

Google Associate Cloud Engineer

About Course

Sunshine Learning & Technology's, Google Cloud certification Training is moulded by top industry experts to meet the industry benchmarks which gives you a strong foundation to appear for the Google Cloud Certified - Professional Cloud Architect exam. Training given by our experts will enable you to design, develop, and manage a robust, secure, and highly available cloud-based solution for your organizations needs. This Google Cloud course consists of demonstrations, assignments, MCQs, and a certification projects which will help you to master the concepts.

Google Associate Cloud Engineer Course Curriculum:

Introduction to Google Cloud Platform:-

Topics:

- Introduction to Cloud Computing
- Overview of Google Cloud Platform
- Useful Links and Documentation
- Google Cloud Platform Resource Overview : Compute
- Google Cloud Platform Resource Overview : Networking
- Google Cloud Platform Resource Overview : Storage
- Google Cloud Platform Resource Overview : Big Data and Artificial Intelligence
- Google Cloud Platform Resource Overview: Tools and Operations

Managing GCP:-

Topics:

- Managing Google Cloud Platform with Console
- Managing Google Cloud Platform with Command Line
- Google Cloud SDK Installation
- Understand gcloud, gsutil, and other Command-Line Tools
- Google Cloud Platform Projects and Billings
- Understand GCP Projects
- Project User Roles

Google Cloud Platform : Virtual Networks :-

Topics:

Global Footprint: Regions, Zones, and Edge Locations

- Virtual Private Cloud
- Cloud Load Balancing
- Virtual Private Network

Security & Identity Fundamentals:-

Topics:

- Overview of IAM
- IAM Service Account
- Identity Aware Proxy (IAP)
- Cloud KMS

Compute Services:-

Topics:

- Compute Engine and Virtual Machines
- Machine types in Compute Engines
- Compute options
- Disk options
- Advanced options in compute engine

Data Storage Services:-

Topics:

- Data Service Options
- GCP Storage
- Cloud SQL
- Cloud Spanner
- Cloud Datastore and Cloud Firestore
- Cloud Bigtable

Architecting with Google Kubernetes Engine:-

Topics:

- Monolithic and Microservice Architecture
- Containers
- Docker
- Kubernetes
- Google Kubernetes Engine
- Helm Package Manager

Application Development:-

Topics:

- Compute Service and App Engine
- Cloud Function
- Cloud Run
- Cloud VMware Engine

DevOps:-

Topics:

- DevOps
- Cloud Source Repository
- Jenkins with Google Cloud
- Cloud Logging Services
- Cloud Monitoring Service

Automation:-

Topics:

- Cloud Resources
- Configuration
- Template
- Deployment Manager

Big Data and AI Services:-

Topics:

- Managed Services
- Dataflow
- Pub/Sub
- BigQuery
- Datalab

Hardware Requirements:

Memory – Minimum 4 GB RAM

Processor – Intel Core i3 CPU @2.00 GHz or later

Storage – 250 GB HDD/SDD or later

Software Requirements:

Operating System – Windows 7 or later, Ubuntu 14 or later

Hands On:-

There will be separate Hands-On on separate topics.