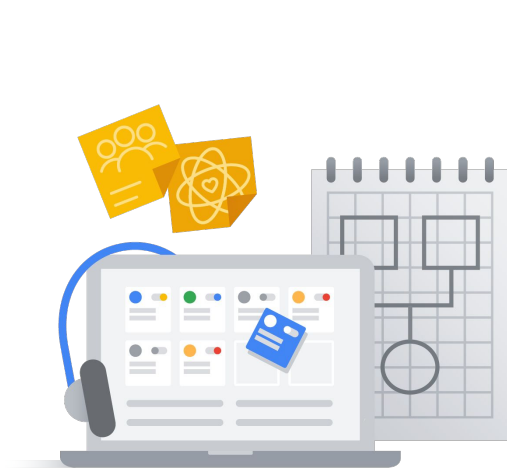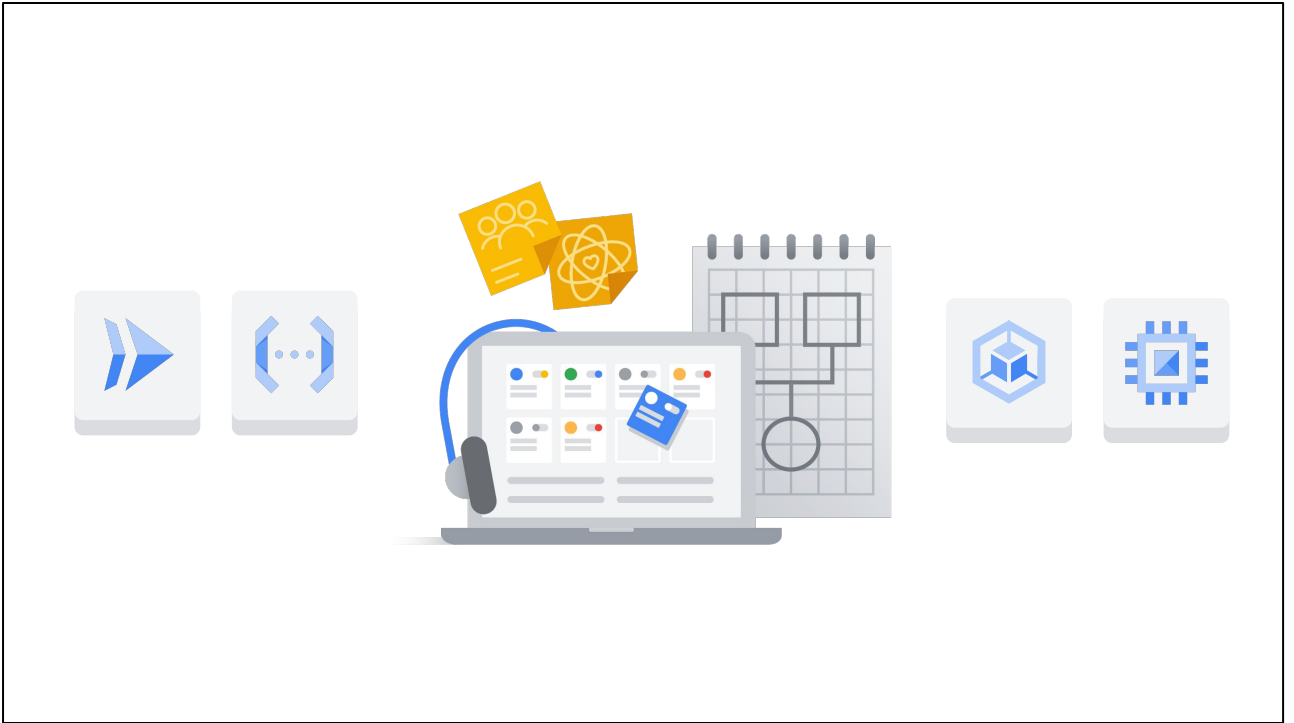# Google Cloud

Developing Applications
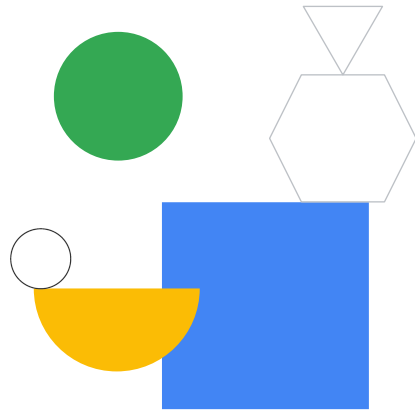# with Google Cloud: Foundations

Running your applications in the cloud can provide many benefits, including scalability, high availability, global access, and decreased operational costs. Cloud application development can also involve a multitude of processes and tools.

Google Cloud provides many services and products that can help you streamline the application development process and run your applications efficiently and securely.

Google Cloud

Developing Applications with Google Cloud: Foundations

In the **Developing Applications with Google Cloud: Foundations** course, learn the fundamentals of application development on Google Cloud.

- Best practices for cloud applications
- How to select compute and data options to match application use cases
- Google services for continuous integration and delivery
- How to deploy and monitor your applications as they run in Google Cloud
- How Google Cloud helps you build into your applications:
  - Authentication
  - Authorization
  - Security
  - Artificial intelligence

You learn best practices for cloud applications, and how to select compute and data options to match application use cases.

You learn about Google services for continuous integration and delivery, how to deploy your applications, and how to monitor your applications as they run in Google Cloud. You also learn how Google Cloud helps you build authentication, authorization, security, and artificial intelligence into your applications.

Mike Dunker
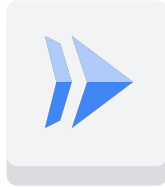
Technical Curriculum Developer,
Google Cloud

Hi, my name is Mike, and I'm a Technical Curriculum Developer here at Google Cloud. This course introduces you to the application development process and services provided by Google Cloud.
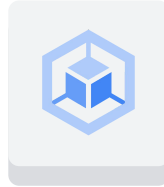
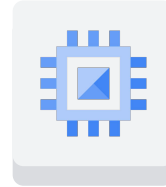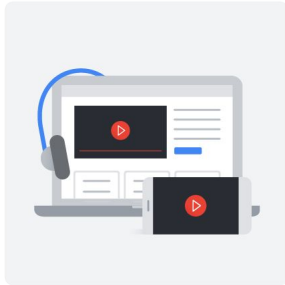| Application developers | Architects | Cloud engineers |

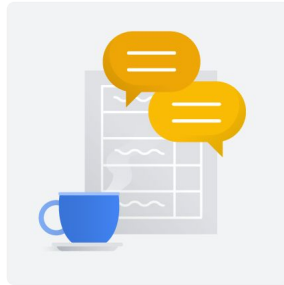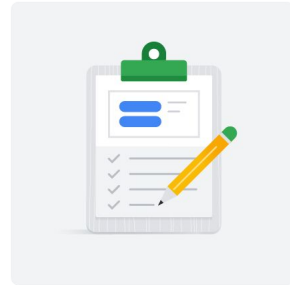Cloud Run Cloud Functions Google Kubernetes Engine Compute Engine

This content is for application developers, architects, and cloud engineers who want to build applications by using the many powerful platforms and services.
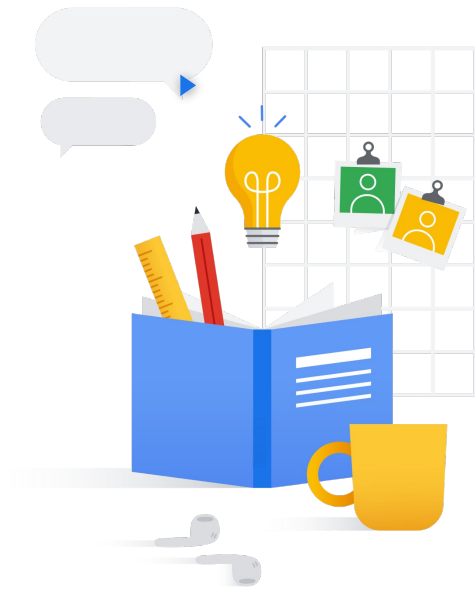
Videos   Quizzes   Hands-on labs

Through a series of video lectures, quizzes, and hands-on labs, you get an
introduction to the application development process provided by Google Cloud.
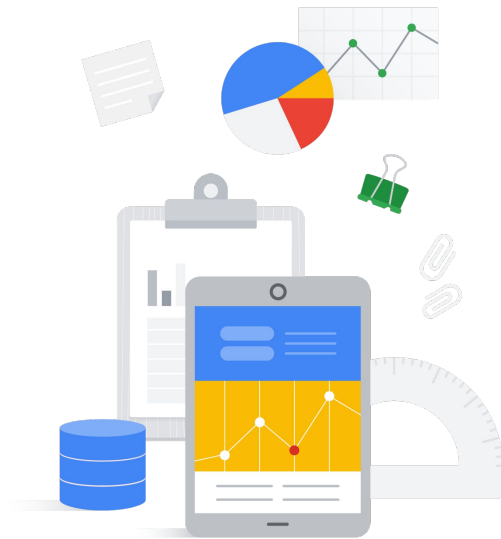
Learning objective #01

Discuss best practices for application development in the cloud.
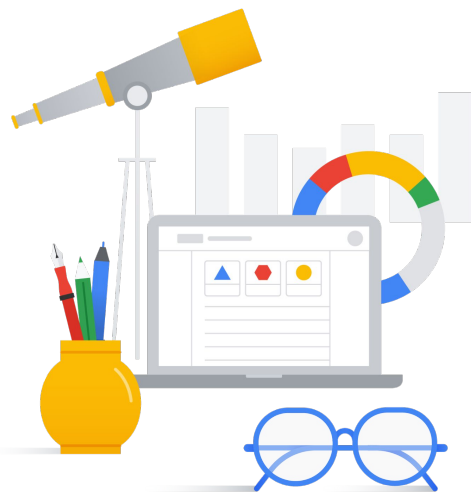
You learn best practices for application development in the cloud,

Learning objective #02

Understand how to choose the appropriate data storage option for application use cases.
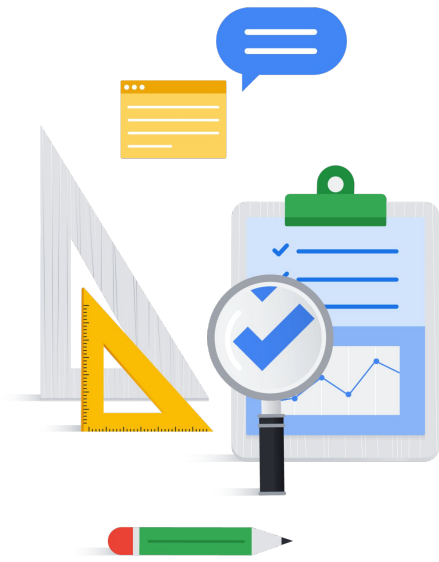
understand how to choose the appropriate data storage option for application use cases,

Learning objective #03

Use authentication and authorization to secure an application.

use authentication and authorization to secure an application,

Learning objective #04

Describe use cases for the different Google Cloud compute options used for running applications.

and describe use cases for the different Google Cloud compute options used for running applications.

Welcome, and let's get started!