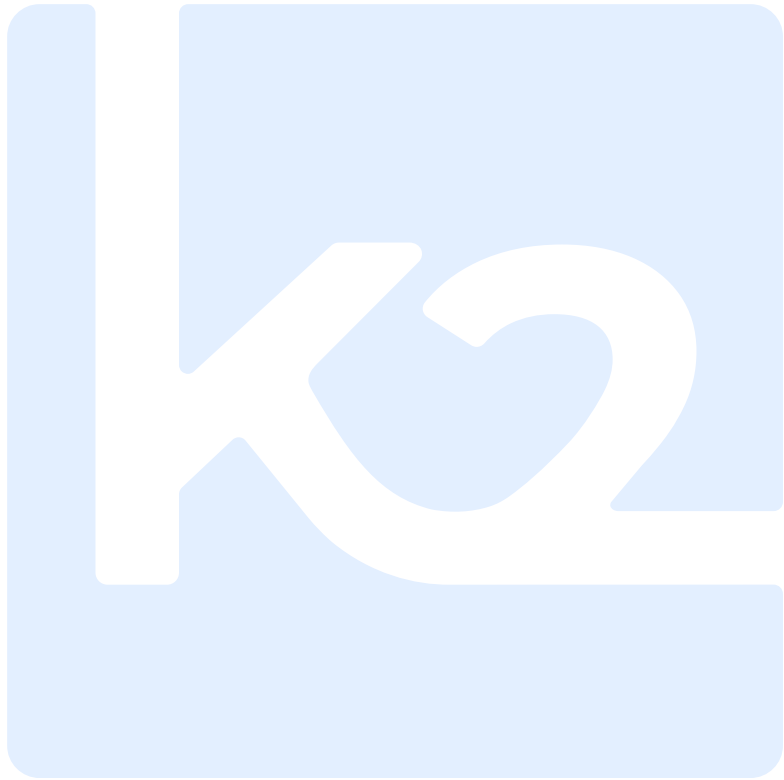
Quick Tour

K2cloud Orchestrator

K2cloud Fabric Web Studio

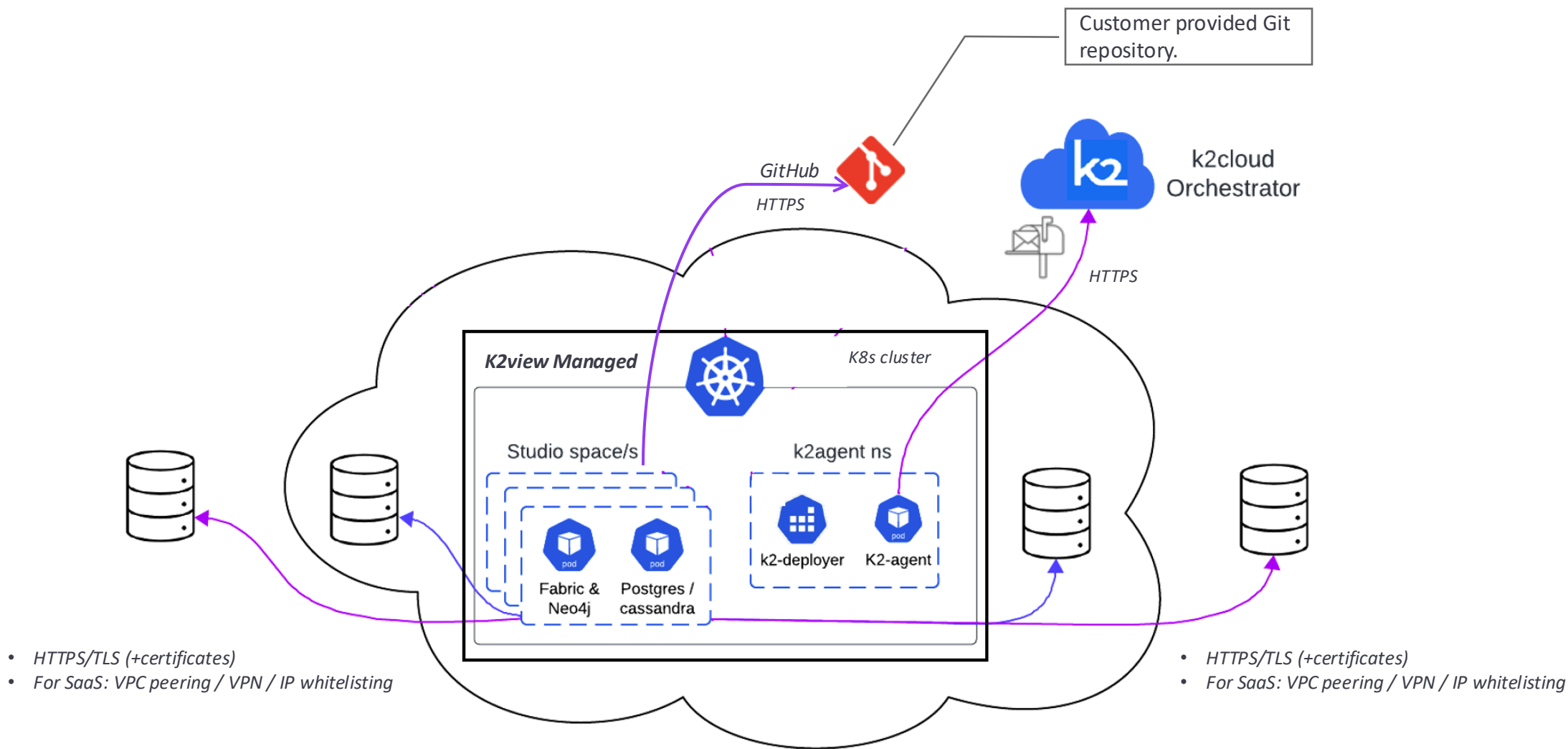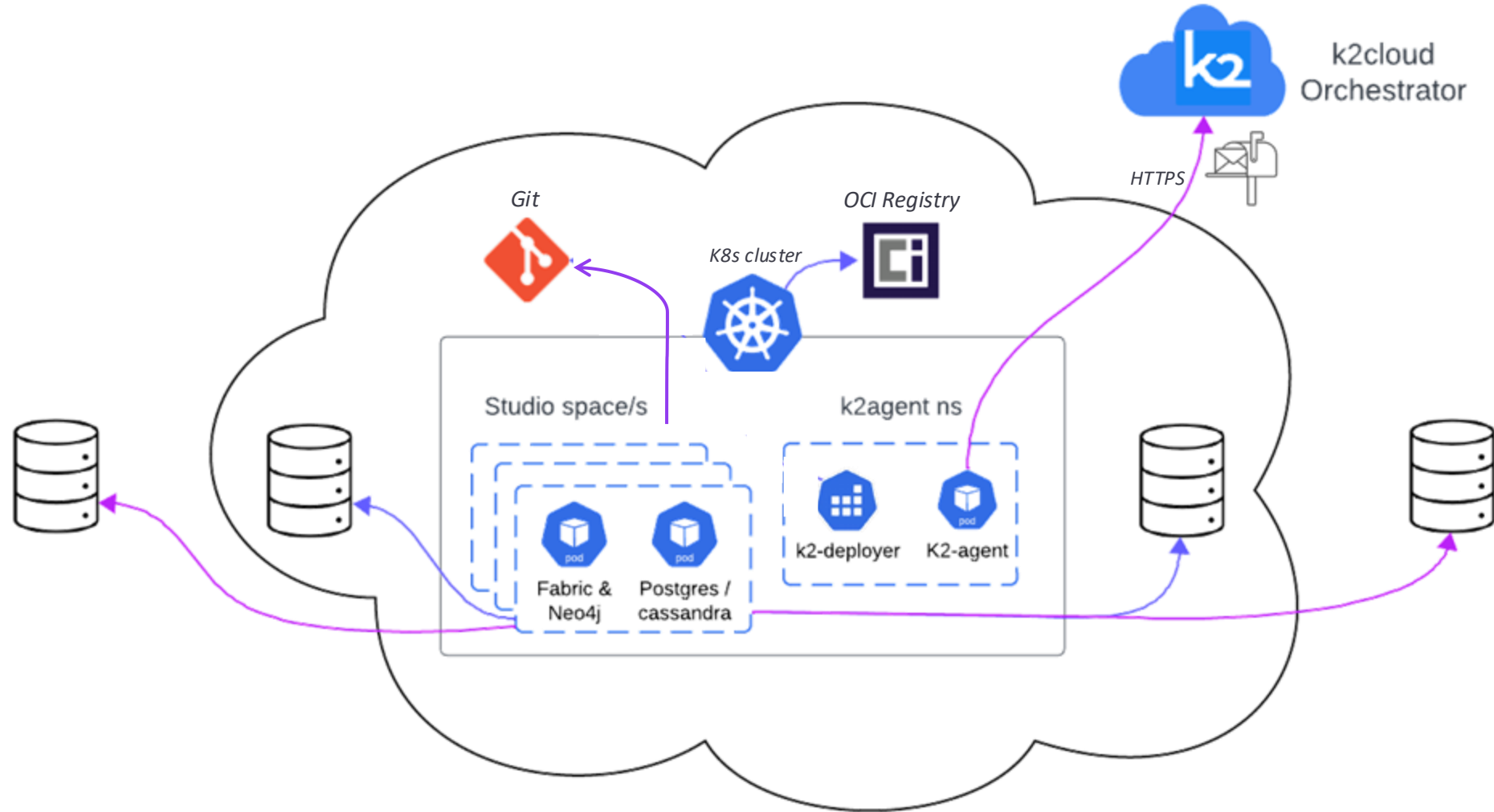# K2cloud Space Administration

Offered as a SaaS Managed Service

Customer provided Git repository.

GitHub

HTTPS

k2cloud Orchestrator

HTTPS

K2view Managed

K8s cluster

Studio space/s

k2agent ns

Fabric & Neo4j

Postgres / cassandra

k2-deployer

K2-agent

- HTTPS/TLS (+certificates)
- *For SaaS: VPC peering / VPN / IP whitelisting*

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Deployed as a Customer Self-Managed Service

Thank you