

OVERVIEW

The dynamic business environment today may increase IT demands tremendously. And, you need to meet the demands to ensure the survival of your organization in the market. Needless to say, you must make plans to meet the demands within limited resources of finance, people, and technology. This is exactly what cloud computing can provide to your business. In this course, you will weigh the pros and cons of cloud computing to make effective decisions in meeting the IT challenges.

With IT woven into the effective functioning of every business, there is a greater dependency on the ready availability and deployability of IT infrastructure. Cloud computing offers solutions that enable businesses optimize their IT usage. Therefore, it is critical that every IT and business specialist gains insight into the advantages and disadvantages offered by this business computing model.

XTREME LABS



COMPTIA CLOUD ESSENTIALS

COURSE DURATION: 2 DAYS

COURSE OBJECTIVES

In this course, you will weigh the pros and cons of cloud computing to make effective decisions and meet IT challenges.

You will:

- Learn the fundamental concepts of cloud computing.
- Learn the business aspects and impact of cloud computing.
- Differentiate the types of cloud solutions and the adoption measures needed for each.
- Identify the technical challenges and the mitigation measures involved in cloud computing.
- Identify the steps to successfully adopt cloud services.
- Identify the basic concepts of ITIL and describe how the ITIL framework is useful in the implementation of cloud computing in an organization.
- Identify the possible risks involved in cloud computing and the risk mitigation measures, and you will also identify the potential cost considerations for the implementation of cloud and its strategic benefits.

TARGET STUDENT

This course is relevant to IT specialists, IT technical services specialists, IT relationship managers, IT architects, consultants, business and IT management, business process owners, and analysts.

PREREQUISITES

This course is the first step on a training path that can lead to a technical career dealing with cloud computing. CompTIA recommends that a candidate have at least six months of experience in an IT environment, with direct involvement in IT-related tasks, responsibilities and/or decision-making.

COURSE CONTENT

Lesson 1: Introduction to Cloud Computing

- Overview of Cloud Computing
- Evolution of the Cloud
- Specialized Cloud Services

Lesson 2: Business Value of Cloud Computing

- Business Need for Cloud Computing
- Cloud Scalability
- Cloud Security
- Impact of Cloud Computing on Business

Lesson 3: Technical Perspectives of Cloud Computing

- The Cloud Deployment Models
- Network Requirements for Cloud Deployment
- Automation and Self-Service in Cloud Computing
- Federated Cloud Services
- Standardization

Lesson 4: Technical Challenges of Cloud Computing

- Cloud Storage
- Application Performance
- Data Integration
- Security Risks and Mitigation
- Application Architecture and the Development Process

Lesson 5: Steps to Successful Adoption of Cloud Services

- Steps to Adopting Cloud Services
- Organizational Capability to Adopt Cloud Services
- Cloud Vendor Roles and Capabilities
- Migrating Applications to the Cloud

Lesson 6: ITIL and Cloud Computing

- Overview of ITIL
- Planning Service Strategy
- Designing Cloud Service
- Transitioning to Live Environment
- Running a Cloud Service Operation
- Continual Service Improvement with the Cloud

Lesson 7: Identifying Risks and Consequences

- Organizational Risks
- Technical Risks
- Legal Risks
- Cost Evaluation for Cloud Computing
- Identify Maintenance Aspects of Strategic Flexibility