

Essentials of Cloud Asset Management

Course Description

This course provides an overview of cloud asset management, covering best practices, tools and technologies, and security considerations. Participants will learn about the different types of cloud computing, cloud service models, and the cloud asset lifecycle, including acquisition, deployment, monitoring, maintenance, and retirement. The course also covers key security risks and threats associated with cloud assets and best practices for cloud security.

Audience

This course is designed for professionals who work with cloud assets, such as cloud administrators, IT managers, cloud architects, and security professionals. It is also suitable for individuals interested in understanding the fundamentals of cloud asset management.

Pre-requisite Knowledge/Skills

Participants should have a basic understanding of cloud computing and IT infrastructure.

Course Objectives

By the end of the course, learners should be able to:

- Understand the concept of cloud asset management and its importance.
- Identify the different types of cloud computing and service models.
- Implement best practices for cloud asset management, including roles and responsibilities, policies, and procedures.
- Utilize cloud asset management tools and technologies for asset tracking, monitoring, and maintenance.
- Manage the cloud asset lifecycle, from acquisition to retirement.
- Understand key security risks and threats associated with cloud assets and implement best practices for cloud security.

Course Outline

The course comprises 8-hours of theory and labs.

Module Number	Topic
Module 1	Introduction to Cloud Asset Management
-	Definition of cloud asset management
-	Importance of cloud asset management
-	Benefits of cloud asset management
-	Cloud asset management vs traditional asset management

Module 2	Cloud Computing and its Types
-	Overview of cloud computing
-	Types of cloud computing (public, private, hybrid)
-	Cloud service models (IaaS, PaaS, SaaS)
Module 3	Cloud Asset Management Best Practices
-	Best practices for cloud asset management
-	Roles and responsibilities for cloud asset management
-	Policies and procedures for cloud asset management
Module 4	Cloud Asset Management Tools and Technologies
-	Overview of cloud asset management tools and technologies
-	Features and functionalities of cloud asset management tools
-	Integration with other cloud management tools
Module 5	Cloud Asset Lifecycle Management
-	Overview of cloud asset lifecycle management
-	Cloud asset acquisition and deployment
-	Cloud asset monitoring and maintenance
-	Cloud asset retirement and disposal
Module 6	Cloud Asset Security
-	Overview of cloud asset security
-	Cloud security risks and threats
-	Cloud security best practices
-	Cloud security compliance and regulations