

Cloud Computing – GOOGLE CLOUD PLATFORM (G C P)



The Course

Google Cloud Platform is a suite of Public Cloud Computing Services. Computing, Data Storage, Data Analytics, Machine Learning, Networking, Big Data, IoT etc., are the services offered by Google Cloud Platform. Cloud Architect Essentials of GCP are nothing but the infrastructure to implement the Google Cloud Platform that are designed for implementing, deploying, migrating and maintaining applications in the cloud. Interacting with Google Cloud Platform explores how it could deliver better, high-level data analytics. Analytics lets all kinds of businesses gain real-time insights from massive amounts of data stored in the cloud and reduces IT involvement which is an on-demand, scalable resource.

The Eligibility

Passionate Technology Enthusiasts with a minimal knowledge on IT and Operating Systems.

Good to have basic knowledge on Windows, OS & IT Infrastructure.

The Rulepaper Promise

Our training methodologies promises to give the students hands on enterprise skills to delve deeper into the technologies from a practical and enterprise point of view. Extreme Hands-on-Lab with a self doable on the fly practical based training approaches makes transformation of the student from a novice to a capable experienced cloud computing engineer.



The Instructor

Enterprise Architect with huge experience on Private and Public Cloud Technologies. The trainers are advisors and members of larger Cloud Computing Forums and seasoned integrators of IT Cloud Computing technologies with more than 12+ years in global large enterprise giants.

Course Contents

Module 1

Introduction to Google Cloud Platform

Topics

- Welcome to Google Cloud Platform Cloud Architect Essentials
- Introduction to Linux Academy
- GCP Overview
- GCP Infrastructure
- Certification Overview
- Free Trial and Always Free Tier Overview
- Sign up for trial account

Module 2

Getting Started with Google Cloud Platform

Topics

- Organization and Projects
- Identity and Access Management (IAM)
- Interacting with Google Cloud Platform
- Tour of GCP Console
- Cloud Shell demo/gcloud commands
- API Explorer

Module 3

Google Compute Options

Topics

- Compute Options Comparison
- Bonus: Compute Options Decision Tree

Module 4

Google Compute Engine

Topics

- What is Infrastructure as a Service (IaaS)?
- Compute Engine Overview
- Basic Instance Management
- Instance Options
- gcloud and REST reference
- Connect to Linux Instance + more gcloudCommands
- Connecting to Windows Instance
- Editing Instance Specifications
- Creating, Editing, and Manipulating Disks
- Snapshots and Images
- Pre-emptible VM's, Instance Templates, and Groups
- Bonus: Cloud Launcher

Module 5

Networking

Topics

- Networking Overview
- Virtual Private Cloud (VPC)
- IP Addressing and Firewall Rules
- Operation and Management Tools

Course Contents

Module 6

Google App Engine

Topics

- App Engine and PaaS Overview
- App Engine Hands On
- App Engine Resources
- Cloud Endpoints

Module 7

Storage Options

Topics

- Google Cloud Storage Options
- Database Options – Closer Look
- Cloud Storage (Unstructured Data)
- Hands On – Cloud SQL
- Hands On – Bigtable
- Hands On – Cloud Spanner
- Hands On – Cloud Storage Buckets
- Hands On -Integrate Cloud Storage with App Engine
- Hands On – Cloud Storage with 3rd Party Application

Module 8

Google Container Engine

Topics

- What are Containers and Kubernetes?
- Google Container Engine
- Hands on with Container Engine

Module 9

Big Data and Machine Learning

Topics

- What is Big Data?
- GCP Big Data Services
- Big Query Demo
- Google Cloud Machine Learning Platform

The Duration

Duration of the Course is 40 hours.

The Lab Requirements

Students must bring their own laptops with basic configuration

The cost of the Training

Please send an email or contact us at enquiry@rulepaper.com to know more about the cost and next batch schedules.

The certifications

Once the training is completed the student have to enroll with GCP for getting certification and the cost is exclusive of this training . Certification is an optional or good to have future.