

Integrating Hybrid Clouds with Google Cloud (NA- IHCGC)

Course Description

Learn to implement a hybrid cloud solution with Google Cloud by using NetApp® Cloud Volumes ONTAP®. Connect a Virtual Private Cloud (VPC) and an on-premises data center to unify your infrastructure.

Use NetApp BlueXP to move data and manage storage in the hybrid cloud. Learn about how NetApp cloud services are integrated into BlueXP to provide enhanced data protection, security, and compliance. Learn to optimize capacity and performance of Cloud Volumes ONTAP.

Course Duration

2 days.

Prerequisites

- Integrated Hybrid Clouds Foundation
- Previous knowledge of Google Cloud and cloud computing concepts including: subscriptions, VPC, virtual machines (VMs), Google Cloud buckets, Classless Inter-Domain Routing (CIDR), and Network address translation (NAT).

Objectives

This course focuses on enabling you to do the following:

- Create a VPN connection between a public cloud network VPC and the on-premises data center
- Deploy a connector in the public cloud
- Deploy Cloud Volumes ONTAP in both a single-node and high-availability (HA) configuration
- Use NetApp BlueXP to administer NetApp Cloud Volumes ONTAP
- Review data protection options of NetApp Cloud Volumes ONTAP
- Analyze data tiering option from on-premises to cloud

Course Outline

Module 1: Google Cloud Essential Concepts

- Google Cloud networking and other concepts
- Terraform introduction

Module 2: Network Connectivity Options in Google Cloud

- Google Cloud virtual public cloud
- connectivity to an on-premises network

Module 3: Deploying a Connector

- Connector review

Module 4: NetApp Cloud Volumes ONTAP

- Cloud Volumes ONTAP use cases
- Cloud Volumes ONTAP architecture
- Deploying Cloud Volumes ONTAP
- Cloud Volumes ONTAP supported features

Module 5: Administration

- Provisioning storage review

Module 6: Protection

- Backup, Archive and Disaster Recovery
- Ransomware Protection

Module 7: Tiering

- Data tiering from on-premises to Google Cloud

Who Should Attend

Customers, partners, and employee