

[Serverless Computing](https://cloud.google.com/products/serverless/) (https://cloud.google.com/products/serverless/)

[Cloud Run: Serverless Computing](https://cloud.google.com/run/) (https://cloud.google.com/run/)

[Documentation](https://cloud.google.com/run/docs/) (https://cloud.google.com/run/docs/) [Guides](#)

Choosing a Cloud Run platform

This page provides details to help you choose your Cloud Run platform. Cloud Run gives you the flexibility to run services on a fully managed environment or on Anthos. If you're already using [Anthos](https://cloud.google.com/anthos/) (https://cloud.google.com/anthos/), Cloud Run can easily deploy into your Anthos GKE cluster. Plus, you can easily switch from Cloud Run (fully managed) to Cloud Run for Anthos or vice versa; all without changing your application code.

Cloud Run (fully managed)

The Cloud Run (fully managed) platform allows you to deploy stateless containers without having to worry about the underlying infrastructure. Your workloads are automatically scaled up or down to zero depending on the traffic to your app. You only pay when your app is running, billed to the nearest 100 milliseconds.

Cloud Run for Anthos

Cloud Run for Anthos abstracts away complex Kubernetes concepts, allowing developers to easily leverage the benefits of Kubernetes and serverless together. It provides access to custom machine types, additional networking support, and Cloud Accelerators. It allows you to run your workloads on-premises or on Google Cloud.

Comparison table

The follow table shows some key differences between the platforms:

	Cloud Run (fully managed)	Cloud Run for Anthos
Pricing	Pay-per-use (https://cloud.google.com/run/pricing#cloudrun-pricing)	Included as part of Anthos (https://cloud.google.com/anthos/).

Machine types	One vCPU per instance with ability to change memory.	Standard or custom machine types on Anthos, including GPUs.
Autoscaling	Up to 1,000 container instances by default, which can be increased.	Limited by the capacity of your Anthos GKE cluster.
Identity and policy	Manage the identities that are allowed to invoke each service (or allow unauthenticated invocations).	Publish services to the internet or make them available to cluster or VPC network only.
Networking	No access to VPC / Compute Engine network. Services are not part of the Istio service mesh.	Access to VPC / Compute Engine network. Services participate in the Istio service mesh.
URLs	Automatic service URLs and SSL certificates.	Custom domains only with manual SSL certificates.
Container isolation	Strict container isolation based on gVisor (//gVisor.dev) sandbox.	Default Kubernetes container isolation.
Execution environments	Fully managed on Google infrastructure.	Anthos on Google Cloud Anthos deployed on VMware (on-premises).

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