GGCL-18 - GOOGLE CLOUD ARCHITECT I

Categoria: **Google Cloud**

INFORMAZIONI SUL CORSO

Durata:	Categoria:	Qualifica Istruttore:	Dedicato a:	Produttore:
3 Giorni	Google Cloud	Docente Senior (min. 5 anni)	Professionista IT	PCSNET

OBIETTIVI

A Cloud Architect designs, builds, and manages robust, secure, and scalable cloud solutions to solve business challenges. This learning path provides the advanced knowledge and practical skills required for this role, preparing you to successfully design and manage enterprise solutions on Google Cloud.
Through a curated collection of courses and labs, you will gain real-world, applied experience with Google Cloud technologies. This path focuses on the essential skills for the Cloud Architect role, from designing and planning a cloud solution architecture to managing and provisioning the solution infrastructure.

PREREQUISITI

Aver frequentato i corsi Google Cloud Engineer I e II o aver acquisito conoscenze equivalenti.

CONTENUTI

Elastic Google Cloud Infrastructure: Scaling and Automation

- -Interconnecting Networks
- -Load Balancing and Autoscaling
- -Infrastructure Automation
- -Managed Services

Networking in Google Cloud: Fundamentals

- -VPC Networking Fundamentals
- -Sharing VPC Networks
- -Network Monitoring and Logging

Networking in Google Cloud: Network Architecture

- -Introduction to Network Architecture
- -Network Topologies

Networking in Google Cloud: Hybrid and Multicloud

- -Connectivity Options
- -Cloud VPN

Google Cloud Architecture: Design Principles

- -Introduction
- -Operational excellence
- -Security, privacy, and compliance
- -Reliability
- -Cost optimization
- -Performance optimization
- -Sustainability

Developing Applications with Cloud Run on Google Cloud: Fundamentals

- -Fundamentals of Cloud Run
- -Service identity and authentication
- -Application development, testing, and integration

Introduction to Data Engineering on Google Cloud

- -Data Engineering Tasks and Components
- -Data Replication and Migration
- -The Extract and Load Data Pipeline Pattern
- -The Extract, Load, and Transform Data Pipeline Pattern
- -The Extract, Transform, and Load Data Pipeline Pattern
- -Automation Techniques

Introduction to AI and Machine Learning on Google Cloud

- -AI foundations
- -Generative AI
- -AI development options
- -AI development worklow

AI Infrastructure: Introduction to AI Hypercomputer

Manage Security in Google Cloud

- -Security in Google Cloud: Series overview
- -Foundations of Google Cloud security
- -Managing workforce identity
- -Identity and Access Management

INFO

Materiale didattico: Materiale didattico in formato digitale
Costo materiale didattico: incluso nel prezzo del corso a Calendario
Natura del corso: Operativo (previsti lab su PC)