

Google Cloud Infrastructure for AWS Professionals

Cursusduur: 2 Dagen Cursuscode: GO6541 Trainingsmethode: Virtual Learning

Beschrijving:

This is a course for cloud architects and engineers with existing AWS knowledge that compares Google Cloud solutions with AWS and guides professionals on their use.

In this course, you'll apply the concepts and technologies knowledge in AWS to explore the similarities and differences with concepts and technologies in Google Cloud. You'll get hands-on practice building and managing Google Cloud resources.

Products:

- Google Cloud VPN
- Google Cloud VPC
- Google Cloud Firewall
- Compute Engine
- Cloud Storage
- Cloud SQL
- Google Kubernetes Engine
- GKE Enterprise
- Cloud Operations

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Virtueel en Klassikaal™

Virtueel en Klassikaal™ is een eenvoudig leerconcept en biedt een flexibele oplossing voor het volgen van een klassikale training. Met Virtueel en Klassikaal™ kunt u zelf beslissen of u een klassikale training virtueel (vanuit huis of kantoor) of fysiek op locatie wilt volgen. De keuze is aan u! Cursisten die virtueel deelnemen aan de training ontvangen voor aanvang van de training alle benodigde informatie om de training te kunnen volgen.

Doelgroep:

Cloud architects or cloud engineers who are experienced with AWS cloud.

Doelstelling:

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| ■ After this course participants should be able to: | ■ Implement data storage services in Google Cloud. |
| ■ Explain best practices for the Google Cloud solutions that incorporate resources and access management in Google Cloud. | ■ Design a solution using Google Kubernetes Engine (GKE) for deploying applications in Google Cloud. |
| ■ Implement Google Cloud networks by using best practices for Cloud virtual private network (VPN), Virtual Private Cloud (VPC), and Google Cloud Firewall. | ■ Examine best practices for the deploying and monitoring of Google Cloud infrastructure. |
| ■ Create and customize virtual machine (VM) instances using Compute Engine. | ■ Identify the purpose and use cases for Cloud Run. |
| ■ Configure load balancers and autoscaling for VM instances. | |

Vereiste kennis en vaardigheden:

Familiarity with AWS terms and concepts

Examens en certificering

None

Vervolg cursussen:

No recommendation

Cursusinhoud:

Module 1: Resource and Access Management in Google Cloud

- Review the AWS resource hierarchy.
- Explore how IAM lets you apply policies that define who can do what on which resources in Google Cloud.
- Examine service account types and keys in Google Cloud.
- Navigate through Google Cloud console and Cloud Shell to perform basic tasks.

Module 2: Networking in Google Cloud

- Compare networking concepts in AWS and Google Cloud.
- Understand VPC networking on Google Cloud.
- Explain how Google Virtual Private Cloud (VPC) differs from AWS VPC.
- Create and configure Private Google Access and Cloud NAT.
- Determine which Google Cloud interconnect or peering service to use in specific circumstances.

Module 3: Virtual Machines in Google Cloud

- List the various CPU, GPU, and memory options for virtual machines.
- Explore Google Cloud images.
- Explain where you would want to use Spot VMs in Google Cloud.

Module 4: Load Balancing and Managed Instance Groups on Google Cloud

- Explain Cloud Load Balancing features in Google Cloud.
- Describe Managed Instance Groups and how to use them.
- Explain how to use Managed Instance Groups with Load Balancers.

Module 5: Storage in Google Cloud

- Explore storage options and use cases.
- Explore the features of Cloud SQL and Cloud Spanner.
- Learn about using Cloud Bigtable.

Module 6: Containers in Google Cloud

- Explain how containers can be utilized in Google Cloud.
- Provision a Kubernetes cluster using GKE.
- Explain how Deployments are used in Kubernetes.
- Identify the purpose of hybrid and multi-cloud computing with GKE Enterprise.

Module 7: Applications in Google Cloud

- Describe how Cloud Run Functions can support application development.
- Deploy a containerized application on Cloud Run.

Module 8: Monitoring in Google Cloud

- Describe Google Cloud's operations suite.
- Create charts, alerts, and uptime checks for resources with Cloud Monitoring.
- Describe system metrics collection in GKE.

Extra informatie:

Official course book provided to participants

Nadere informatie:

Neem voor nadere informatie of boekingen contact op met onze Customer Service Desk 030 - 60 89 444

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