

This page shows you how to create a Google Kubernetes Engine cluster enabled for Cloud Run for Anthos deployed on VMware and deploy a prebuilt sample container to the cluster.

1. This quickstart assumes you have an active GKE On-Prem cluster with Cloud Run enabled. To create one, see [Creating a GKE On-Prem cluster with Cloud Run enabled](/run/docs/on-vmware/setup#create_cluster) (/run/docs/on-vmware/setup#create\_cluster).

For more information on Anthos, see [Pricing](/contact/?form=anthos) (/contact/?form=anthos) for Anthos.

2. [Sign in](https://accounts.google.com/Login) (https://accounts.google.com/Login) to your Google Account.

If you don't already have one, [sign up for a new account](https://accounts.google.com/SignUp) (https://accounts.google.com/SignUp).

3. In the Cloud Console, on the project selector page, select or create a Cloud project.

★ **Note:** If you don't plan to keep the resources that you create in this procedure, create a project instead of selecting an existing project. After you finish these steps, you can delete the project, removing all resources associated with the project.

[Go to the project selector page](https://console.cloud.google.com/projectselector2/home/dashboard) (https://console.cloud.google.com/projectselector2/home/dashboard)

4. Make sure that billing is enabled for your Google Cloud project. [Learn how to confirm billing is enabled for your project](/billing/docs/how-to/modify-project) (/billing/docs/how-to/modify-project).
5. To send a request to the deployed sample service, [install cURL](https://curl.haxx.se/) (https://curl.haxx.se/).
6. Set up the `gcloud` command line and the `kubect1` command line tool, described next.

To set up the `gcloud` command line for Cloud Run for Anthos deployed on VMware:

1. If you haven't already, install and initialize the Cloud SDK (/sdk/docs/).
2. Set the platform to `kubernetes` and set your default project setting for `gcloud` to the one you just created:

Replace ***PROJECT\_ID*** with your project ID.

3. Update installed `gcloud` components:

4. Install the `gcloud` components:

If you are already using GKE On-Prem, `kubectl` may already be installed.

If `kubectl` is not installed, you can install it using the command:

To deploy a container to the cluster you just created:

1. Run the command:

- Replace **SERVICE** with the name of the service you are deploying to. You can omit this parameter entirely, but you will be prompted for the service name if you omit it.
  - Replace **PROJECT-ID** with the Google Cloud project ID.
  - Replace **IMAGE** with the name of your image, for example, `gcr.io/cloudrun/hello`.
2. Wait for the deployment to finish. Upon successful completion, a success message is displayed with the URL of the deployed service.

After deploying your service, you can use cURL to send a request and verify the service is working, using the external IP address of the Load Balancer service created for the Istio ingress controller:

1. Get and note the IP address using the `kubectl` command line:
  
  
  
  
  
  
  
  
  
  
2. Get and note the host name using the `kubectl` command line:

Replace **SERVICE** with the name of the service.

3. Invoke cURL with the `HOST_URL` and `IP_ADDRESS` of your service:

Replace:

- **HOST\_URL** with the host name you obtained in previous steps.

- ***IP\_ADDRESS*** with the IP address you obtained in previous steps.

Delete your Cloud Run service by executing:

Replace ***SERVICE*** with the name of the service.

To learn how to build a container from code source, push to Container Registry, and deploy, refer to:

- [Building containers](/run/docs/building/containers) (/run/docs/building/containers)
- [Troubleshooting](/run/docs/gke/troubleshooting) (/run/docs/gke/troubleshooting)