

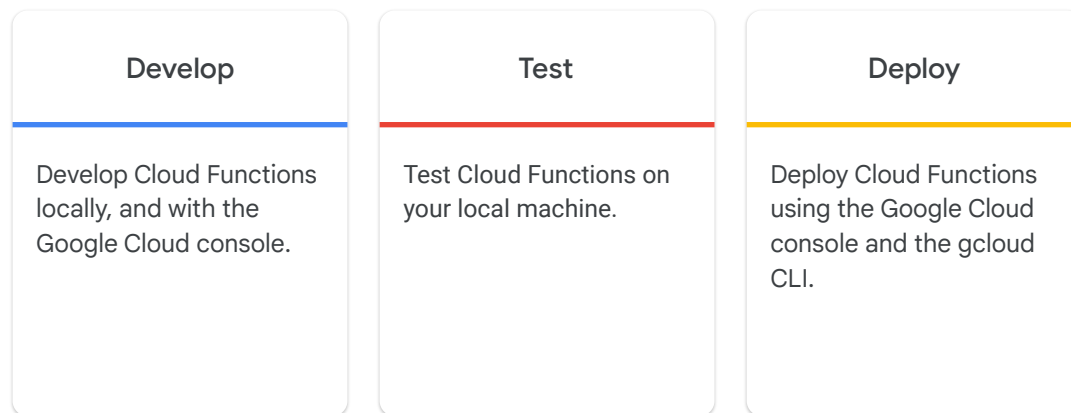
# Developing Applications with Cloud Functions on Google Cloud

Course Review

Congratulations on completing this course on Developing Applications with Cloud Functions on Google Cloud.

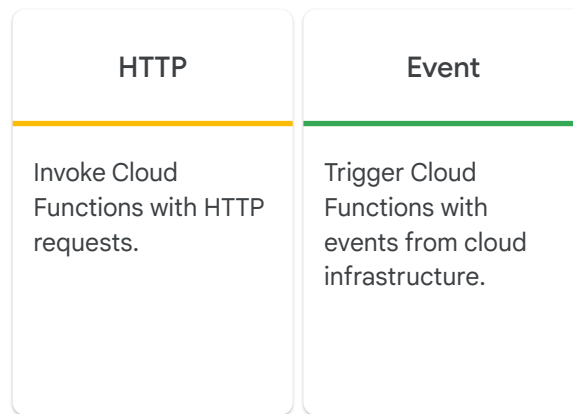
Let's review the topics that were discussed and the skills you gained in this course.

## Develop, test, and deploy



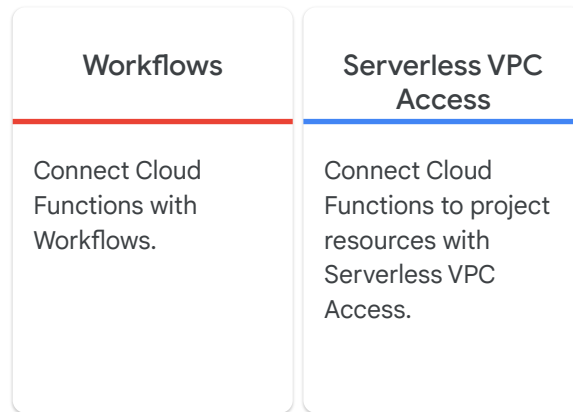
By completing this course, you can now develop and test functions locally, and deploy them to Cloud Functions using the Google Cloud console, or the gcloud CLI.

## Use triggers



You can use HTTP or event triggers to invoke and trigger your Cloud Functions based on your application requirements.

# Connect



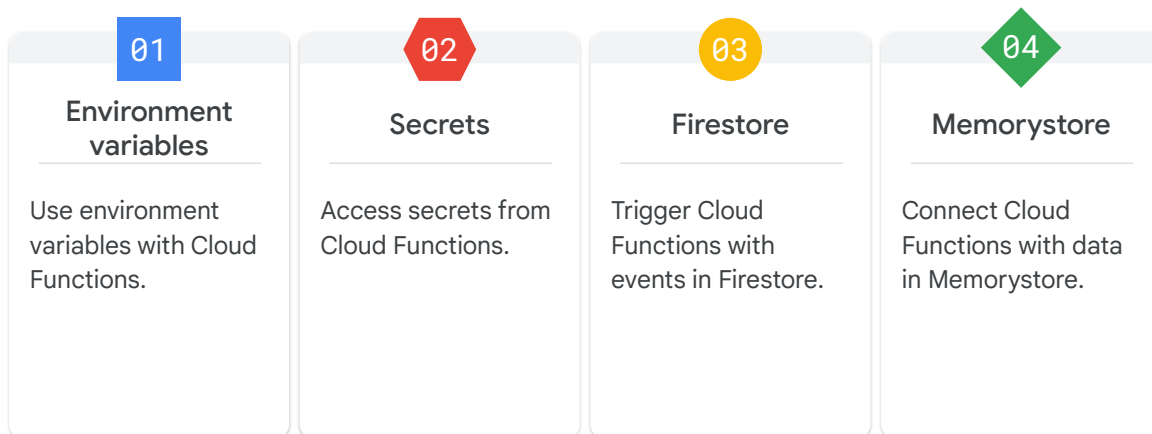
You have the knowledge and skills to connect Cloud Functions with workflows, and to project resources with Serverless VPC Access.

## Secure and Protect

- Secure access to Cloud Functions.
- Authentication and authorization with IAM.
- Protect Cloud Functions with CMEKs.

You learned how to secure access to Cloud Functions with authentication and authorization, and how to protect functions with customer-managed encryption keys.

## Integrate with data



You now have the skills to provide environment variable key-value pairs to Cloud Functions during deployment, and enable Cloud Functions to access sensitive values stored as secrets in Google Cloud.

You also learned how to use event-driven functions to integrate Firestore database events with Cloud Functions, and how to connect Cloud Functions to Memorystore, Google Cloud's in-memory cache service.

## Best practices

- Writing Cloud Functions
- Improving performance and networking
- Configuring and scaling Cloud Functions
- Traffic splitting



By completing this course, you have the knowledge to implement best practices when developing and configuring Cloud Functions for optimal performance.

## What's next in the Cloud Developer track?



### Cloud Developer Learning Path

A curated collection of on-demand courses, labs, and skill badges that provide you with hands-on experience with Google Cloud technologies essential to the Cloud Developer role.

1

Getting started with Application Development

2

**Application Development with Cloud Run**

3

Getting Started with Google Kubernetes Engine

4

Service Orchestration and Choreography on Google Cloud

Now that you've completed this course on developing applications with Cloud Functions, you might consider learning about other services such as Cloud Run, Google Kubernetes Engine, and about Service Orchestration and Choreography on Google Cloud.

Some of these courses are part of a set of courses and quests in the [Cloud Developer learning path](#) that you can subscribe to, and expand your knowledge and skills on Google Cloud.