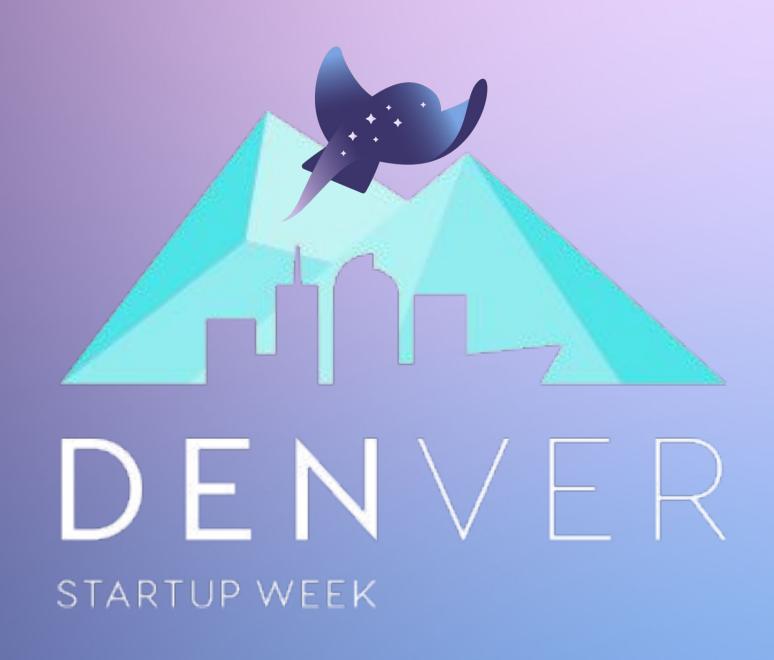


How to Start Your Startup Fast on Kubernetes





Presenting Sponsor



Headline Sponsors























CHASE O







Title Sponsors



DELLTechnologies **Dell for Startups**



Member Sponsors

Baden-Wurttemberg International

Big Compass

British Consulate-General

Canvas Community Credit Union

Caruso Ventures

Checkr

Credera

DAT Solutions

Davis Graham & Stubbs LLP

The Doyle Group

Granicus

Greenhouse Software

Kalen Jesse Photography

Red Rocks Community College

SmartMomGig

StickerGiant

Partner Sponsors

Bennett Thrasher

Colorado Sun

Contentful

Denver Economic Development & Opportunity

Endeavor

Denver Place

Geosnapshot

Industry Denver

Jake Jabs Center for Entrepreneurship | CU Denver Business School

Molson Coors

Metropolitan State University

Newmark

Park Central

Strat Labs

Sweater Ventures

Tea With Tae

Xactly

Quizlet



Developer Track Sponsor







John Dietz & Jared Edwards



john@kubefirst.io



jared@kubefirst.io



Kubernetes Wins

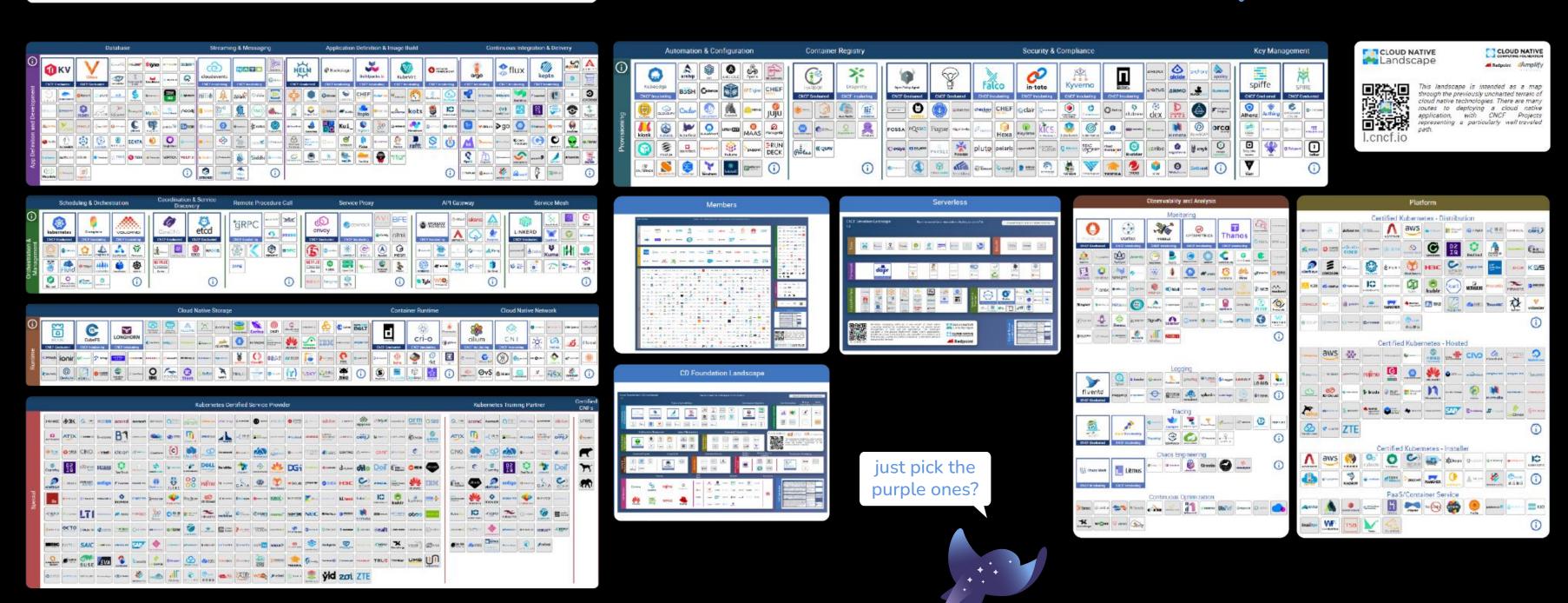






CNCF Cloud Native Interactive Landscape

The Cloud Native Community is THRIVING!





Your first 8 cloud-native platform needs (in order)

- git provider
- infrastructure as code
- gitops driver
- secrets manager
- artifact repository
- continuous integration
- authentication & authorization
- observability

how fun! let's see it!



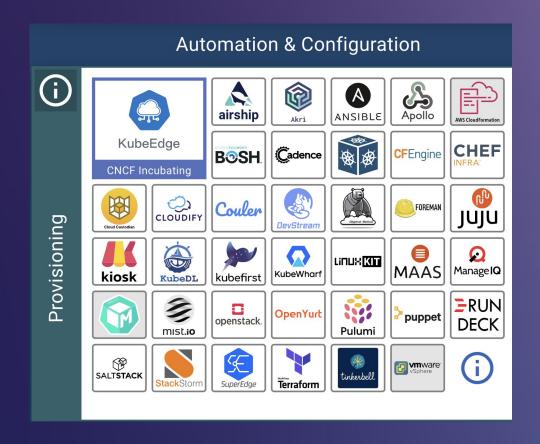
1. Git Provider







2. Infrastructure as Code













3. GitOps Driver











<u>kubefirst.io</u>

4. Secrets Manager

- secrets storage
- ephemeral credentials
- pki infrastructure
- identity provider
- oidc provider
- cloud access leasing
- single sign on
- secure and open source
- scalable and recoverable





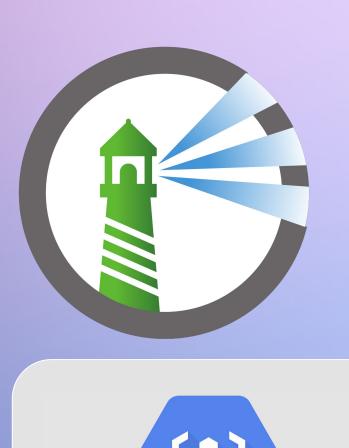
5. Artifact Repository

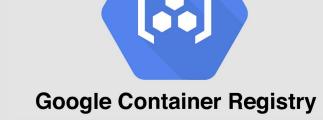
Container Registry



(() QUAY









6. Continuous Integration







7. Authentication and Authorization

- establish roles
- establish access controls and iam
- bind roles to cloud access
- bind roles to kubernetes access
- bind roles to platform tools access
- automate engineering onboarding and offboarding
- enforce two factor authentication

least privilege!





8. Observability



- logging
- application performance monitoring
- resource utilization
- monitoring
- dashboarding
- anomaly detection
- incident management

Recap

- establish git
- put your iac in git and automate it
- establish the gitops driver
- gitops your secrets manager
- terraform your artifact repository
- gitops your continuous integration
- terraform authentication & authorization
- gitops your observability



Scenarios To Avoid

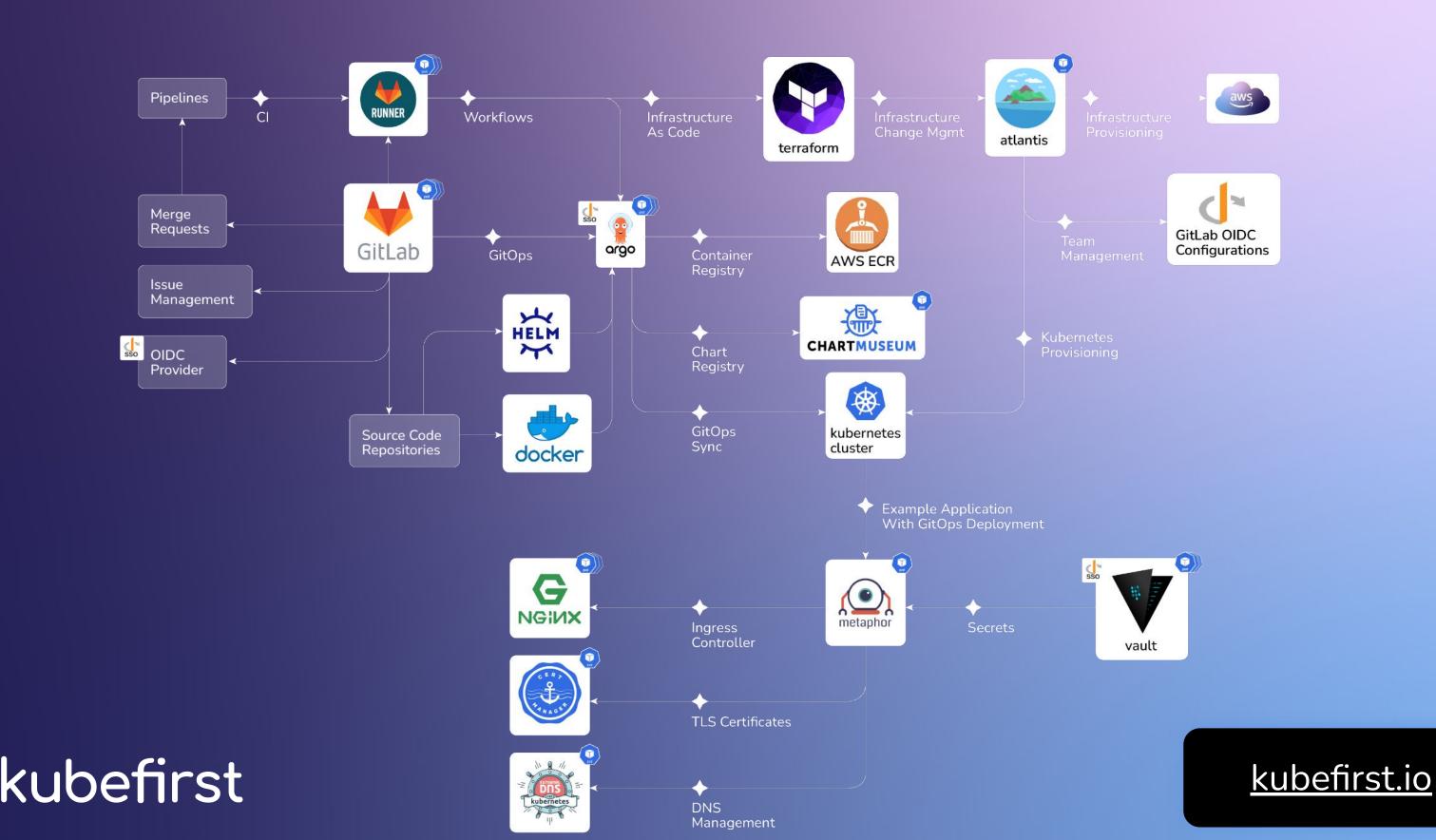
- Don't establish CI without a secrets manager
- Don't start scripting: leverage gitops
- Don't run local terraform: automate it
- Don't delay single sign on

don't start with tech debt





kubefirst open-source platform



Thank You Denver!!! DENVER STARTUP WEEK







