Kubernetes Execution

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Agenda

- Docker compose vs Kubernetes
- Preparing Kube Env Pre-Requisite
- Configuration and Cluster Setup Pointers
- Demo – Using MiniKube

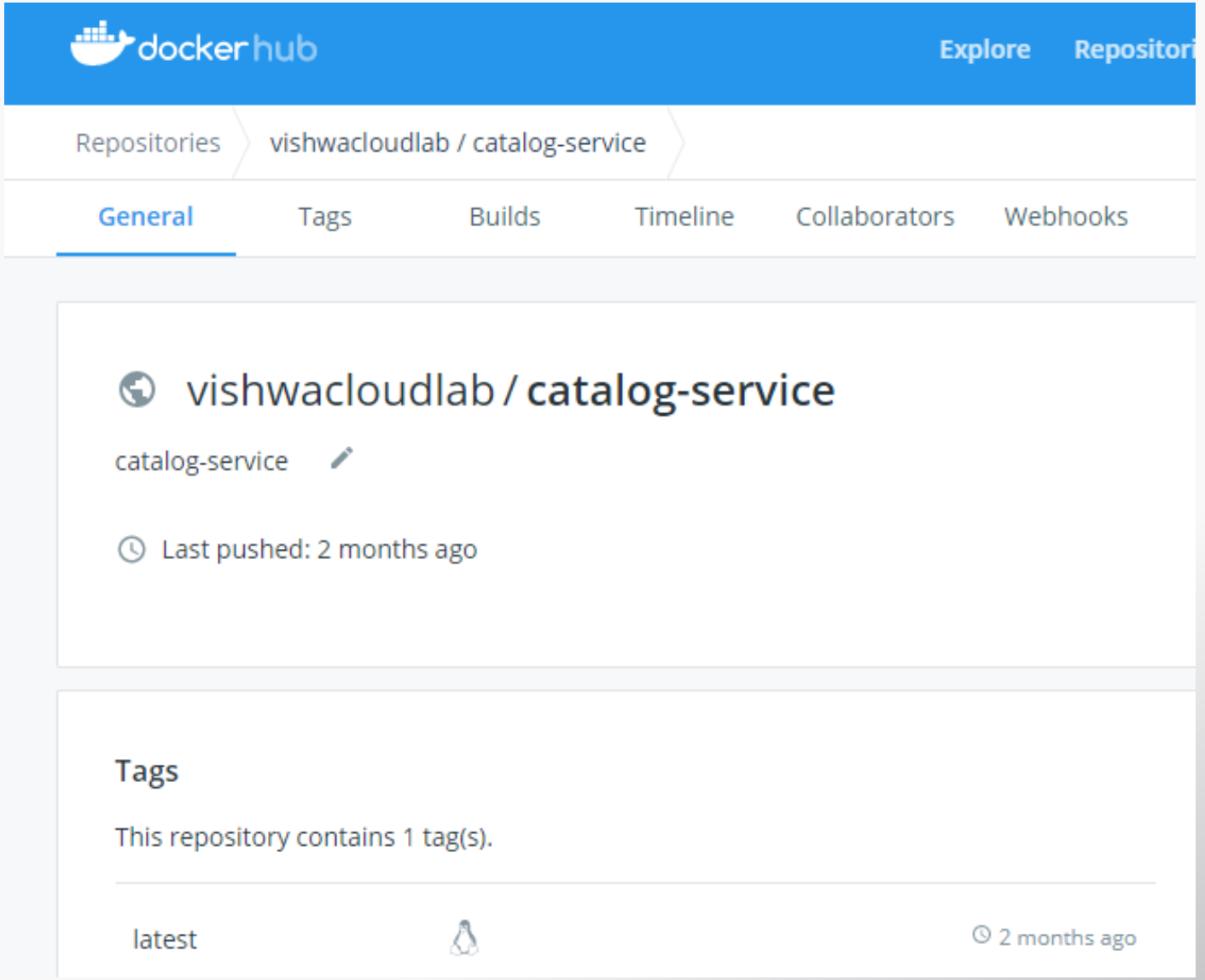
Docker Compose vs Kubernetes

Docker Compose	Kubernetes
Each entry can optionally get docker-compose to build an image	Kubernetes expects all images to already be built
Each Entry represents a *container* we want to create	One config file per *object* we want to create
Each entry defines the networking requirements (ports)	We have to manually set up all networking and in detail.

Preparing the Kube Env

- Make sure the images are hosted on Docker hub.
- Make one config file to create the container
- Make one config file to set up networking settings

Image is already uploaded in the docker hub



Details on apiVersion

- apiVersion: v1
  - This allows us to access below objects
  - Componentstatus
  - configMap
  - End Points
  - Event
  - Pod
  - Service
  - Namespace ….. Much more
- apiVersion: apps/v1
  - ControllerRevision
  - StatfullSet

Different apiVersion gives us different objects to be used