Google Cloud Fundamentals: Core Infrastructure

Varighed: 1 Day   Kursus Kode: GO8324   Leveringsmetode: Virtuel deltagelse

Beskrivelse:

This one-day instructor-led class provides an overview of Google Cloud products and services. Through a combination of presentations, demonstrations and hands-on labs, participants learn the value of the Google Cloud and how to incorporate cloud-based solutions into business strategies.

Målgruppe:

This class is intended for the following profiles:
People who plan to deploy applications and build application environments on the Google Cloud .
Developers, system operations professionals, and solution architects who are starting to work with the Google Cloud .
Executives and business decision makers who are evaluating the potential of the Google Cloud to meet their business needs.

Agenda:

- This course teaches participants the following skills:

- Identify the purpose and value of Google Cloud products and services.

- Interact with Google Cloud services

- Describe the ways in which customers have used the Google Cloud

- Choose from and use Google Cloud Platform application deployment environments: Google App Engine, Google Kubernetes Engine, and Google Compute Engine

- Choose from and use Google Cloud storage options: Google Cloud Storage, Google Cloud SQL, Google Cloud Bigtable and Google Cloud Datastore

- Make basic use of BigQuery, Google's managed data warehouse for analysis.

- Make basic use of Cloud Deployment Manager, Google's tool for creating and managing cloud resources through templates.

- Make basic use of Google Stackdriver, Google's monitoring, logging and diagnostic system.

Forudsætninger:

Familiarity with the Linux command line, web servers and text editors

Indhold:

Module 1: Introducing the Google Cloud

Explain the advantages of the Google Cloud .

Define the components of Google's network infrastructure, including: Points of Presence, data centers, regions and zones.

- Understand the difference between infrastructure as a service (IaaS) and platform as a service (PaaS).

Module 2: Introduction to the Google Cloud

Identify the purpose of projects on the Google Cloud .

Understand the purpose and use cases of identity and access management.

List the methods of interaction with the Google Cloud .

Lab: Introduction to the Google Cloud .

Module 3: Virtual Machines and Cloud Networks

Identify the purpose and use cases of Google Compute Engine.

Understand the various operational and network tools and services of the Google Cloud .

- Lab: Compute Engine

Module 4: Cloud Storage

Understand the purpose of cases and use them to: Google Cloud Storage, Google Cloud SQL, Google Cloud Bigtable and Google Cloud Datastore.

Learn how to choose between the different storage options in the Google Cloud .

Lab: Cloud storage and cloud SQL

Module 5: Cloud Containers

Define the concept of container and identify the uses of containers.

Identify the purpose and use cases of Google Kubernetes Engine and Kubernetes.

Lab: Kubernetes Engine

Module 6: Cloud Applications

Understand the purpose and use cases of Google App Engine.

Contrast the Standard App Engine environment with the Flexible App Engine environment.

Understand the purpose and use cases of Google Cloud Endpoints.

Lab: Application engine

Module 7: Development, Implementation and Monitoring in the Cloud

Understand the options software developers have for hosting their source code.

Understand the purpose of template-based resource creation and management

Understand the purpose of integrated monitoring, alerting and debugging.

Lab: Deployment Manager and Stackdriver

Module 8: Great data and machine learning in the cloud

Understand the purpose and use cases of products and services on large data learning platforms and Google Cloud machines.

Lab: BigQuery

Flere Informationer:

For yderligere informationer eller booking af kursus, kontakt os på tlf.nr.: 44 88 18 00

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