Build a Website on Google Cloud

Fundamental 8 Steps 6 hours 29 Credits

In this quest you will learn about the 4 Google Cloud website architectures available to ensure that your website is available and scalable. Complete this quest, including the the challenge lab at the end, to receive an exclusive Google Cloud digital badge. The challenge lab does not provide prescriptive steps, but require solutions to be built with minimal guidance and will put your Google Cloud technology skills to the test! This quest is based on the video series Get Cooking in Cloud.

Quest Outline

Hosting a Static Web App on Google Cloud using Cloud Storage

5 minutes

Deploy Your Website on Cloud Run

In this lab you will deploy a website to Google Kubernetes Engine, scale it out to more instances, then deploy a new version using rolling updates.

45 minutes	Fundamental	5 Credits

Hosting a Web App on Google Cloud using Compute Engine (video)

6 minutes

Hosting a Web App on Google Cloud Using Compute Engine

In this lab you'll deploy and scale a Web App on Google Compute Engine.

45 minutes	Fundamental	5 Credits

Deploy, Scale, and Update Your Website on Google Kubernetes Engine

In this lab you will learn how to deploy a website to Google Kubernetes Engine, scale it out to more instances, and deploy a new version using Rolling Updates.

45 minutes	Fundamental	5 Credits

Migrating a Monolithic Website to Microservices on Google Kubernetes Engine

In this lab you will deploy a monolithic application to a Google Kubernetes Engine cluster, then break it down into microservices.

1 hour 30 minutes	Advanced	7 Credits

Case Study: Hosting Scalable web apps on Google Cloud

9 minutes

Build a Website on Google Cloud: Challenge Lab

This challenge lab tests your skills and knowledge from the labs in the Building Websites on Google Cloud Quest. You should be familiar with the content of these labs before attempting this lab.'

1 hour 30 minutes	Advanced	7 Credits

Quest Complete!

Congrats! You completed this quest and earned a badge. Become a cloud expert and start another.