



Google Cloud Certification Journey

Associate Cloud Engineer

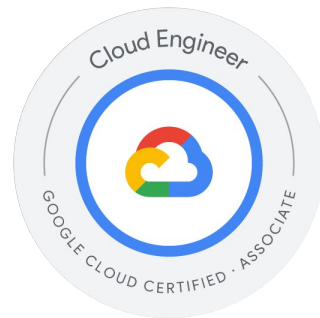
Cohort start date - November 27, 2024

Cohort ID: ACE09-GETCERT/2024.11.27

Trainer: Julien Moreau

Cohort Coordinator: Cibin Koshi

Program Lead: Alyssa Groves



Agenda

Market Trends



Why get Google Cloud certified?



Google Cloud Certifications



Google Cloud Certification Journey Overview



Additional Resources



Trends we are seeing in Training & Certifications



Increase in Certified IT Professionals

92% IT professionals (survey respondents) have at least 1 certification.



Skills Gap Issues Persist

76% of IT decision-makers experience critical skills gaps on their teams and it is 145% increase since 2016.



Invested Interest in Training

80% IT decision makers approved training for their staff.



Why professionals train?

The number one reason to train - cited by both IT decision makers and IT staff is to build new skills. In fact **74%** of IT professionals want to improve their skills set.

Skilled Workforce is Key to Transforming your Business

Comprehensively training organization are **80%** more likely to **achieve their business goals**

3x

More likely to achieve their innovation goals

3.8x

More likely to meet ROI objectives

4.4x

More likely to overcome operational concerns

1.9x

More likely to move beyond limited deployment

Google Cloud Certifications Business Impact

Organizations **modernize faster** and **increase business impact** with Google Cloud certified individuals



52%

Increase in closing
organizational skill gaps

44%

Boost in productivity

43%

More effective at meeting
clients' requirements

36%

Decrease in time when
troubleshooting issues

Based on survey responses from the 2020 Google Cloud certification impact report.
Based on responses from the Global Knowledge 2020 IT Skills and Salary Survey.

Associate Cloud Engineer Certification Journey Program



Why get Certified?

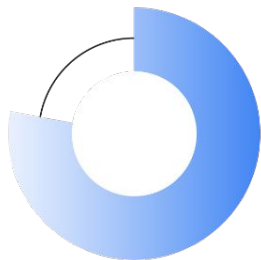


GCP certification proves that an engineer not only has real-world experience, but also has the technical knowledge to operate at the level required.

Welby McRoberts

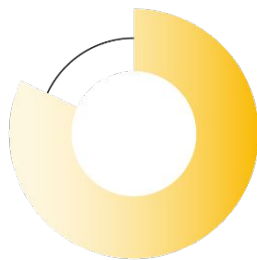
Customer Reliability Engineer for Managed GCP, Rackspace Ltd.

Cloud Certification Program Impact



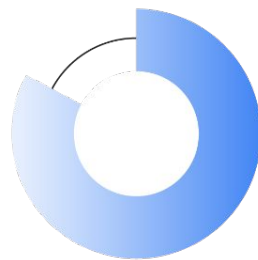
78%

Feel more confident in
professional future



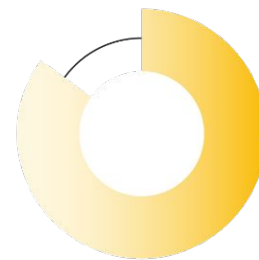
82%

Can prove cloud skill
competency to
recruiters



83%

Feel resume is more
attractive



85%

Feel more confident
in cloud skills

Percentages indicate those who strongly or somewhat agree with the statement. Findings from survey conducted with Google Cloud Certified individuals in February 2020 by an Independent Third Party Research Organization.

Google Cloud Certifications

Google Cloud Certifications Overview

Foundational

Cloud knowledge and working in the cloud

Associate

Recommended 6+ months hands-on experience with GCP

Professional

Recommended 3+ years industry experience & 1 year hands-on experience with GCP

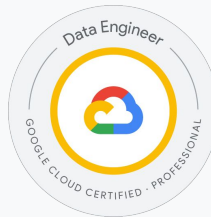
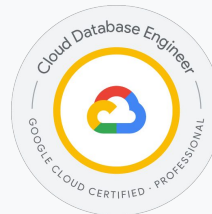
Cloud Digital Leader



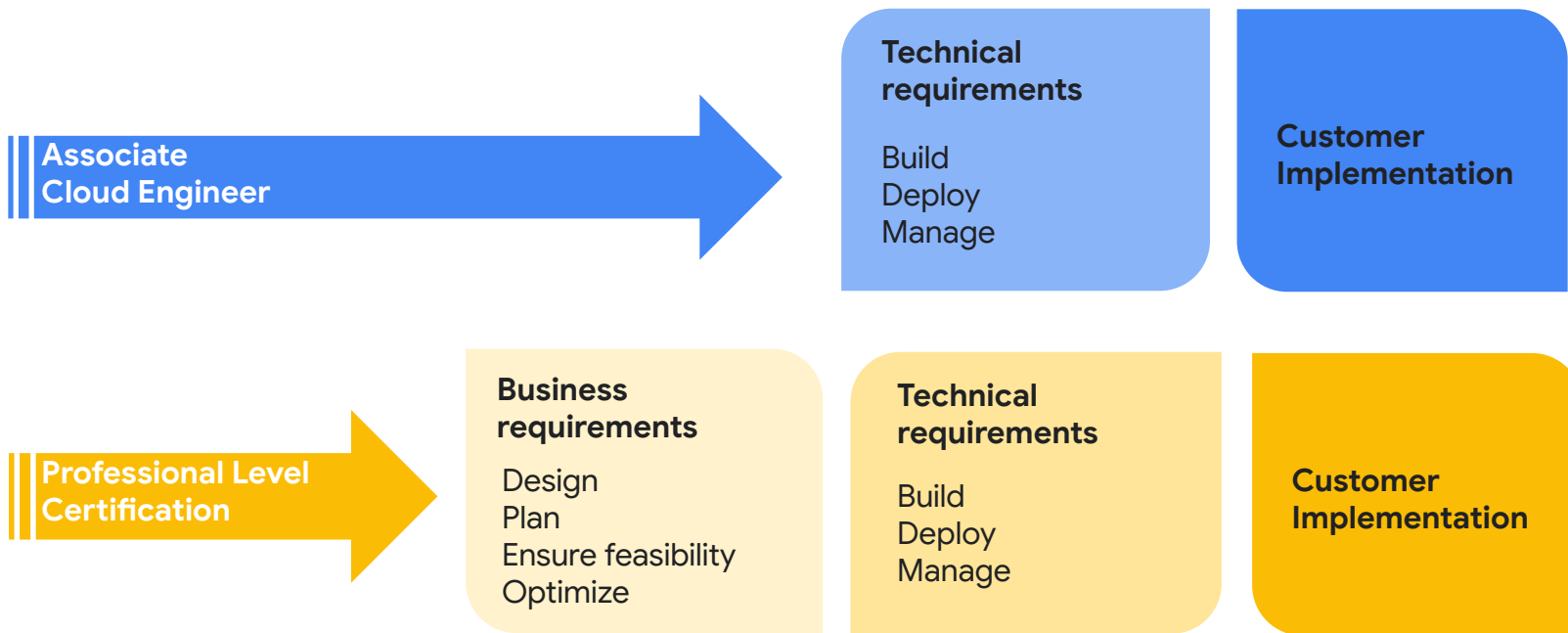
Associate Cloud Engineer



Professional Level Certifications



What is the difference between a **Associate** vs. **Professional** certification?



Associate Cloud Engineer Certification

Recommended 6+ months hands-on experience with GCP



Role Responsibilities:

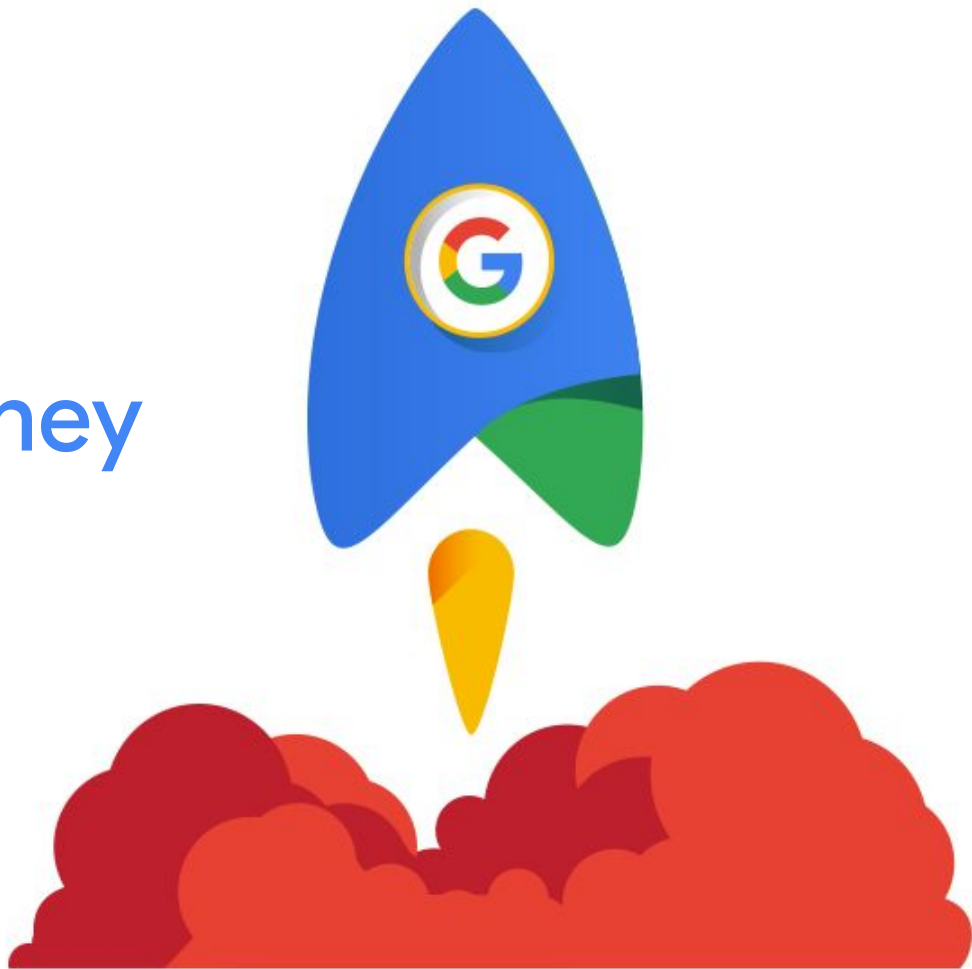
Design, develop, and manage robust, secure, scalable, highly available, and dynamic solutions to drive business objectives.



Exam Coverage

- Design and plan a cloud solution architecture
- Manage and provision the cloud solution architecture
- Design for security and compliance
- Analyze and optimize technical and business processes
- Manage implementations of cloud architecture
- Ensure solutions and operations liability

Google Cloud Certification Journey Overview



Certification Journey Learning Program

A **guided 10 week-job program** which prepares technical practitioners for in-demand/ILT **Google Cloud certifications. Certifications** validate technical expertise and take careers to the next level.



Program elements



10 weeks guided learning program
Starting on 27th of November,
2024 at 09:00 - 10:30 PM (IST)



Technical mentorship provided by a **dedicated trainer** in a format of:

- **6 Exam guide review sessions**
(online live sessions with a technical mentor. Sessions have a predefined content and structure)
- **2 Mentor office hours**
(online live support sessions with a technical mentor. Participants can join the sessions to receive support and technical guidance.)
- **10 weeks support** via **Online Community**.



A dedicated cohort coordinator Cibin Koshi
cibink@xwf.google.com

Available Monday till Friday
during business hours.



Exam voucher information

Get your exam voucher by filling this [form](#). Please allow 24-72 hours to receive the voucher (from the request date). Please attempt the exam by 24th February, 2025.



Learning platforms

Google Cloud Skills Boost with access to the on-demand courses and for hands-on labs.

Associate Cloud Engineer

Learning plan

Weeks

1-5




★ Skill badge

Pre-work

Review:

[Associate Cloud Engineer Certification Exam Guide](#)

[Associate Cloud Engineer Sample Questions](#)

Week 1	Week 2	Week 3	Week 4	Week 5
Please complete:	Please complete:	Please complete:	Please complete:	Please complete (optional):
★ Implement Load Balancing on Compute Engine Required*	★ Set Up an App Dev Environment on Google Cloud Required*	★ Build a Secure Google Cloud Network Required*	 (Arcade)	★ Implement Cloud Security Fundamentals on Google Cloud Required*
Google Cloud Fundamentals: Core Infrastructure	Essential Google Cloud Infrastructure: Foundation	Essential Google Cloud Infrastructure: Core Services	Earn \$200 in GCSB credits and swag: Arcade game on Cloud Skill Boost. Participation optional*	Elastic Google Cloud Infrastructure: Scaling and Automation

Following weeks on the next page

Exam Voucher: You can apply for an exam voucher starting from week 6, after meeting the below criteria:

*Complete at least 5 (out of 6) Google Cloud skill badges from your learning plan, share your public GCSB profile with us by filling in this **form** and **get your exam voucher!** Voucher is awarded based on skill badges completion and the availability.

The voucher form is open by **31st of January, 2025**.

Please attempt the exam by **24th of February, 2025**.

Associate Cloud Engineer

Learning plan

Weeks

6-10

★ Skill badge



Exams



Week 6

Please complete:

★ [Develop your Google Cloud Network](#)

Required*

Week 7

Please complete:

★ [Build Infrastructure with Terraform on Google Cloud](#)

Required*

Week 8

Please complete:

[Getting Started with Google Kubernetes Engine](#)

Week 9

Please review:

Build exam readiness.
Revise materials and session recordings.

Week 10

Exam prep time:

Claim your exam voucher and book the exam!*

[Reliable Google Cloud Infrastructure: Design and Process](#)



Get you voucher if you completed already 5 skill badges!



Skill badge completion deadline.



Please attempt the GCP exam.

Exam Voucher: You can apply for an exam voucher starting from week 6, after meeting the below criteria:

*Complete at least 5 (out of 6) Google Cloud skill badges from your learning plan, share your public GCSB profile with us by filling in this [form](#) and **get your exam voucher!** Voucher is awarded based on skill badges completion and the availability.

The voucher form is open by **31st of January, 2025**.

Please attempt the exam by **24th of February, 2025**.

Learning plan
continuation

Earn skill badges along the way

A [Google Cloud skill badges](#) is a digital badge issued by Google Cloud in recognition of an individual's cloud proficiency with Google Cloud products and services and tests their ability to apply that knowledge in an interactive hands-on environment

[Watch this video](#) and learn what are the Google Cloud skill Badges.
[This article](#) describes the value of the Google Cloud Skill Badges.

Google Cloud Skills Boost (form. Qwiklabs)

1. Google Cloud Skills Boost is an online learning environment along with a set of instructions to walk you through a live, real world, and scenario-based use case. In a lab you have access to the actual environment you want to learn about, not a simulation or demo environment. You can access the lab environment from anywhere on the Internet using a standard browser.
 2. You have a 6 months Google Cloud Skills Boost subscription/Credits with access to all Google Cloud labs, quests and Skill Badges.**Read carefully the email “Please create and activate your Google Cloud Skills Boost account :-)” sent on 27th November.** Happy learning! :-)
1. Qwiklabs support can be reached via:
 - a. Email: support@qwiklab.com
 - b. [Qwiklabs Support Portal](#)
 - c. Chat support
 2. While contacting Qwiklabs support please provide the following:
 - a. Your login email address
 - b. Name of your company/organization
 - c. That you have “a 10 weeks Qwiklabs subscription” Screenshots of the issue (if needed)

Communication Channels



Weekly Emails

Receive useful information on the status of your learning and tips & tricks to get the most out of your prescribed learning journey.



Exam Guide Review Sessions

Weekly exam guide review sessions with a dedicated trainer, who will answer questions and provide additional advice and preparation resources.
6 Exam Guide Review sessions, all sessions will be recorded and available for your cohort only.



Community Forum

For peer to peer support and a direct communication channel with your trainer.

[ace09-getcert_q4_2024@googlegroups.com](#)











Program Drive

Program assets, including the recordings from the exam guide review sessions will be stored here. Please make sure you can access this place.

Program shortcuts

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Program asset	Access via	Content	Link
Online Community via Google Groups	Google Account	<ul style="list-style-type: none">• Weekly updates according to learning plans• Trainer's support on technical questions• Cohort coordinator's support for program questions• Additional information about program-related events, news, features etc.	 
Program Folder via Google Drive	Google Account	<ul style="list-style-type: none">• Learning plan• Session's decks• Recordings• Other materials	 
On demand training and Hands-on practice via Google Cloud Skills Boost	Company email address	<ul style="list-style-type: none">• Google Cloud Skills Boost is an online learning environment along with a set of instructions to walk you through a live, real world, and scenario-based use case. In a lab you have access to the actual environment you want to learn about, not a simulation or demo environment.	 
Google Form	Google Account	<ul style="list-style-type: none">• To grant the access to Google Groups and Google Drive.	 

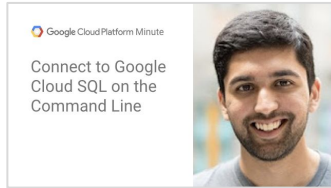
Additional resources

- Exam outlines and sample questions
- Product [documentation](#)
- Online practice labs and quests
- [“Free” Google Cloud accounts \(\\$300 credit\)](#)
- [Google Cloud Tech Youtube Channel](#)
- [Google Cloud Blog](#)
- [GCP sketchnote](#)
- [The Cloud Girl](#) - next pages present some examples
- You can also purchase [the ACE exam preparation book/ebook](#)



Google Cloud Tutorials

Find [step-by-step instructions](#) for completing common tasks like automated network deployment, disaster recovery planning, and more.



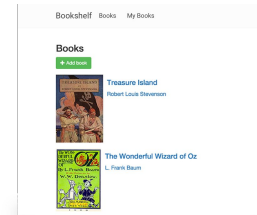
Cloud Minute

Watch one-minute how-to [videos](#) for dozens of simple tasks, like adding APIs to a Cloud Platform project or creating a bucket in GCS.



Google Cloud Quickstarts

Get started with Cloud Platform products, services, and APIs with these short [tutorials](#) – which range from beginner to advanced topics.



Sample Projects

Dive right into coding with [examples](#) that demonstrate how to use popular and powerful Google Cloud Platform products and features.

Program best practices

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Commit to completing the entire program, organize with your company projects accordingly.

Enjoy sessions with your trainer! Take notes, ask questions, be present and active.

Give yourself time to review exam recommended topics and take advantage of exam guide deep dives and live Q&A during the sessions with the trainer.

Register to take the exam as soon as possible :-)

Take advantage of the online community - reach out to your trainer, ask questions, brainstorm ideas, and support your peers.

Check your exam readiness by reviewing the [Associate Cloud Engineer Exam Study Guide](#) and [sample questions](#)

Become a Certified Associate Cloud Engineer!



Questions? :-)

Let's get started!

