⚠️ **This document has been deprecated. The recommended Kubecost install instructions are available at https://kubecost.com/install.**

This document shows you how to install the kubecost app with Helm. Please reach out with any issues or questions via email (team@kubecost.com) or Slack (invite). We look forward to your feedback on our initial product!

Prerequisites

1. Make sure you have the Helm client installed (instructions)
2. For clusters with RBAC enabled (GKE default), run the following commands to grant necessary permissions:
   - kubectl create clusterrolebinding cluster-self-admin-binding --clusterrole=cluster-admin --serviceaccount=kube-system:default
   - kubectl create clusterrolebinding cluster-admin-binding --clusterrole=cluster-admin --user=<your-userid>
3. Helm Tiller initialized on your Kubernetes cluster (instructions)

Step 1: Install the kubecost helm chart

Note: running the following commands will install Prometheus, Grafana, and kube-state-metrics in the *monitoring* namespace. See instructions below to skip this and use an existing installation of these tools.

```
helm repo add kubecost https://kubecost.github.io/cost-analyzer/
helm install kubecost/cost-analyzer --namespace monitoring --name cost-analyzer
```

Should you already have Prometheus, Grafana and kube-state-metrics installed and configured, you can skip reinstalling them by copying this yaml file, updating the *fqdn* variable to match your local configuration and setting the enabled flags to *false*. You can then supply this updated file in the -f parameter:

```
helm install kubecost/cost-analyzer --namespace monitoring --name
cost-analyzer -f values.yaml
```

If you are using your own Grafana, you will want to import the kubecost Grafana dashboards available here.

Step 2: Start port forwarding

```
kubectl port-forward --namespace monitoring deployment/cost-analyzer 9090 &
```

Note that if you're using your own Grafana, you can configure kubecost Settings to point to your existing service endpoint. You can also configure Settings to a secure endpoint in your VPC to remove the need to port forward.

Step 4: View data from your cluster!

You can view the self-managed frontend by visiting the following link. Note that the version running on your cluster requires you to update the container to get the latest features.

http://localhost:9090

If you are able to secure endpoints on your cluster, publish :9090 as an endpoint to remove the need to port forward.

Updating kubecost with Helm

Once your kubcost Chart is installed, chart updates should be done using helm upgrade:

```
helm repo update
helm upgrade cost-analyzer kubecost/cost-analyzer
```

Uninstalling kubecost with Helm

To uninstall the kubecost Chart, run the following:

```
helm del --purge cost-analyzer
```