Google Cloud Certifications – Batch 4

Everything you wanted to know!!

Cloud Market is exploding!

MARKET GROWTH

The worldwide public cloud services market is projected to grow **21.4 % in 2018** to the total of $186.4 billion, up from $153.5 billion in 2017, according to Gartner, Inc.

MSP REVENUE

Average Cloud revenue increased by **162 % from 2016 to 2017**, year-over-year for top 100 Public Cloud Infrastructure Managed Service Providers, reported by Gartner, Inc.

SALARY & JOBS

As per PayScale survey, Solutions Architects with Cloud Computing expertise earns higher median salary than traditional IT skills.

CAREER GROWTH

Hybrid IT (on-prem. + Cloud) is the way. Estimated growth is < 2% for Traditional IT in 2018. Enhance skills to design holistic solutions and grow as the Sol. Arch. and Consultants

Google Cloud Certifications!

Level 1 - Associate Certifications	Level 2 - Professional Certifications
It is a job-task based certification focused on core Google Cloud Platform technology. This certification is a good starting point for those new to cloud or new to GCP and can be used as a path to professional level certifications	These are job-role based and assess advanced design and implementation skills developed through hands-on experience.
• **GOOGLE CLOUD CERTIFIED - Associate Cloud Engineer** To know more, click here	• **GOOGLE CLOUD CERTIFIED - Professional Cloud Architect** To know more, click here
	• **GOOGLE CLOUD CERTIFIED - Professional Data Engineer.** To know more, click here
	• **GOOGLE CLOUD CERTIFIED - Professional Cloud Developer.** To know more, click here
	• **GOOGLE CLOUD CERTIFIED - Professional Cloud Network Engineer.** To know more, click here
	• **GOOGLE CLOUD CERTIFIED - Professional Cloud Security Engineer.** To know more, click here

How do I prepare for the Google Cloud certification?

1. [Review certifications]: Use the below links to review the available Google Cloud Certifications. You need to choose Associate exam + 1 Pro exam:

- *Google cloud certified - Associate Cloud Engineer*
- *Google cloud certified - Professional Cloud Architect*
- *Google cloud certified - Professional Data Engineer*
- *Google cloud certified - Professional Cloud Developer*
- *Google cloud certified - Professional Cloud Network Engineer*
- *Google cloud certified - Professional Cloud Security Engineer*

2. [Prepare for certification]: Use the following resources:

- Complete online training in **Linux Academy** (3 to 4 weeks)
- Refer Google Documentation:
  - ➤ For Google docs, **click here**
  - ➤ For Google docs tutorials, **click here**
- Practice hands-on : refer **Qwiklabs** and practice using Free Tier on **Google Cloud**

3. [Practice Lab]:

- Sign-up on **Google Cloud**
- It will give you free access for 1 year with $300 credits.

4. [Validate Your Knowledge]:

- To take up the practice exam, **click here**

How do I prepare for the Google Cloud certification? (contd.)

5. [Book Your Exam]:
- The exam fee for **Associate certification is $125** and for **Professional certification is $200**
- To book the exam, **click here** (Note: Book your exam using valid Wipro Email ID only)
- Then share the exam receipt with **Diksha Kochhar**
- Then appear for exam and pass the same

6. [Get Reimbursement for your exam fee and one month Linux academy subscription]
"You Pass – We Pay" program by Google Practice provides you reimbursement post your certification. In order to get the same, you need to share the below mentioned 5 things:
- Exam fee receipt from **donotreply@kryteriononline.com** (email / PDF) **$125** (in case of associate exam) or $200 (in case of professional exam)
- Payment receipt from Linux Academy for **$49**
- Success notice / Pass Result from **google-cloud-certification-support@google.com** (email / PDF)
- Screenshot of update on iMarketScape (myWipro)
- L1 Manager and Competency Manager approval (Note: Please take prior approval from your L1 manager & competency manager)

Learning guide

**What do you need to learn to pass the certification – List of topics, Hands-on experience,
Topics which are covered most vs. others**

1. Review the exam guide. The review it, **click here**

2. Take the below list of topics with a pinch of salt:
- ✓ Focus on IAM, Project creation and management, Billing, Kubernetes, Stackdriver, App Engine, Difference between Storage options and where to use them, Load Balancers, Auto-scaling, Deployment Manager, Compute, Networking. Command line using gcloud, gsutil, bq.
- ✓ Other topics at high level such as BigQuery, Big Table, Dataproc, Dataflow, Cloud Spanner, Cloud Functions, Security
- ✓ Nothing from Firebase (Mobile services), APIgee, IoT, other AI / ML services (AutoML, APIs)

3. Register at **Qwiklabs** and complete these Quests:
- ✓ Each quest has multiple labs and each lab takes about 30 to 60 mins.
- ✓ The quests are: **GCP Essentials**, **Networking in the Google Cloud**, **Kubernetes in the Google Cloud**, **Stackdriver**
- ✓ All the labs shown in Linux Academy

THIS IS AN EXAM WHICH EXPECTS LOTS AND LOTS OF HANDS-ON PRACTICE!

Learning guide (contd.)

How do you learn?

1. Complete these two parts 100% - twice – end-to-end; and do all the labs RELIGIOUSLY:
   - ✓ **Part 1**
   - ✓ **Part 2**

2. Complete these two, at high level, quickly:
   - ✓ **Part 1**
   - ✓ **Part 2**

3. Qwiklabs quests: **GCP Essentials**, **Networking in the Google Cloud**, **Kubernetes in the Google Cloud**, **Stackdriver**

4. Quickly go through all the PPTs. You can find the same **here** (yammer is integrated here)

5. You can interact with your fellow batchmates on Yammer, ask questions, share your knowledge. To join our Yammer group, **click here**

How much do I need to study every day?

It really depends upon your current skill-set, experience and exposure. On average it requires:
- 2 to 3 hours per day
- 5 to 6 hours over weekend
- Total of about 150 to 180 hours

If you have been using AWS or Azure, or you have been a full time Architect : Then you will need about 100 to 120 hours
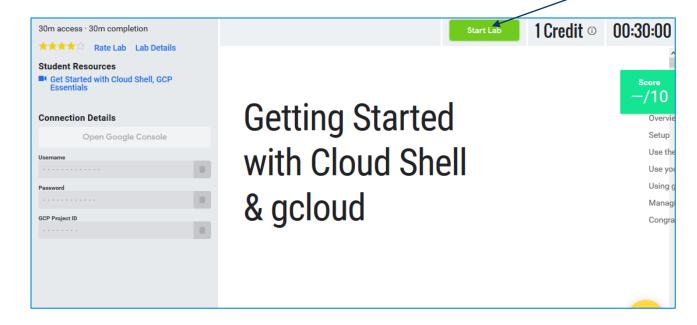
QwikLabs and Google Cloud Console

Qwik Labs console

Read steps at **Qwiklabs**, and go and execute them on **Google Loud console** using your free tier!

Use Qwik Labs as lab manual. Do not click on Start Lab button

Some frequently asked questions

I am aspiring to become Cloud Architect or Data Engineer – is this Cloud Associate for me?

- Course material for Associate Exam is sub-set of the course material for Pro level Architect exam. Some concepts like Site Reliability, Design, Architecture related topics are extra.
- However the real difference is in the kind of questions and difficulty level. It is very high for Pro exams. Cloud Eng. Associate exam will ask straight questions. Cloud Arch. Pro exam will give scenarios and one need to have significant architecture and design exp. to answer them.
- It is advisable to start with Associate level and then go for Professional level

How do I reimburse when I pass the exam? And how much? What is "You Pass / Google Practice Pays" scheme?

- The reimbursement, post certification is covered under "You Pass, We Pay" program by Google Practice.
- As we have finite budget and we are tracking total amount of budget by the way of registration for the exam is happening. To register, **click here**
- If you would like to be part of "You Pass, We Pay" program, follow the below steps:
  - ✓ Sign up, **here**
  - ✓ Post certification, for reimbursement kindly send the following information to **Diksha Kochhar** for approval and verification:
    1. Exam receipt , Linux academy receipt, Credit Card statement if there was any transaction fee involved, Passing Certificate (email from google-cloud-certification-support@google.com)
    2. Approval email from your L1 manager and Competency Manager
    3. Screenshot of updated certification details in myWipro iMarketScape

Some frequently asked questions (contd.)

Will there be regular sessions by someone, covering all the topics required for our exam? How frequently? In what time-zone?

- All the WebEx recordings and PPTs from previous batches are available here: **Sharepoint**
- All the doubts / questions must be posted on our **Yammer group**. Most of them will be answered there.
- We may have bi-weekly / more frequently / less frequently sessions, only if there are many questions around a particular topic and Q&As on Yammer is not sufficient.
- Everybody is expected to participate and pitch in with their answers / questions / suggestions.

Will I get placed in Cloud projects? Are there enough projects?

- Yes, there are many opportunities coming up. We do not have enough certified and qualified people to fulfill all the demand.
- Hiring into a project is bound by expectations set by Program / Project / Hiring Manager by publishing JDs. Process remains the same, where positions are published across Wipro via Talent marketplace, Wiplinks etc. and You need to apply, interview and get selected.
- Of course, being part of Google practice, we hear directly from many ADH, Geo heads and Sales folks – and we would be happy to make introductions as and when they come. Being certified is a prerequisite. We do not replace WMG.

Some frequently asked questions (contd.)

Why Google Cloud Certifications vs. AWS et.al?

With AI-first approach GCP may lead the Cloud race along with AWS:
- Cost-efficiency due to long-term discounts
- Big Data and Machine Learning products
- Instance and payment configurability

HackerNoon

- Customization of instance's CPU and RAM resources.
- Superior Networking Features with low latency
- Superior Load Balancers
- Better Multi regional Storage
- Wins on pricing and speed
- UX

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Some frequently asked questions (contd.)

What all Google Cloud Certifications are available?

Associate Cloud Engineer
- Exam registration fee: **$125** USD
- To review the certification exam guide, **click here**
- To know more, **click here**

Professional Cloud Architect
- Exam registration fee: **$200** USD
- To review the certification exam guide, **click here**
- To know more, **click here**

Professional Data Engineer
- Exam registration fee: **$200**USD
- To review the certification exam guide, **click here**
- To know more, **click here**

Professional Cloud Developer
- Exam registration fee: **$200** USD
- To review the certification exam guide, **click here**
- To know more, **click here**

Professional Cloud Network Engineer
- Exam registration fee: **$200** USD
- To review the certification exam guide, **click here**
- To know more, **click here**

Professional Cloud Security Engineer
- Exam registration fee: **$200** USD
- To review the certification exam guide, **click here**
- To know more, **click here**

Some frequently asked questions (contd.)

What all courses or material are available for Google Cloud Professional Certifications?						
	Preferred Courses	**Other Material**				**Hands-On (MUST!)**
Cloud Architect	• Linux academy: 1 , 2, 3	SRE Book Understand SDLC and Software Release Management	• For whitepapers, click here • For YouTube Videos: 1 , 2 *Choose relevant sessions	• Kubernetes (#2 and #3 video in this series list)	• Reviews of exam by various people on Medium	Refer Exam Guide for list: https://qwiklabs.com/
Data Engineer	• Linux academy: 2, 3 • Udemy: Loony Corn • Coursera: 1 , 2	SRE Book	• For whitepapers, click here • For YouTube Videos: 1 , 2 *Choose relevant sessions	• https://developers.google.com/machine-learning/crash-course/	• Reviews of exam by various people on Medium	Refer Exam Guide for list: https://qwiklabs.com/

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What all courses or material are available for Google Cloud Certifications?						
	Preferred Courses		**Other Material**			**Hands-On (MUST!)**
Cloud Developer	• Linux academy: 2, 3 • Coursera	SRE Book	• For whitepapers, click here • For YouTube Videos: 1 , 2 *Choose relevant sessions		• Reviews of exam by various people on Medium	Refer Exam Guide for list: https://qwiklabs.com/
Cloud Network Engineer	• Linux academy: 2, 3 • Coursera	(SRE Book Optional)	• For whitepapers, click here • For YouTube Videos: 1 , 2 *Choose relevant sessions	• Network 102, 103, Hybrid NW , VPC Deep dive + Other as you may discover	• Wiki pages for basics of various NW protocols • Reviews of exam by various people on Medium	Refer Exam Guide for list: https://qwiklabs.com/
Cloud Security Engineer	• Linux academy: 2, 3 • Coursera	(SRE Book Optional)	• For whitepapers, click here • For YouTube Videos: 1 , 2 *Choose relevant sessions	• Best Practices • Few from here.	• Reviews of exam by various people on Medium	Refer Exam Guide for list: https://qwiklabs.com/

Thank you
for your time

For any query, drop a mail to
ask.google@wipro.com