

Google Cloud Fundamentals

Course number: 094009

Course length: 1.0 day(s)

Course Description

Cloud computing enables an organization to increase capacity or add capabilities on the fly, without necessarily requiring considerable investment in infrastructure, new personnel, or software. With a carefully planned migration to cloud services, organizations can provide themselves with greater flexibility, additional capability, and potential cost savings. Google is one of the major players among cloud vendors, offering a wide variety of cloud services. In this course, you will learn the capabilities of Google's cloud offerings and will identify a process for migrating your current systems, data, and users to them.

Target Student: This course is designed for managers, information technology administrators, programmers, and other decision-makers who plan to migrate their organization's infrastructure and applications to the Google Cloud computing platform.

Course Objectives

In this course, you will identify the capabilities of Google's cloud offerings and develop a plan for migrating your current systems, data, and users to them.

You will:

- Identify and describe potential costs and benefits of a Google Cloud computing implementation.
- Employ strategies to migrate users and systems to the Google Apps™ cloud-based productivity suite.
- Employ strategies to utilize the storage capabilities provided by Google Apps and the Google Cloud Platform within your organization.
- Employ strategies to migrate applications to the Google Cloud Platform.
- Identify and describe steps in a cloud migration project plan.



Course Content

Lesson 1: Initiating a Cloud Migration

Topic A: Google Cloud Computing

Topic B: Cloud Computing Costs and Benefits

Lesson 2: Migrating to the Google Apps Productivity Suite

Topic A: Migrate Users to the Google Apps Productivity Suite

Topic B: Migrate Systems and Data to the Google Apps Productivity Suite

Lesson 3: Migrating to Cloud-Based Storage

Topic A: Cloud-Based Storage Options

Topic B: Google Drive

Topic C: Migrate Web Application Data to the Cloud

Lesson 4: Migrating Applications to Google Cloud

Topic A: Google App Engine

Topic B: Google Compute Engine

Lesson 5: Managing a Cloud Migration Project

Topic A: Develop a Cloud Project Plan

Topic B: Begin a Cloud Project

Topic C: Identify and Manage Risks

Topic D: Plan and Design a Cloud Solution

Topic E: Implement a Cloud-Based Solution

Topic F: Test, Roll Out, and Maintain a Cloud-Based Solution

