

# Google Cloud Fundamentals for Solutions Architect

## **Course Overview**

This learning path guides you through a curated collection of concepts and explanation with real-world scenarios using Google Cloud technologies essential to the Cloud Fundamentals role.

**Duration:** 01 days / 08 hours

**Level:** Foundation

**Prerequisites:** There is no prerequisite for this learning path. Basic knowledge of Linux and Network administration is helpful but not mandatory.

**Course Outcome:** Learner will be prepared for understanding basic and core infrastructure concepts of **Google Cloud Platform**.

## **Table of Content**

### **Introducing Google Cloud**

- Benefits of Google Cloud
- Google Network Infrastructure
- IaaS vs. PaaS
- Google Cloud Services
- Google Cloud Regions and Zones
- Google Cloud Pricing

### **Resources and Access in the Cloud**

- Organizing Resources with Projects
- Identity and Access Management (IAM)
- Interacting with Google Cloud
- Billing and Cost Management

### **Virtual Machines and Networks in the Cloud**

- Google Compute Engine
- Virtual Networking
- Load Balancing
- Autoscaling
- Network Security
- VPC Networks

### **Storage in the Cloud**

- Cloud Storage
- Bigtable
- Cloud SQL
- Spanner
- Data Transfer

### **Containers in the Cloud**

- Introduction to Containers
- Kubernetes Basics
- Google Kubernetes Engine (GKE)