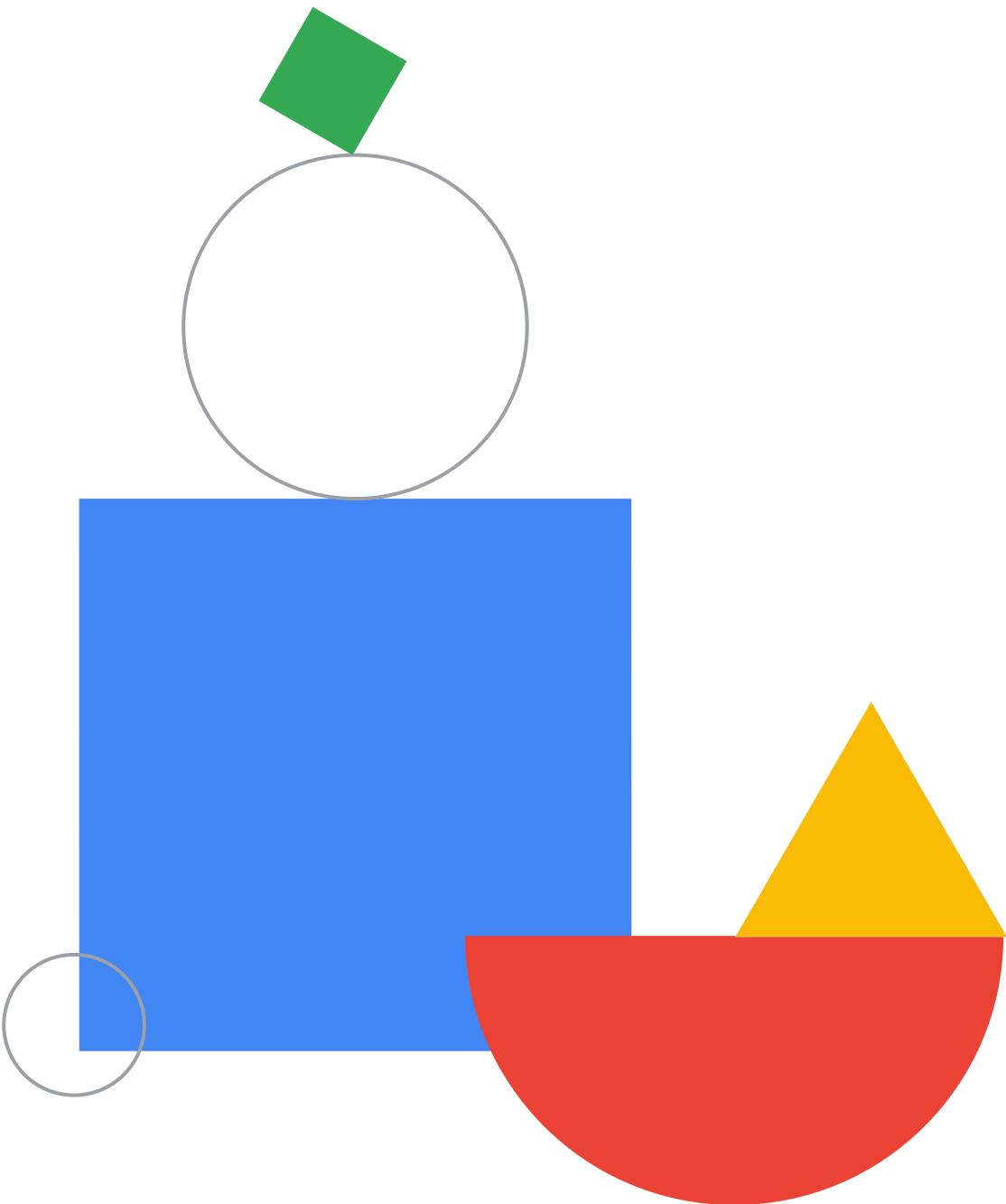


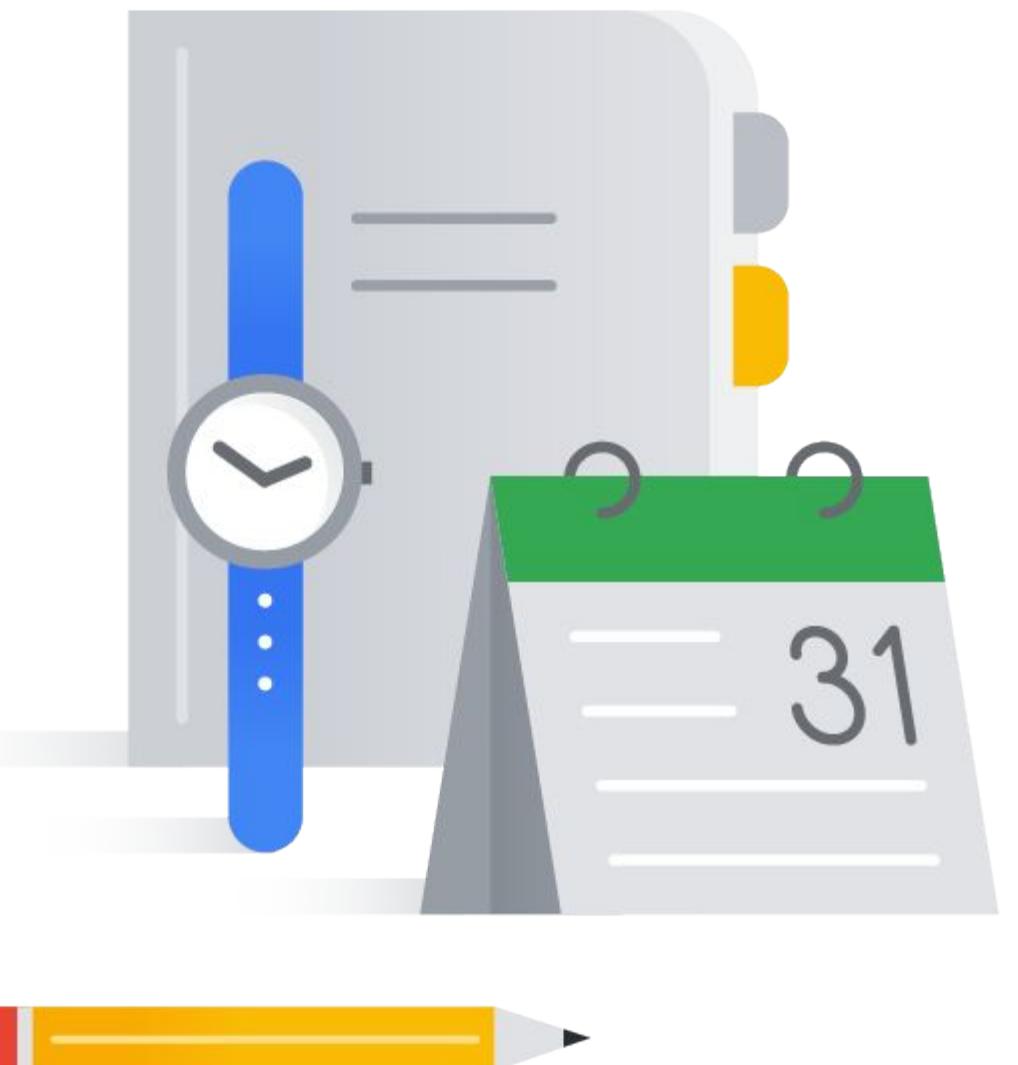
Preparing for Your Associate Cloud Engineer Journey

Introduction



Course agenda

- 0 Introduction
- 1 Setting Up a Cloud Solution Environment
- 2 Planning and Configuring a Cloud Solution
- 3 Deploying and Implementing a Cloud Solution
- 4 Ensuring Successful Operation of a Cloud Solution
- 5 Configuring Access and Security
- 6 Your Next Steps



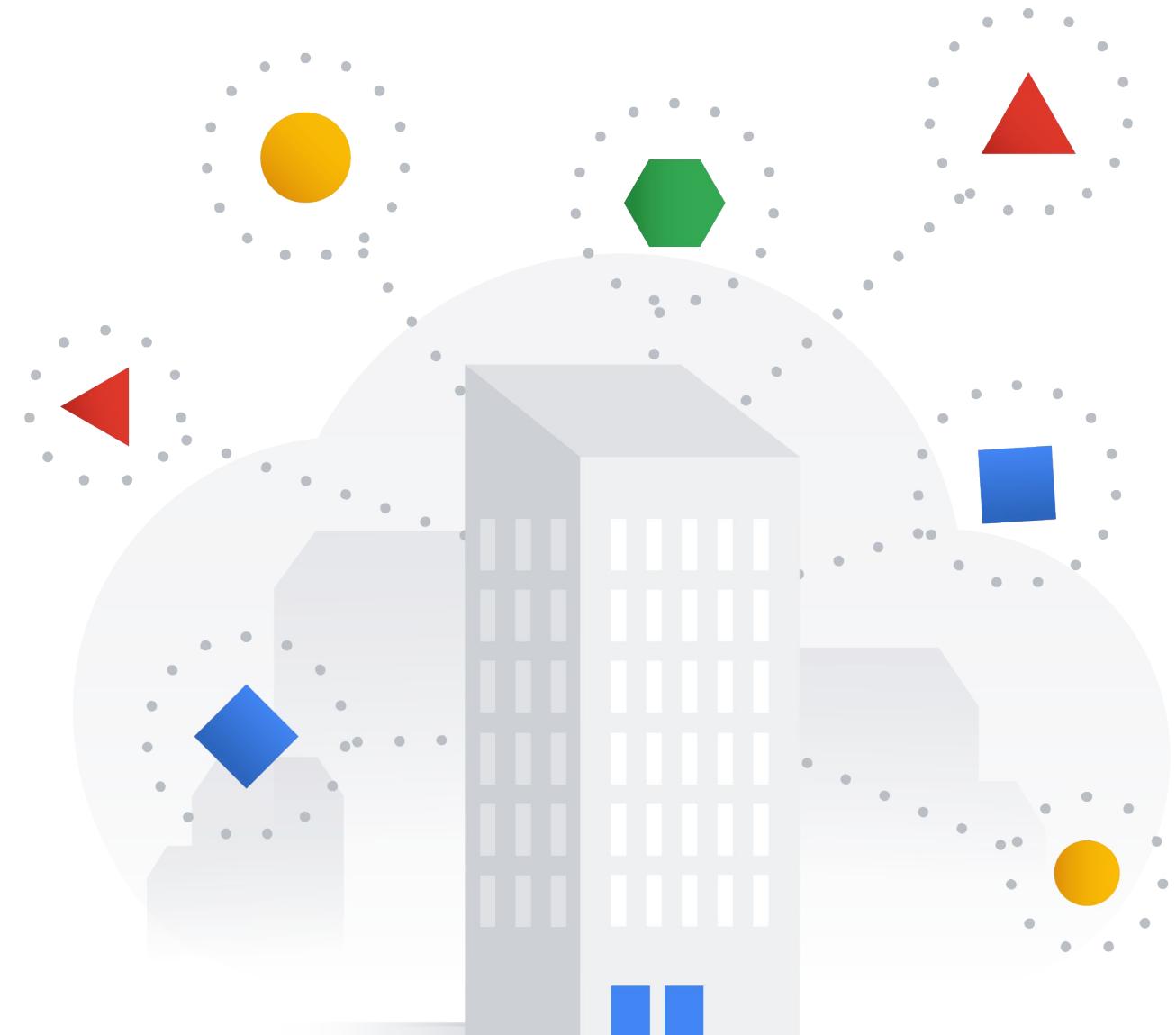


Module agenda

- 01** What is the role of an Associate Cloud Engineer?
- 02** Resources to support your certification journey
- 03** Creating your study plan

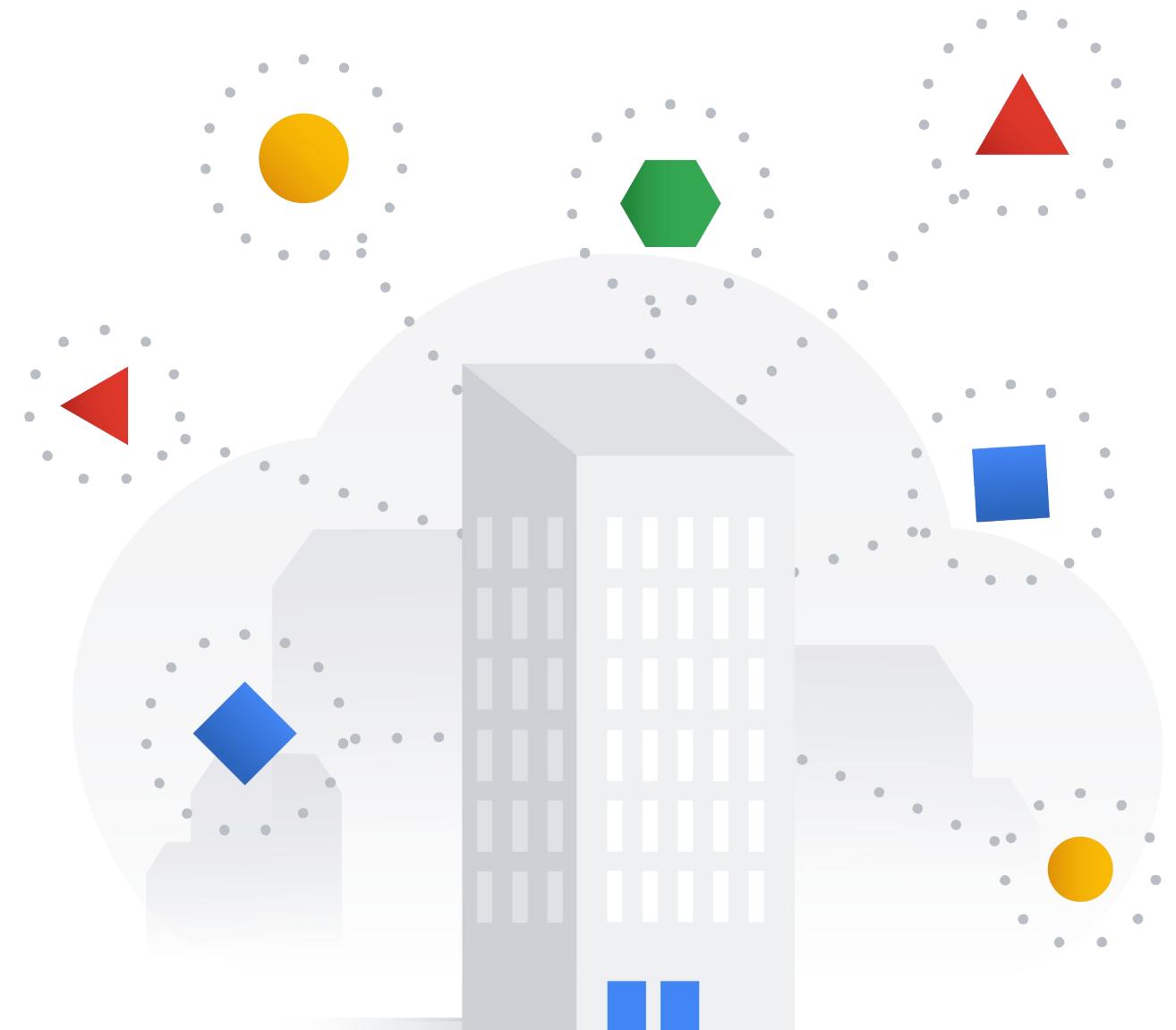


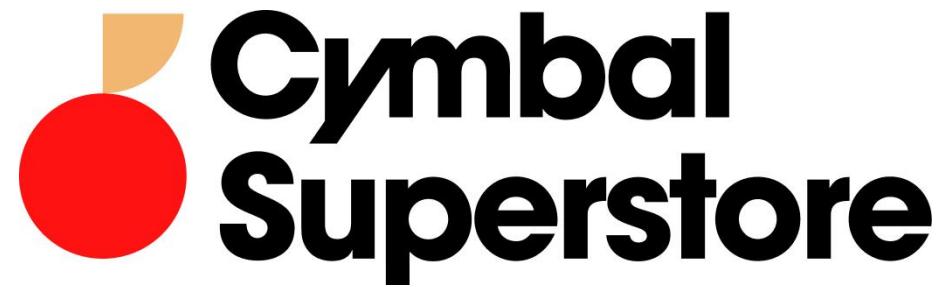
What is the role of an Associate Cloud Engineer?



What is the role of an Associate Cloud Engineer?

An Associate Cloud Engineer deploys and secures applications and infrastructure, monitors operations of multiple projects, and maintains enterprise solutions to ensure that they meet target performance metrics. This individual has experience working with public clouds and on-premises solutions. They are able to use Google Cloud Console and the command-line interface to perform common platform-based tasks to maintain and scale one or more deployed solutions that leverage Google-managed or self-managed services on Google Cloud.

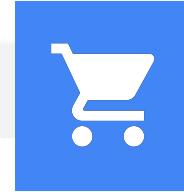




Digital Transforming

An established national retailer selling groceries, beauty and health products as well as clothing and accessories.

Migrating applications to Google Cloud



Ecommerce

Cymbal Superstore has an existing web application that provides an interface for customers to look at and order products



Transportation Management

Delivery services is becoming an important aspect of Cymbal Superstore's customer interactions. Cymbal Superstore would like to use Google Services to keep track of truck location



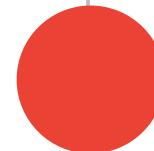
Supply Chain

Cymbal Superstore has decided to migrate their legacy supply chain application to the cloud

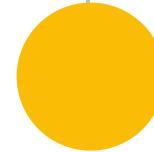
Why become Google certified?



Gain industry recognition!



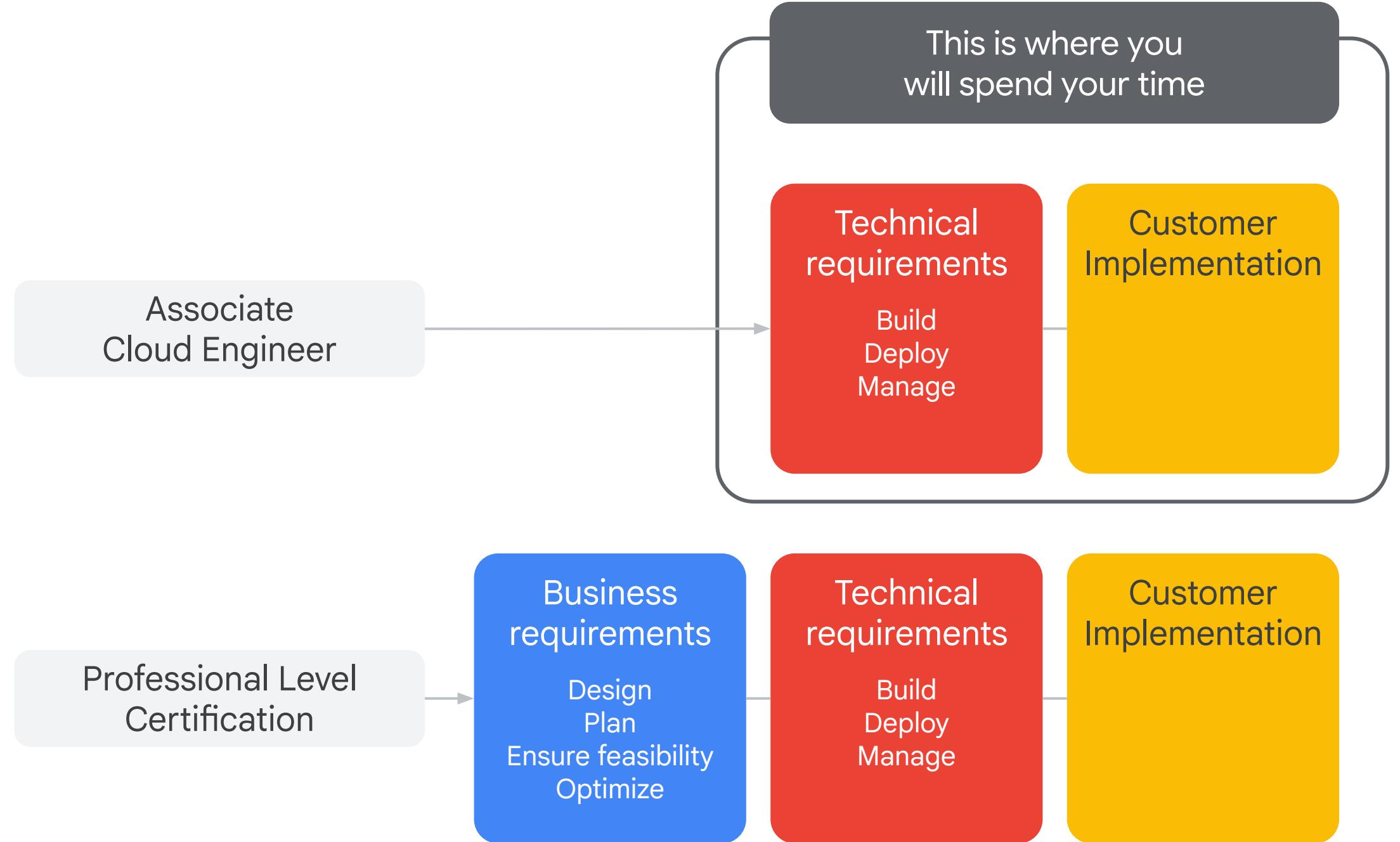
Validate your technical expertise!



Take your career to the next level!

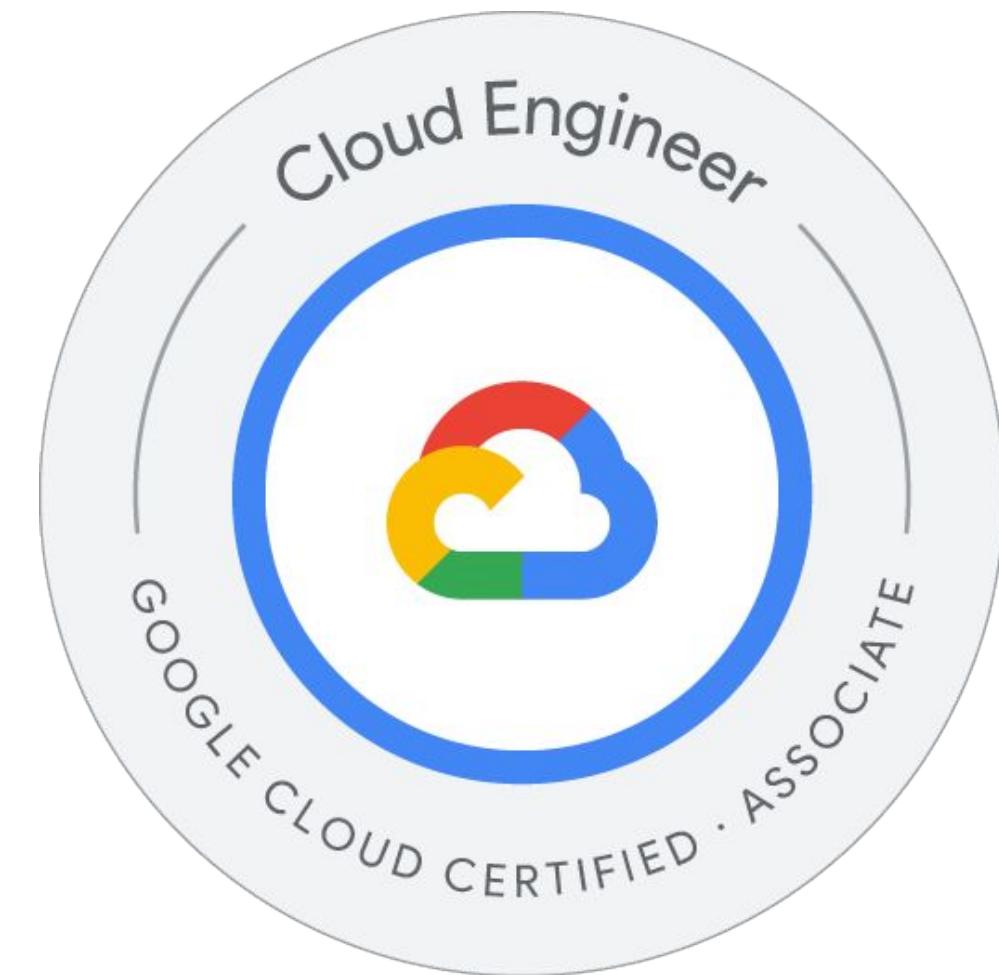
What is the difference between

Associate and Professional certification?

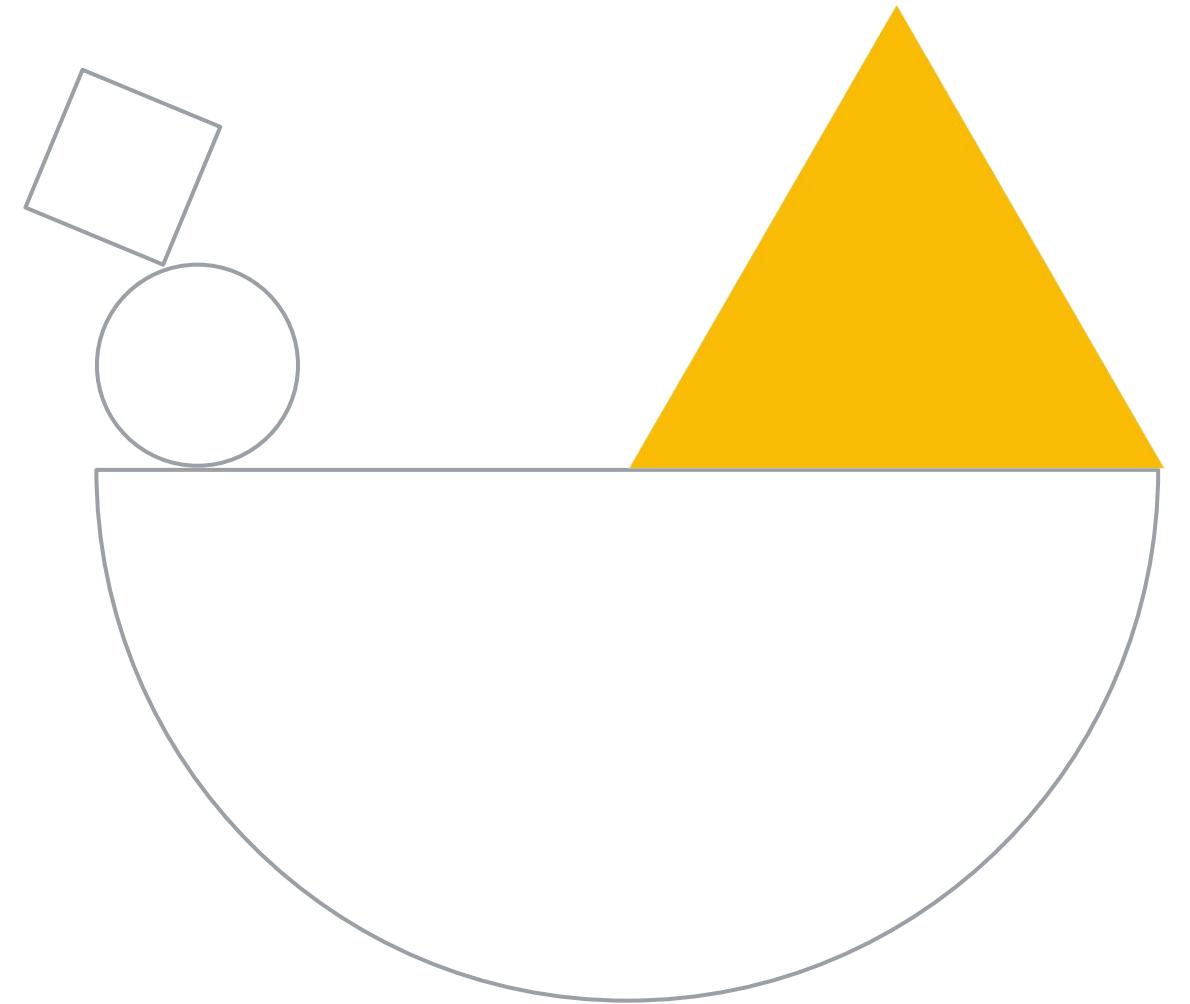


**Understand the scope of the
exam based on the Associate
Cloud Engineer [Exam Guide](#).**

<https://cloud.google.com/certification/cloud-engineer>

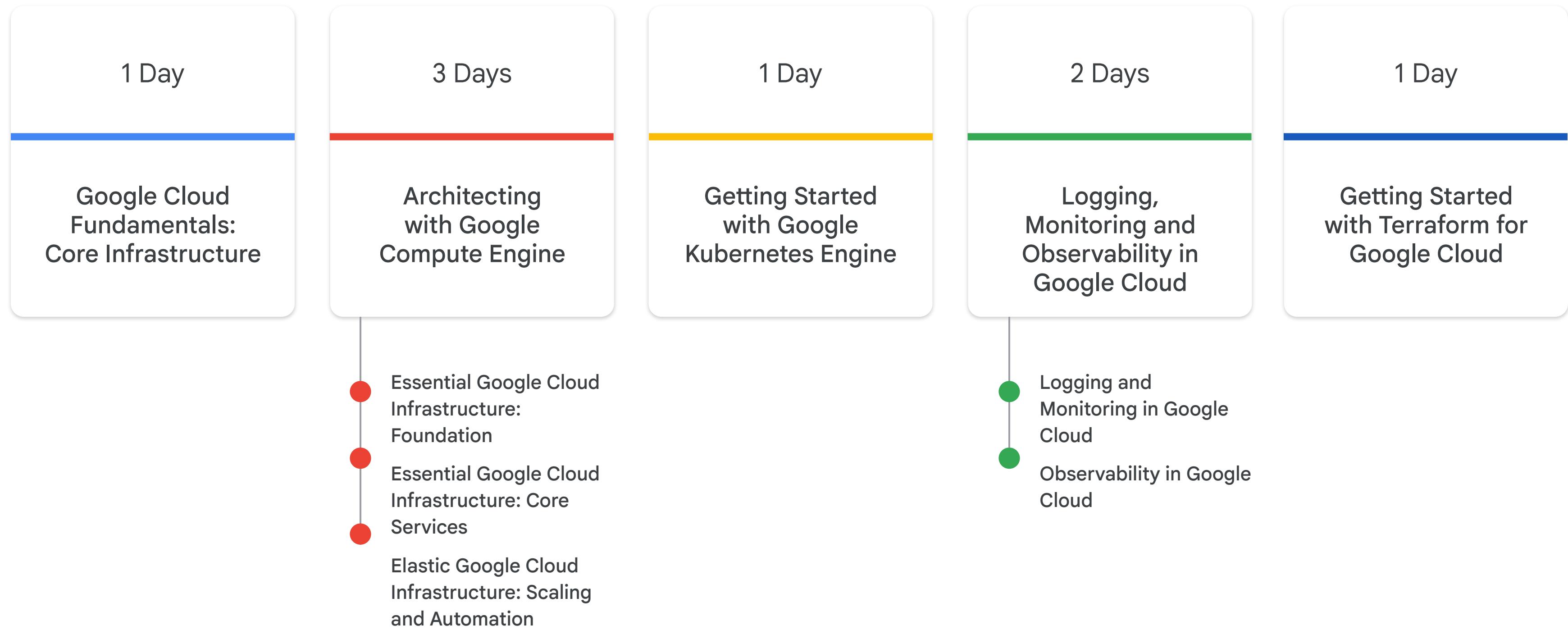


Resources to support your certification journey



Courses and skill badges in the learning path

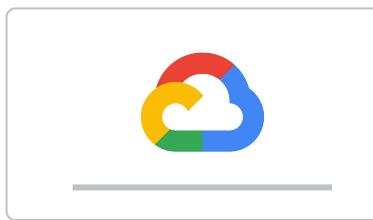
Courses



Courses and skill badges in the learning path

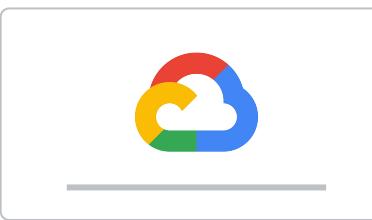
Skill badges

4 Hours



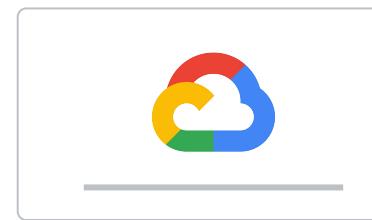
Implement Load Balancing on
Compute Engine

4 Hours



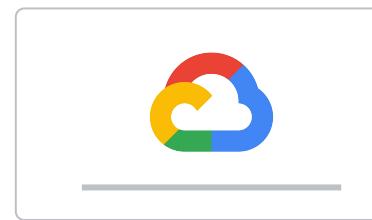
Set Up an App Dev
Environment on Google Cloud

6 Hours



Develop your Google Cloud
Network

5 Hours



Build Infrastructure with
Terraform on Google Cloud

Sample questions

You have a project using BigQuery. You want to list all BigQuery jobs for that project. You want to set this project as the default for the `bq` command-line tool.
What should you do?

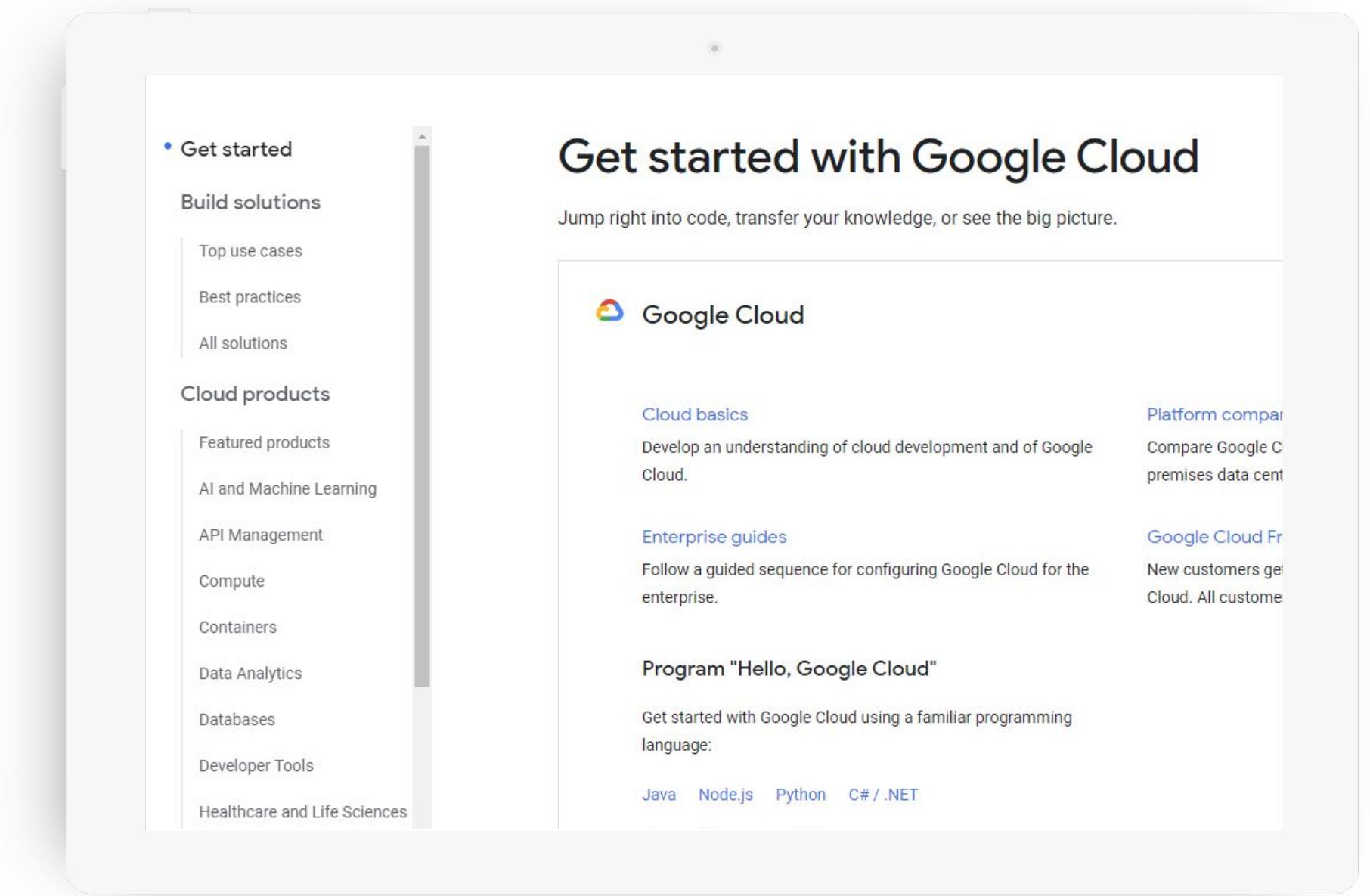
- A. Use **`gcloud config set project`** to set the default project.
- B. Use **`bq config set project`** to set the default project.
- C. Use **`gcloud generate config-url`** to generate a URL to the Cloud Console to set the default project.
- D. Use **`bq generate config-url`** to generate a URL to the Cloud Console to set the default project.



Product Documentation

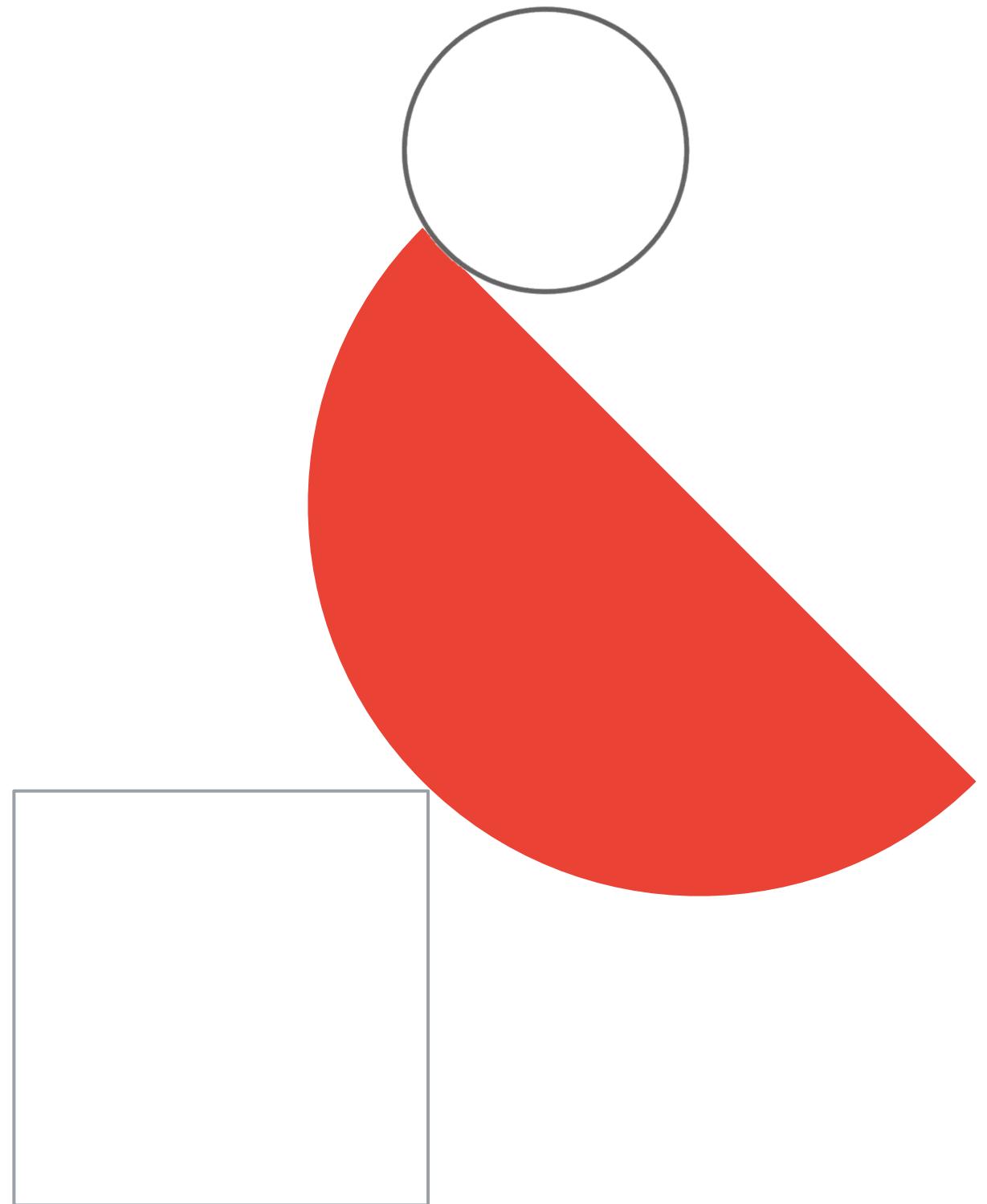
Google supplies official public documentation for its products and services.

<https://cloud.google.com/docs/>



The screenshot shows a mobile device displaying the Google Cloud 'Get started with Google Cloud' page. The page has a light gray header with the Google Cloud logo and the title 'Get started with Google Cloud'. Below the header, there is a sub-header 'Jump right into code, transfer your knowledge, or see the big picture.' followed by a 'Google Cloud' logo. The main content area is divided into several sections: 'Cloud basics' (with a sub-section 'Develop an understanding of cloud development and of Google Cloud.'), 'Enterprise guides' (with a sub-section 'Follow a guided sequence for configuring Google Cloud for the enterprise.'), 'Program "Hello, Google Cloud"' (with a sub-section 'Get started with Google Cloud using a familiar programming language:'), and a footer with links for 'Java', 'Node.js', 'Python', 'C# / .NET'. On the left side of the screen, a vertical sidebar is visible, showing a navigation menu with sections like 'Get started', 'Build solutions', 'Cloud products', and a list of specific services: 'Featured products', 'AI and Machine Learning', 'API Management', 'Compute', 'Containers', 'Data Analytics', 'Databases', 'Developer Tools', and 'Healthcare and Life Sciences'. The sidebar also includes a 'Best practices' and 'All solutions' section under 'Build solutions'.

Creating your study plan



Diagnostic questions:

Identify areas you need
to study and resources
to support you

1.1 | Diagnostic Question 01 Discussion



Stella is a new member of a team in your company who has been put in charge of monitoring VM instances in the organization. Stella will need the required permissions to perform this role.

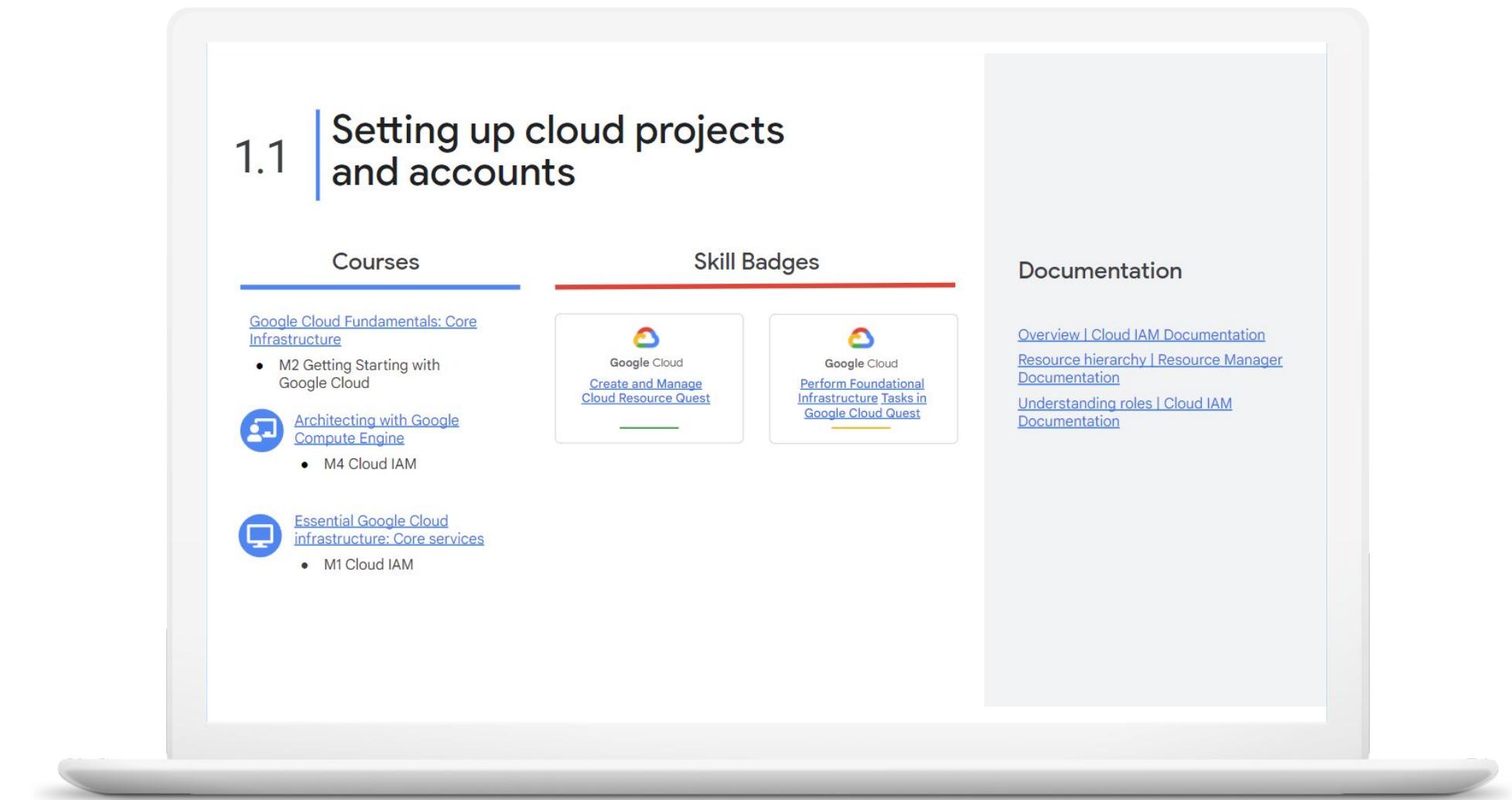
How should you grant her those permissions?

- A. Assign Stella a roles/compute.viewer role.
- B. Assign Stella compute.instances.get permissions on all of the projects she needs to monitor.
- C. Add Stella to a Google Group in your organization. Bind that group to roles/compute.viewer.
- D. Assign the “viewer” policy to Stella.

Google Cloud

Locate resources:

Take notes in your workbook on the resources and documentation to fill your gaps



The image shows a laptop screen displaying a learning platform interface. The title '1.1 Setting up cloud projects and accounts' is at the top. Below it, there are two sections: 'Courses' (blue underline) and 'Skill Badges' (red underline). The 'Courses' section lists three items: 'Google Cloud Fundamentals: Core Infrastructure' (with 'M2 Getting Starting with Google Cloud' and 'M4 Cloud IAM' listed), 'Architecting with Google Compute Engine' (with 'M4 Cloud IAM' listed), and 'Essential Google Cloud Infrastructure: Core services' (with 'M1 Cloud IAM' listed). The 'Skill Badges' section shows two Google Cloud skill badges: 'Create and Manage Cloud Resource Quest' and 'Perform Foundational Infrastructure Tasks in Google Cloud Quest'. To the right of the laptop, there is a vertical sidebar with a 'Documentation' section containing links: 'Overview | Cloud IAM Documentation', 'Resource hierarchy | Resource Manager Documentation', and 'Understanding roles | Cloud IAM Documentation'.

1.1 Setting up cloud projects and accounts

Courses

Google Cloud Fundamentals: Core Infrastructure

- M2 Getting Starting with Google Cloud
- M4 Cloud IAM

Architecting with Google Compute Engine

- M4 Cloud IAM

Essential Google Cloud Infrastructure: Core services

- M1 Cloud IAM

Skill Badges

Google Cloud Create and Manage Cloud Resource Quest

Google Cloud Perform Foundational Infrastructure Tasks in Google Cloud Quest

Documentation

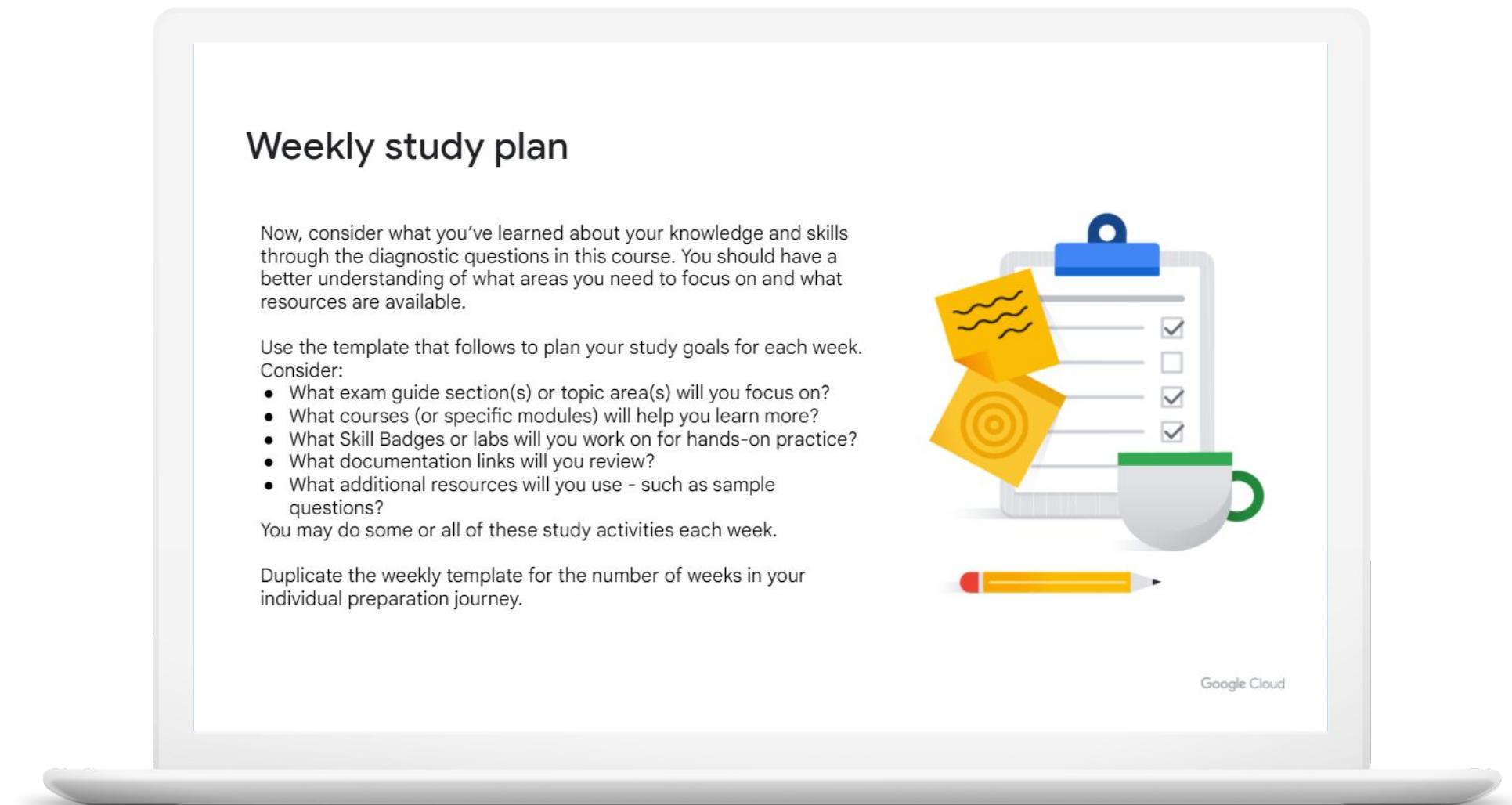
[Overview | Cloud IAM Documentation](#)

[Resource hierarchy | Resource Manager Documentation](#)

[Understanding roles | Cloud IAM Documentation](#)

Use the workbook:

Plan your study for
each week in the journey



Weekly study plan

Now, consider what you've learned about your knowledge and skills through the diagnostic questions in this course. You should have a better understanding of what areas you need to focus on and what resources are available.

Use the template that follows to plan your study goals for each week. Consider:

- What exam guide section(s) or topic area(s) will you focus on?
- What courses (or specific modules) will help you learn more?
- What Skill Badges or labs will you work on for hands-on practice?
- What documentation links will you review?
- What additional resources will you use - such as sample questions?

You may do some or all of these study activities each week.

Duplicate the weekly template for the number of weeks in your individual preparation journey.

Google Cloud

Let's start on your
Associate Cloud
Engineer journey.

