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
25 Feb 2027	Virtual Classroom	GMT	English	Instructor Led Online		£1,795.00
20 May 2027	Virtual Classroom	BST	English	Instructor Led Online		£1,795.00
05 Aug 2027	Virtual Classroom	BST	English	Instructor Led Online		£1,795.00
25 Nov 2027	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.