

Deploying and Managing Windows Workloads on Google Cloud Training

Course Outline

Module 01: Introducing Windows workloads on Google Cloud

- Overview of Google Cloud
- Options for Windows Workloads
- Windows Licensing in Google Cloud

Module 02: Identity for Windows workloads

- Overview of Cloud Identity
- Cloud Directory Sync
- Authentication Best Practices

Module 03: Migrating Windows Application VMs

- Migration types
- Choosing VMs to migrate
- Migrate for Compute Engine
- Migration Waves
- SQL Server on GCE
- HA for SQL Server

Module 04: Automating Deployments of Windows Workloads

- Infrastructure as code
- Terraform
- Cloud Marketplace

Module 05: Optimizing costs for Windows Applications

- Custom machines
- Premium images
- Patch management
- Sole tenants
- SQL Server on Linux

Module 06: Modernizing with Managed Services

- Introduction to Cloud SQL
- Deploying SQL Server on Cloud SQL
- Maintenance and backups on Cloud SQL
- Managed Service for Microsoft Active Directory

Module 07: Modernizing with Containers

- Introduction to containers
- Windows containers on GCE
- Introduction to GKE
- Creating a GKE cluster with Windows nodes
- Migrate for Anthos

Module 08: Cloud Operations with Windows Workloads

- Introduction to Operations Suite
- Introduction to Monitoring
- Compute Engine monitoring
- Cloud SQL monitoring
- GKE monitoring
- Introduction to Logging