

Google Cloud Certification Journey

Professional Cloud Architect

Cohort start date - May 30, 2023

Cohort ID: PCA03-GETCERT/2023.05.30

Trainer: Bala Vinith Singareddy

Cohort Coordinator: Saumya Nautiyal

Program Lead: Alyssa Groves, Joanna Senderak-Jankowska



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

87% IT professionals have at least 1 certification and see an immediate increase in their work quality, engagements, and performance



Skills Gap Issues Persist

75% IT decision makers have skill gap issues. The loss in productivity due to these issues can cost 520 hours and \$29k per employee



Invested Interest in Training

80% IT decision makers approved training for their staff



Economic Benefit for Certified Individuals

84% of IT decision makers said the economic benefit of certified employees exceeds \$10,000/year

Skilled Workforce is Key to Transforming your Business

Comprehensively training organizations 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.

Professional Cloud Architect 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.

78%

feel more confident
in professional future

83%

can prove cloud skill
competency to recruiters

81%

feel resume is more
attractive

87%

feel more confident in
cloud skills

Why Certify?



Google Cloud certifications give individuals **confidence, credibility**, and opportunities for **career advancement and personal development**.

Google Cloud Certifications

Google Cloud Certifications Overview



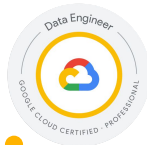
Cloud Digital
Leader



Associate Cloud
Engineer



Professional
Cloud Architect



Professional
Data Engineer



Professional
Machine Learning
Engineer



Professional
Cloud DevOps
Engineer



Professional
Workspace
Administrator



Professional
Cloud
Developer



Professional
Cloud Network
Engineer



Professional
Cloud Security
Engineer



New Professional
Cloud Database
Engineer

Foundational

Cloud knowledge and working in the cloud

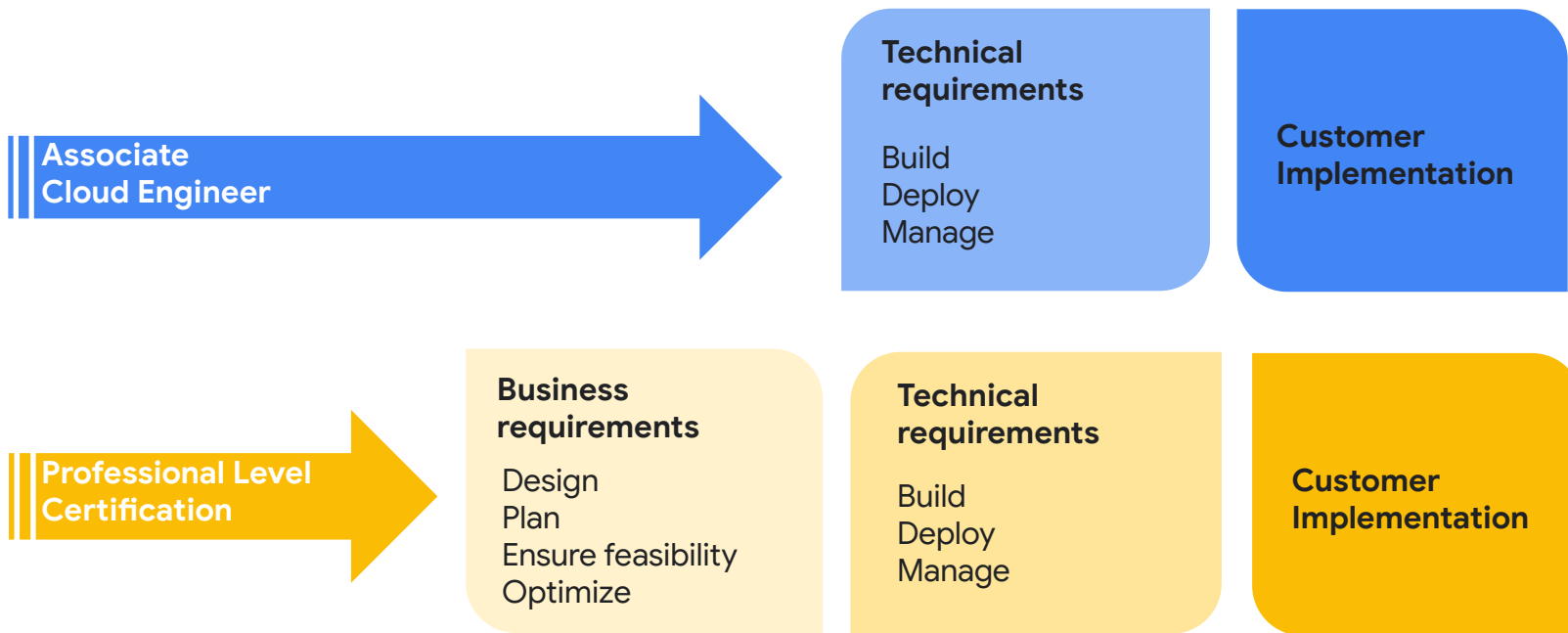
Associate

Recommended 6+ months hands-on experience with GCP

Professional

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

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



Professional Cloud Architect Certification

Recommended Experience - 3+ years of industry experience plus 1+ years designing and managing solutions using GCP



Role Responsibilities:

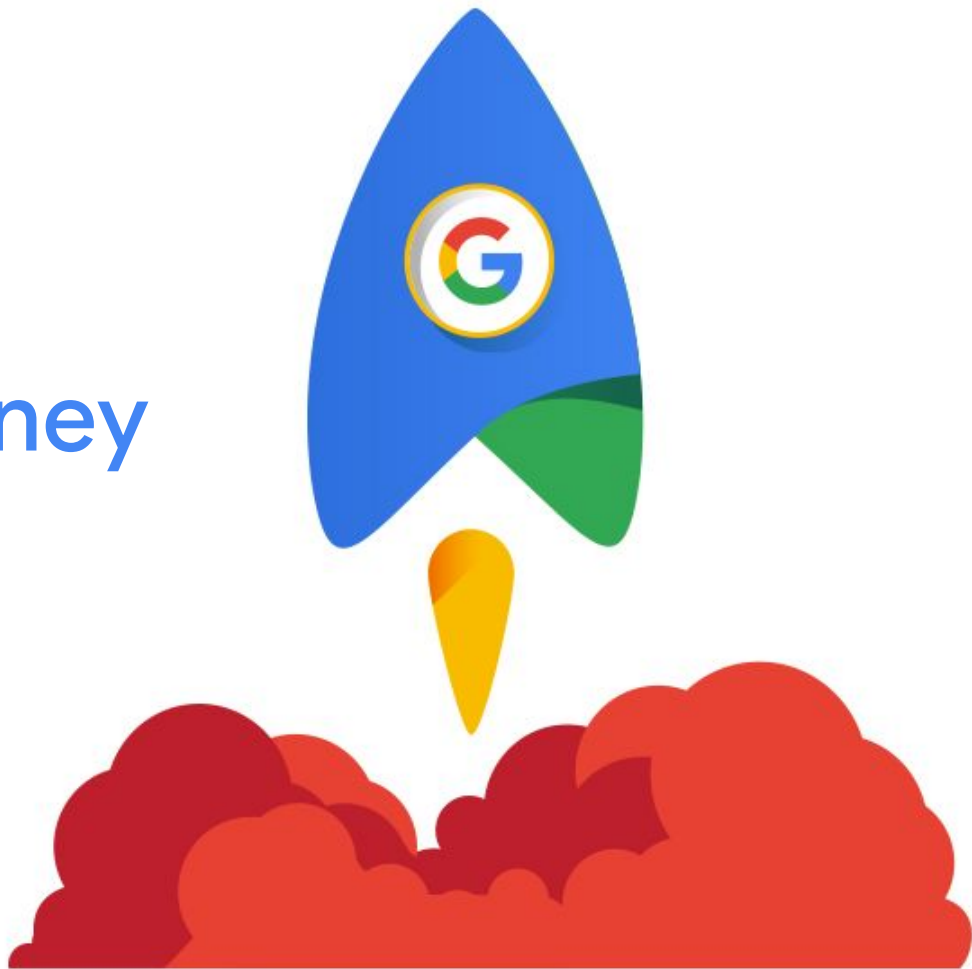
Design, develop, and manage robust, secure, scalable, highly available, and dynamic solutions to drive business objectives.



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



Earn skill badges along the way

A [Google Cloud skill badge](#) 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.



Google Cloud

Create and Manage
Cloud Resources

INFRASTRUCTURE MODERNIZATION SKILL



Google Cloud

Perform Foundational
Infrastructure Tasks

INFRASTRUCTURE MODERNIZATION SKILL



Google Cloud

Perform Foundational Data,
ML, and AI Tasks

SMART ANALYTICS SKILL



Google Cloud

Automating Infrastructure on
Google Cloud with Terraform

INFRASTRUCTURE MODERNIZATION SKILL

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

Professional Cloud Architect in 8 weeks

Dates overview



Time zone:
BST

Pre-work

To be done
before:

May 30 2023

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Start May 30 2023	Start June 06 2023	Start June 13 2023	Start June 20 2023	Start June 27 2023	Start July 04 2023	Start July 11 2023	Start July 18 2023
Duration ~ 17 h	Duration ~ 14 h	Duration ~ 14 h	Duration ~ 21 h	Duration ~ 8 h	Duration ~ 21 h	Duration ~	Duration ~

Exam guide reviews sessions

Date May 30 2023 Time 09:00-10:30	Date June 06 2023 Time 09:00-10:30	Date June 13 2023 Time 09:00-10:30	Date June 20 2023 Time 09:00-10:30	Date June 27 2023 Time 09:00-10:30	Date July 04 2023 Time 09:00-10:30	No session	No session
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Connect with technical advisor to clarify remaining areas. Peer to peer discussions and questions will be monitored during working days.

End July 24 2023

Exams



Learning plan

Pre-work	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Exams
Review:	Complete:	Complete:	Complete:	Complete:	Practice:	Practice:	Practice:	Review:	
Professional Cloud Architect Certification Exam Guide	★ Create and Manage Cloud Resources	Essential Google Cloud Infrastructure: Core Services	Elastic Google Cloud Infrastructure: Scaling and Automation	Getting Started with Google Kubernetes Engine	Reliable Google Cloud Infrastructure: Design and Process	★ Automating Infrastructure on Google Cloud with Terraform	Preparing for Your PCA Journey Workbook		
Professional Cloud Architect Sample Questions	★ Perform Foundational Infrastructure Tasks in Google Cloud	★ Setup and Configure Cloud Environment	★ Deploy and Manage Cloud Environments with Google Cloud	★ Optimize Costs for Google Kubernetes Engine			<p>Contact your peers and technical mentor via Online Community. Get your questions answered and build your exam readiness.</p>		
	Essential Google Cloud Infrastructure: Foundation			[Optional] Logging, Monitoring, and Observability in Google Cloud					

Exam Voucher: You can apply for an exam voucher any time during this program. Complete at least 5 (out of 6) Google Cloud Skill Badges from your learning plan, share your public Skills Boost Profile with us by filling in this [form](#), and **get your exam voucher!** A limited number of vouchers are available. First come, first served!

The form is open by **September 10, 2023**.

Program elements



8 weeks guided learning program

Starting on 30th of May, 2023, at 09:00 AM BST



A dedicated cohort coordinator

Saumya Nautiyal
saumyanautiyal@google.com



Technical mentorship

provided by a **dedicated trainer** in a format of 6 exam guide review sessions and 8 weeks **support** via **Online Community**



Exam voucher information

Get your exam voucher by filling this [form](#)



Learning platforms

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



Google Cloud

Program Resources

Training Platforms

Communication Channels

And... other available resources :-)

Google Cloud Skills Boost

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 10-week Google Cloud Skills Boost subscription 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 May 24.** It has all the information you need to activate the account properly.

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. Description of an issue to be solved
 - c. 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. Emails will be sent from the Online Community.



Exam Guide Review Sessions

Weekly technical mentorship sessions with a dedicated trainer. Mentors answer questions and provide additional advice and preparation resources.

6 exam guide review sessions.



Community Forum









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



Google 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

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.	 

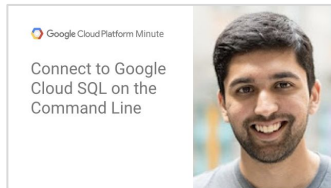
Additional resources

- 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](#)
- [You can also purchase the PCA exam preparation book/ebook](#)



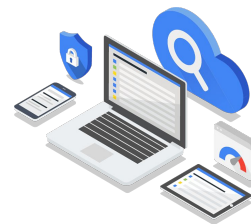
Google Cloud Tutorials

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



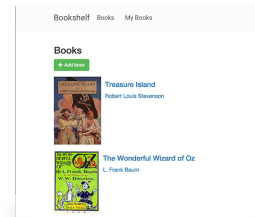
Cloud Minute

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

Proprietary + Confidential

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 when feel fully prepared :-)

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 Professional Cloud Architect [Exam Study Guide](#) and [sample questions](#)

Become a Certified Professional Cloud Architect!



Questions? :-)

Let's get started! :-)



Contact info

if you have any questions, feel free to contact:

pca03_getcert_q2_2023@googlegroups.com

saumyanautiyal@google.com

Google Cloud

