

Using Minikube

1. Minikube config file

```
apiVersion: v1
clusters:
- cluster:
    certificate-authority: C:\Users\dsantoshkumar\.minikube\ca.crt
    extensions:
    - extension:
        last-update: Wed, 06 Nov 2024 18:24:38 IST
        provider: minikube.sigs.k8s.io
        version: v1.34.0
        name: cluster_info
        server: https://127.0.0.1:52556
    name: minikube
contexts:
- context:
    cluster: ""
    namespace: cnrm-system
    user: ""
    name: cnrm-system-context
- context:
    cluster: ""
    namespace: configconnector-operator-system
    user: ""
    name: configconnector-operator-system-context
- context:
    cluster: minikube
    extensions:
    - extension:
        last-update: Wed, 06 Nov 2024 18:24:38 IST
        provider: minikube.sigs.k8s.io
        version: v1.34.0
        name: context_info
        namespace: default
        user: minikube
    name: minikube
```

```
- context:
  cluster: ""
  namespace: resourcesdemo
  user: ""
  name: resourcesdemo-context
current-context: minikube
kind: Config
preferences: {}
users:
- name: minikube
  user:
    client-certificate:
C:\Users\dsantoshkumar\.minikube\profiles\minikube\client.crt
    client-key:
C:\Users\dsantoshkumar\.minikube\profiles\minikube\client.key
```

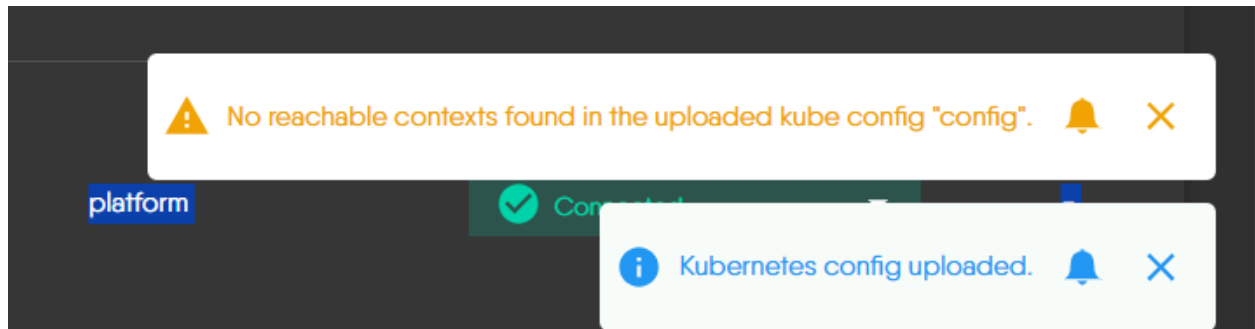
2. Meshery config file

```
contexts:
  local:
    endpoint: http://localhost:9081
    token: default
    platform: kubernetes
    channel: stable
    version: latest
    provider: Meshery
current-context: local
tokens:
- location: auth.json
  name: default
```

Documentation

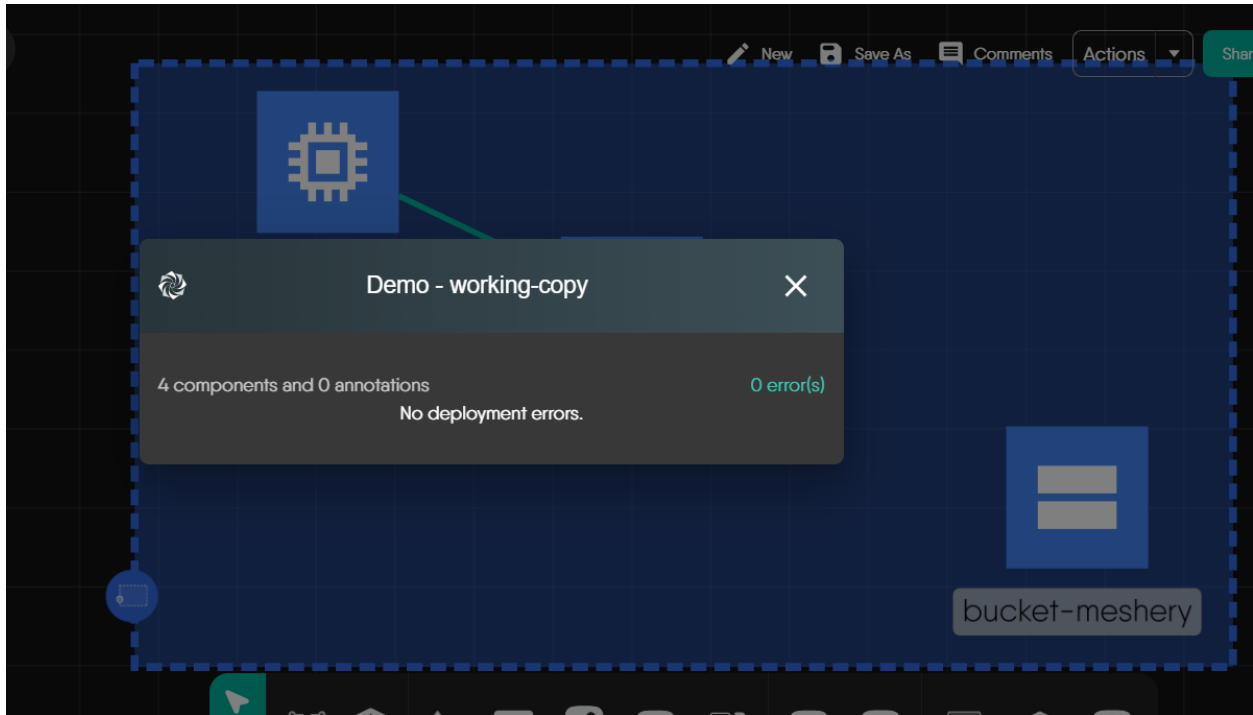
<https://cloud.google.com/config-connector/docs/how-to/install-other-kubernetes>

Add context for meshery (to upload config file) but nothing is added.

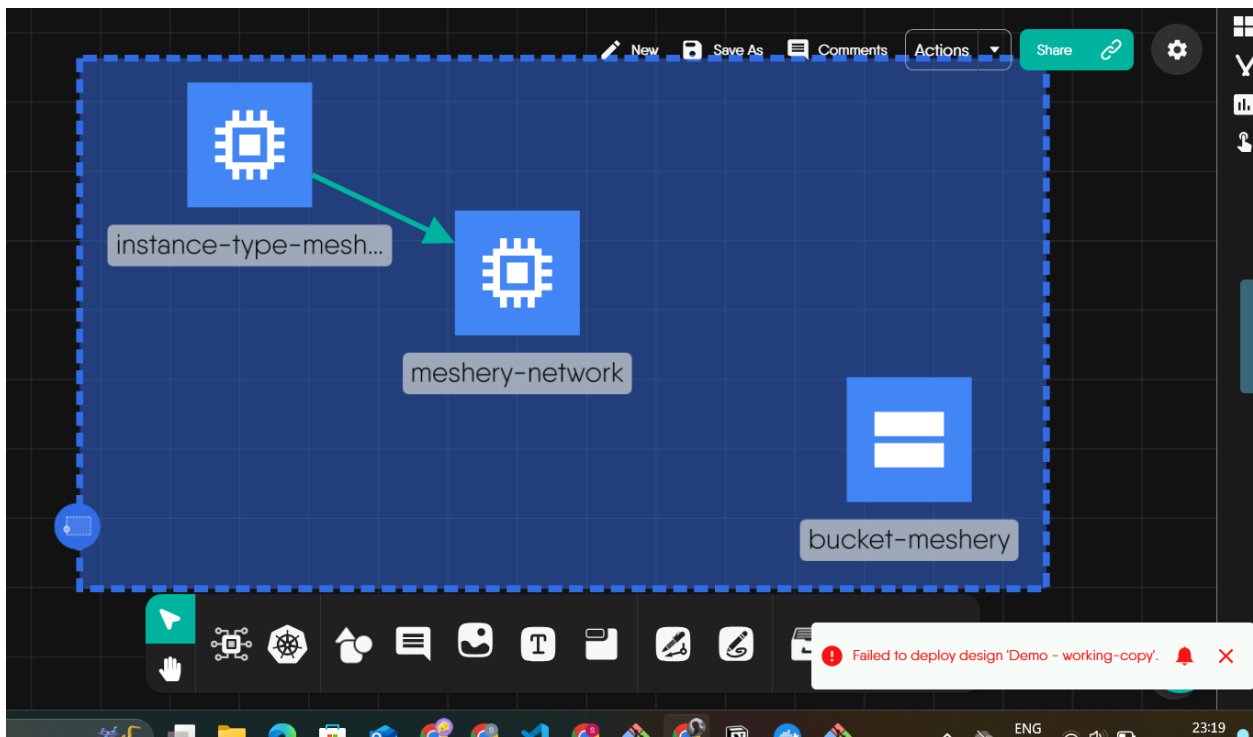


Resourcedemo is the namespace where the resource is created and annotated as per the documentation notes for install k8 on others(gcp notes)

Result



But



Error in detail

Failed To Deploy Design 'Demo - Working-Copy'.

MESHERY-SERVER-1073 

Failed to deploy design 'Demo - working-copy'.

Details

unknown kind github unknown kind github unknown kind github
unknown kind github

Probable Cause

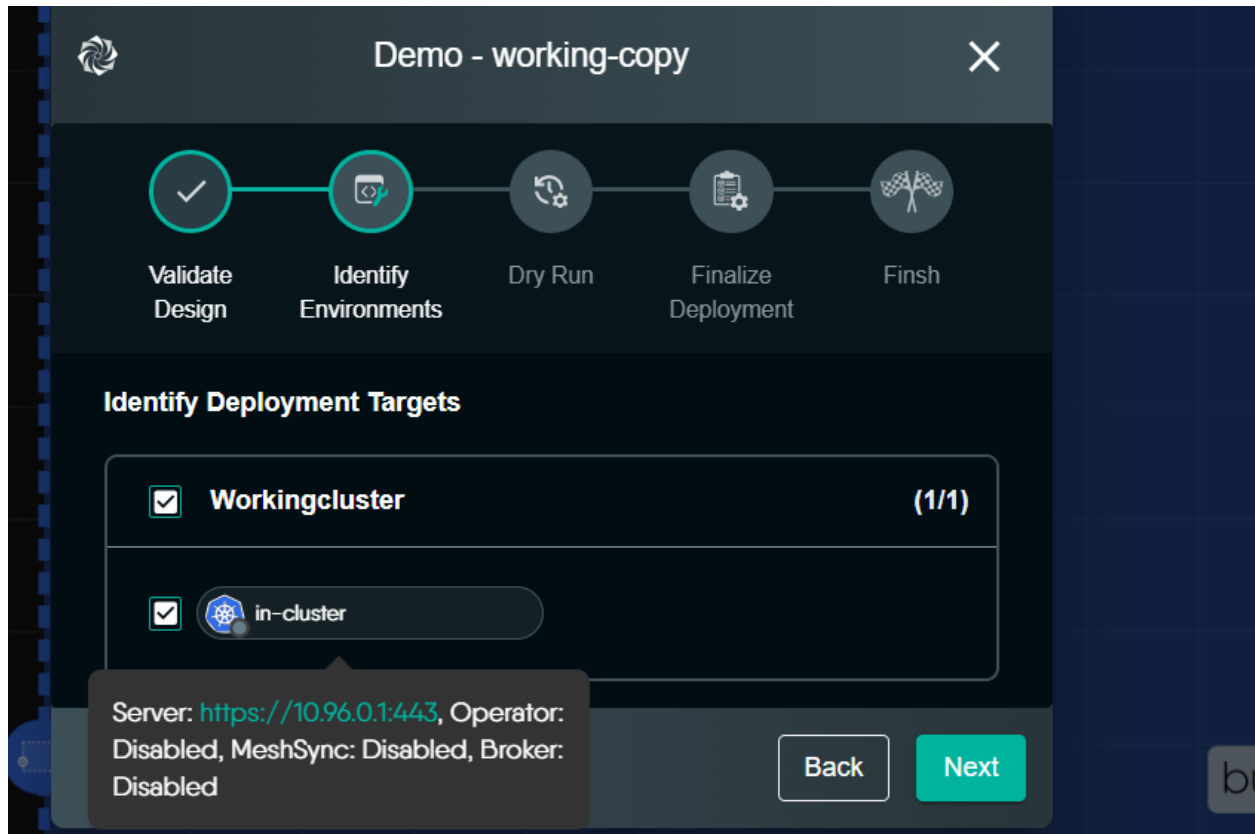
Connection Error: There was an error connecting to the selected target platform (i.e. Kubernetes cluster(s)).

This connection might not be assigned to the selected environment.

Suggested Remediation

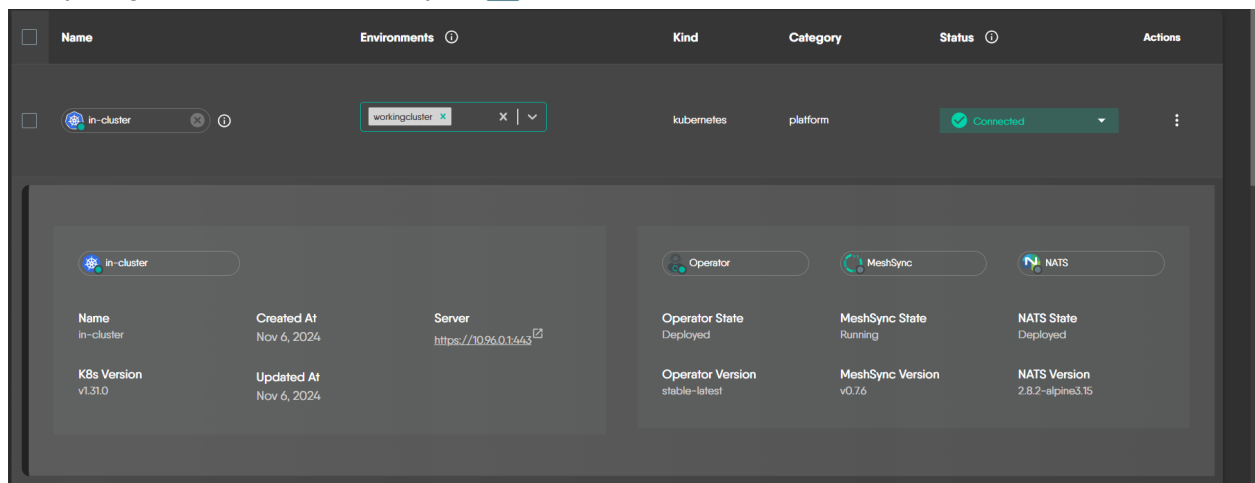
Verify that the Kubernetes connection status is 'Connected' or try uploading a new kubeconfig.

Assign the current Kubernetes connection to the selected environment.



Although it says disabled

Everything is enabled in the lifecycle



Using GKE

Connect to cluster

Issue: <https://github.com/meshery/meshery/issues/12565> still persists

```
➔ ~ gcloud container clusters get-credentials meshery-gke-cluster-1
--region us-centrall --project gke-meshery-proj
```

Fetching cluster endpoint and auth data.

kubeconfig entry generated for meshery-gke-cluster-1.

```
➔ ~ kubectl get namespaces
```

NAME	STATUS	AGE
default	Active	15h
gke-gmp-system	Active	15h
gke-managed-cim	Active	15h
gke-managed-filestorecsi	Active	15h
gke-managed-system	Active	15h
gmp-public	Active	15h
kube-node-lease	Active	15h
kube-public	Active	15h
kube-system	Active	15h
meshery	Active	13h

```
➔ ~ mesheryctl system config gke
```

Configuring Meshery to access GKE...

-e

Creating a service account in default namespace: sa-meshery-dzezcav

serviceaccount/sa-meshery-dzezcavv created

clusterrolebinding.rbac.authorization.k8s.io/sa-meshery-dzezcavv

created

-e

Getting secret of service account sa-meshery-dzezcavv on default

jq: error (at <stdin>:11): Cannot iterate over null (null)

Error generating config:exit status 5

```
➔ ~ mesheryctl system config
```