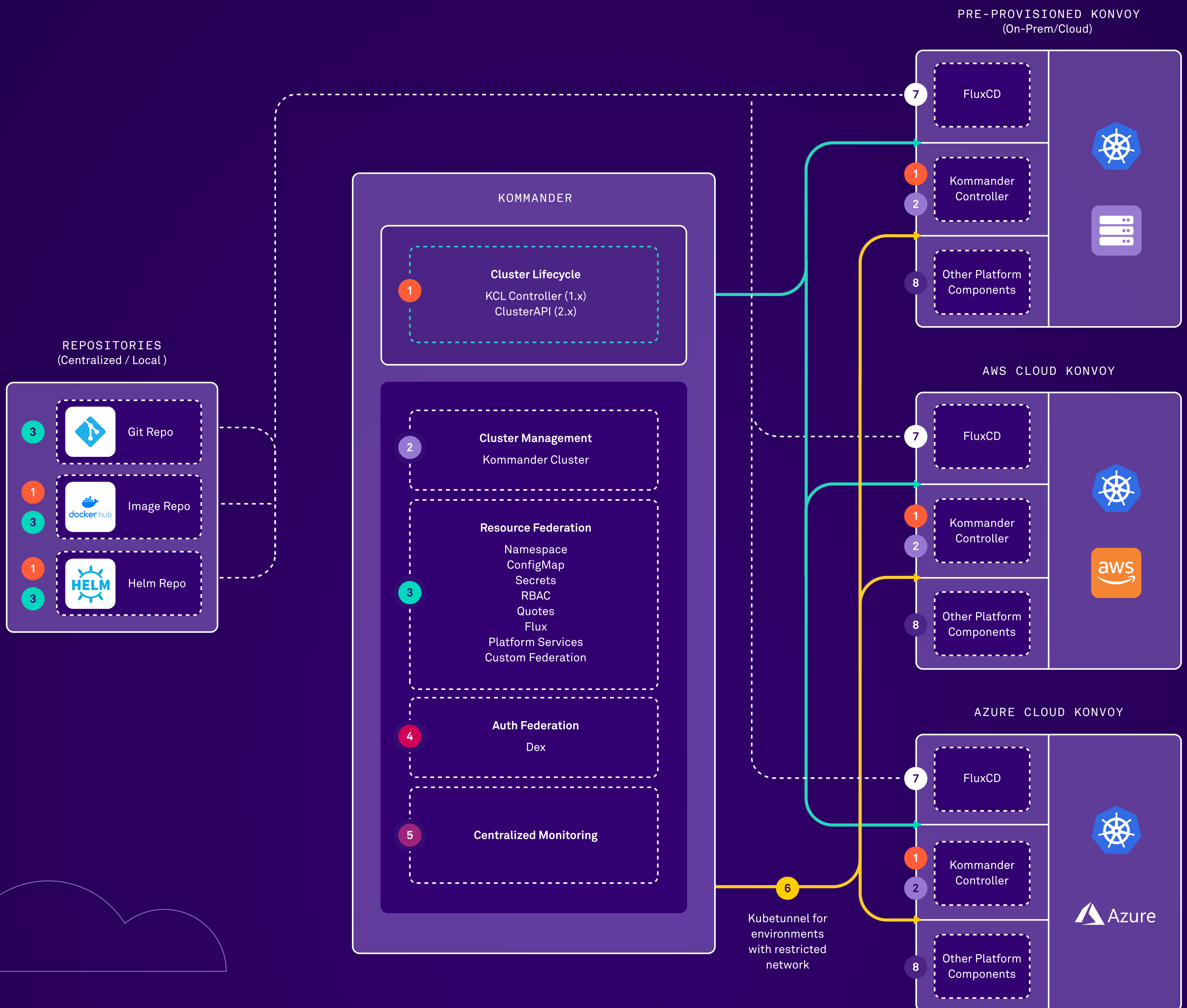


K8 Adoption



Key

- 1** Build/deploy Kubernetes clusters to multiple clouds or on-prem with the click of a button or declaratively using Kubernetes resources via the cli.
 - DKP 1.x: Kubernetes Cluster Lifecycle is managed by the KCL controller. The controller leverages Terraform & Ansible. AWS, Azure & pre-provisioned clusters are currently supported.
 - DKP 2.x: Kubernetes Cluster Lifecycle is managed by ClusterAPI. AWS and pre-provisioned clusters are currently supported.
- 2** Attach and manage Kommander provisioned Kubernetes clusters (automatic) or externally provisioned Kubernetes clusters.
 - DKP 1.x: kubeaddons-controller deploys Konvoy addons.
 - DKP 2.x: Flux CD deploys Konvoy addons.
- 3** Federate resources (both via GUI and declaratively Kubernetes resources via cli) to attached Kubernetes clusters to ensure that all clusters have the same building blocks deployed, e.g.:
 - Namespace and RBAC for a tenant.
 - Secrets & ConfigMaps used by apps.
 - Platform Services via federated catalog items.
 - GitOps projects by federating Flux objects.
- 4** Authentication is federated via Kommander using Dex.
- 5** Centralized Monitoring and Alerting using Thanos and Karma.
- 6** Kubetunnel to proxy connections to the attached clusters via Kommander for environments with highly secure/restricted networks.
- 7** Declarative Application Lifecycle Management using FluxCD.
- 8** Other Platform Components that run on top of Kubernetes to provide a production ready cluster to end users, deployed using Kubeaddons-controller in 1.x and Flux in 2.x.
 - DKP Core, e.g.: Prometheus, Grafana, Fluentbit, Velero, Traefik, etc.
 - Custom Platform Components, e.g.: Custom ingress controller, storage controller, load balancer controller, etc.