



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

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# Integrating Hybrid Clouds with Google Cloud

CODE:	LENGTH:	PRICE:
NEP_IHCGC	16 Hours (2 days)	£1,795.00

## Description

Learn how to implement a hybrid cloud solution with Google Cloud using the NetApp Cloud Volumes ONTAP® solution. Connect a Virtual Private Cloud (VPC) and an on-premises data center to unify your infrastructure. Use NetApp Console™ to move data and manage storage in the hybrid cloud. Discover how NetApp® cloud services integrate into NetApp Console to provide enhanced data protection, security, and compliance. Understand how to optimize the capacity and performance of Cloud Volumes ONTAP.

## Objectives

This course focuses on enabling you to do the following:

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

## Audience

Solutions engineer (SE), architect, support engineer, implementation engineer, professional services

## Prerequisites

- Integrated Hybrid Clouds Foundation (ILT)
- Knowledge of Google Cloud and cloud computing concepts, including subscriptions, VPC, virtual machines (VM), Google Cloud buckets, Classless Inter-Domain Routing (CIDR), and network address translation (NAT).

## Programme

This course includes the following modules, lessons, and exercises:

### Module 1: Google Cloud Essential Concepts

#### Lessons

- Google Cloud networking and other concepts
- Terraform introduction

#### Exercises

- Controlling cloud resources with a CLI
- Controlling ONTAP (on-premises) resources with NetApp PowerShell Toolkit
- Configuring resources in Google Cloud using Terraform
- Reviewing resources using Google Cloud Console

### Module 2: Network Connectivity Options in Google Cloud

#### Lessons

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

#### Exercises

- Connecting Google Cloud VPC to an onpremises network
- Verifying connectivity to the VMs
- Configuring on-premises DNS for Google Cloud (optional)
- Joining a Google Cloud VM to Active Directory in an on-premises environment (optional)

### Module 3: Deploying an agent

#### Lessons

- Agent review

#### Exercises

- Deploying an agent

### Module 4: NetApp Cloud Volumes ONTAP

#### Lessons

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

#### Exercises

- Deploying a single-node Cloud Volumes ONTAP instance with NFS
- Creating an SMB volume and accessing it from an SMB client
- Deploying a Cloud Volumes ONTAP HApair
- Performing failover and failback of the HApair of nodes

### Module 5: Administration

#### Lessons

- Provisioning storage review

#### Exercises

- Using NetApp Console for basic administration of Cloud Volumes ONTAP
- Administering the NetApp Console with rolebased access control (RBAC)

### Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
01 Sep 2026	Virtual Classroom	BST	English	Instructor Led Online		£1,795.00
02 Nov 2026	Virtual Classroom	GMT	English	Instructor Led Online		£1,795.00

### Additional Information

[This training is also available as onsite training. Please contact us to find out more.](#)