

Original page: <https://cloudskillsboost.google/paths/19> (<https://cloudskillsboost.google/paths/19>)

Google Cloud

Google Cloud

(/)

Share on [LinkedIn](#) [Feed](#) [Twitter](#) [Facebook](#)

Apply your skills in Google Cloud console



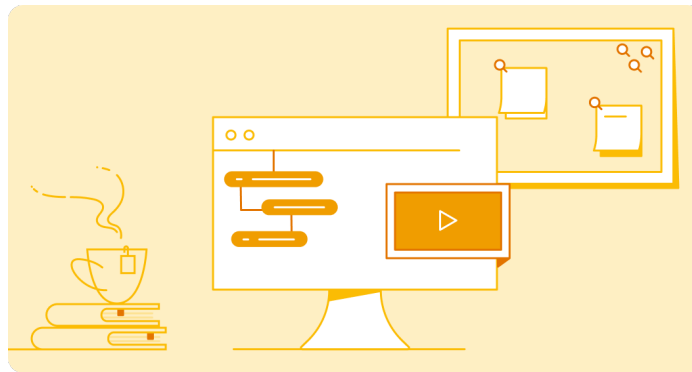
Cloud Developer Learning Path

A Cloud Developer designs, builds, analyzes, and maintains cloud-native applications.

school 13 activities update Last updated 10 months person Managed by Google Cloud

A Cloud Developer designs, builds, analyzes, and maintains cloud-native applications. This learning path guides you through a curated collection of on-demand courses, labs, and skill badges that provide you with real-world, hands-on experience using Google Cloud technologies essential to the Cloud Developer role. Once you complete the path, check out the Google Cloud Developer certification to take the next steps on your professional journey.

[Start learning path](#)



(/focuses/2794?parent=catalog&path=19)

01 A Tour of Google Cloud Hands-on Labs

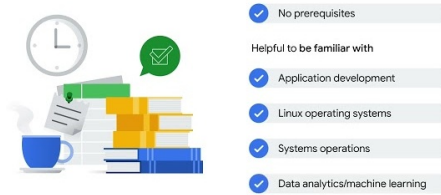
book Lab

access_time 45 minutes

show_chart Introductory

In this first hands-on lab you will access the Google Cloud console and use these basic Google Cloud features: Projects, Resources, IAM Users, Roles, Permissions, and APIs.

Start lab



(/paths/19/course_templates/60)

02 Google Cloud Fundamentals: Core Infrastructure

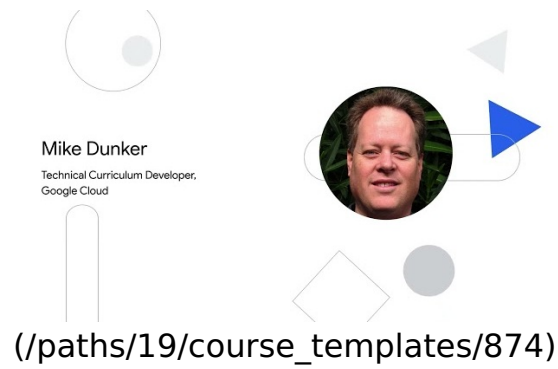
book Course

access_time 5 hours

show_chart Introductory

Google Cloud Fundamentals: Core Infrastructure introduces important concepts and terminology for working with Google Cloud. Through videos and hands-on labs, this course presents and compares many of Google Cloud's computing and storage services, along with important resource and policy management...

Start course



03 Developing Applications with Google Cloud: Foundations

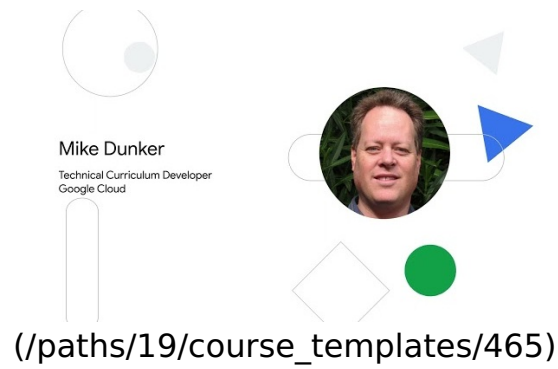
book Course

access_time 6 hours 45
minutes

show_chart Introductory

In this course, you learn the fundamentals of application development on Google Cloud. You learn best practices for cloud applications, and how to select compute and data options to match your application use cases. You're introduced to generative AI and...

Start course



04 Service Orchestration and Choreography on Google Cloud

book Course

access_time 8 hours

show_chart Introductory

This course introduces you to event-based applications and teaches you how to use service orchestration and choreography to coordinate microservices. Using lectures and hands-on labs, you learn how to use Workflows, Eventarc, Cloud Tasks, and Cloud Scheduler to build microservices...

Start course



05 Developing Applications with Cloud Run Functions on Google Cloud

book Course

access_time 7 hours 15
minutes

show_chart Intermediate

In this course, you learn about Cloud Run functions, Google's serverless, fully-managed functions as a service (FaaS) product that lets you implement single-purpose function code that responds to HTTP requests and events from your cloud infrastructure.

Start course



(/paths/19/course_templates/1166)

06 Streamline App Development with Gemini Code Assist

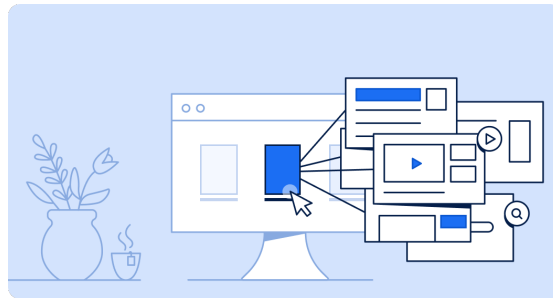
book Course

access_time 2 hours

show_chart Introductory

Designed for developers of all levels, this course introduces you to the core features and functionalities of Gemini Code Assist, an AI-powered app development collaborator for Google Cloud. From intelligent code suggestions and auto-completion to real-time error detection and refactoring...

Start course



(/paths/19/course_templates/530)

07 Developing Containerized Applications on Google Cloud

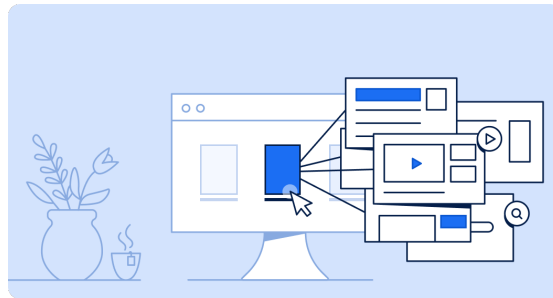
book Course

access_time 5 hours

show_chart Introductory

In this course, you learn about containers and how to build, and package container images. The content in this course includes best practices for creating and securing containers, and provides an introduction to Cloud Run and Google Kubernetes Engine for...

Start course



(/paths/19/course_templates/559)

08 Developing Applications with Cloud Run on Google Cloud: Fundamentals

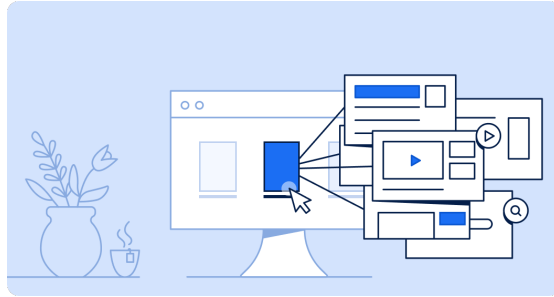
book Course

access_time 8 hours

show_chart Introductory

This course introduces the Cloud Run serverless platform for running applications. In this course, you learn about the fundamentals of Cloud Run, its resource model and the container lifecycle. You learn about service identities, how to control access to services,...

Start course



(/paths/19/course_templates/980)

09 Integrating Applications with Gemini 1.0 Pro on Google Cloud

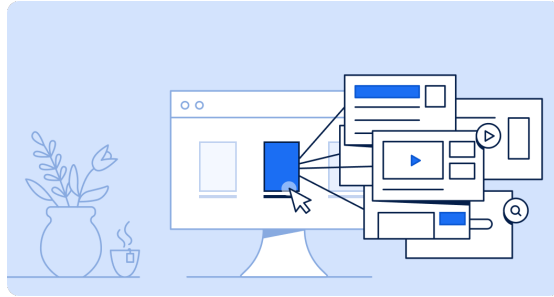
book Course

access_time 1 hour 45
minutes

show_chart Introductory

This short course on integrating applications with Gemini 1.0 Pro models on Google Cloud helps you discover the Gemini API and its generative AI models. The course teaches you how to access the Gemini 1.0 Pro and Gemini 1.0 Pro...

Start course



(/paths/19/course_templates/649)

10 Develop Serverless Apps with Firebase

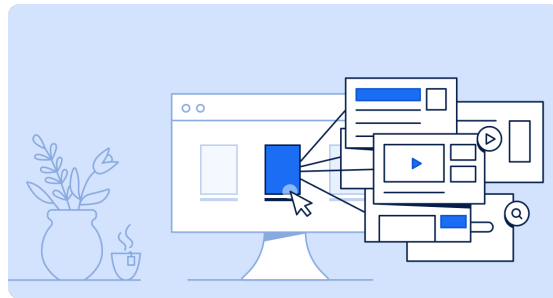
book Course

access_time 3 hours 45
minutes

show_chart Intermediate

Complete the intermediate Develop Serverless Apps with Firebase skill badge to demonstrate skills in the following: architecting and building serverless web applications with Firebase, utilizing Firestore for database management, automating deployment processes using Cloud Build, and integrating Google Assistant functionality...

Start course



(/paths/19/course_templates/663)

11 Deploy Kubernetes Applications on Google Cloud

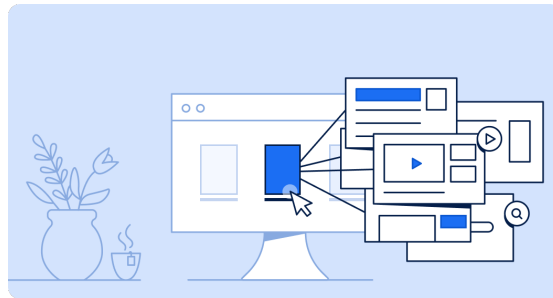
book Course

access_time 4 hours 30
minutes

show_chart Intermediate

Complete the intermediate Deploy Kubernetes Applications on Google Cloud skill badge to demonstrate skills in the following: configuring and building Docker container images, creating and managing Google Kubernetes Engine (GKE) clusters, utilizing kubectl for efficient cluster management, and deploying Kubernetes...

Start course



(/paths/19/course_templates/741)

12 Develop Serverless Applications on Cloud Run

book Course

access_time 5 hours 15
minutes

show_chart Intermediate

Complete the intermediate Develop Serverless Applications on Cloud Run skill badge to demonstrate skills in the following: integrating Cloud Run with Cloud Storage for data management, architecting resilient asynchronous systems using Cloud Run and Pub/Sub, constructing REST API gateways powered...

Start course