

Module Title : **Course CompTIA : CompTIA Cloud Essential Certification**

Duration : **3 days**

Course Description

In this course, you will address the business and technical perspectives of cloud computing. You will learn how to adopt, operate, and govern the cloud. This course helps you to successfully complete the associated CompTIA Cloud Essentials exam to become CompTIA Cloud Essentials certified.

Through scenario-driven learning, you will learn to apply the principles in a realistic setting. Role-play activities present a real-world connection using situations that can occur in your day-to-day life.

The course materials are accredited by the Cloud Credential Council, marked as CompTIA approved quality content and registered with the Project Management Institute.

Audience

- IT management, support staff, and consultants
- Business managers and analysts
- Small and midsize business owners
- Specialists (IT, security, infrastructure, services, systems, and test)
- Business process owners
- IT developers
- Service providers
- System integrators
- Architects

Prerequisites

Experience in the IT domain

Objectives

- Common terms and definitions of cloud computing
- Business benefits and considerations of cloud computing
- Cloud computing from a technical perspective and the various techniques, methods, challenges, and types of clouds
- Impact and changes of cloud computing on IT service management

- Steps that lead to the successful adoption of cloud computing and the implications for organizations
- Compliance, risk, and regulatory consequences of cloud computing and its financial and strategic impact

Upon successful completion of this course, students will be able to:

- 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.

Course Outline

An introduction to Cloud Computing

- General Overview of Cloud Computing
- The Evolution of the Cloud
- Specific and Specialized Cloud Services

The Business Value of the Cloud

- A Business' Need for the Cloud
- Scalability of the Cloud
- Security of the Cloud
- Impact of the Cloud on Business

The Technical Perspectives of the Cloud

- Various Cloud Deployment Models
- Cloud Deployment's Network Requirements
- Self Service and Automation in the Cloud Federation
- Standardization
- The Technical Challenges of Computing in the Cloud
- Cloud Storage
- Application Performance
- Integration of Data
- Security Mitigation and Risks
- The Application Architecture and Involved Development Process

Steps to the Successful Adoption of Cloud Based Services

- Steps to Adopting Various Cloud Services
- An Organization's Capability to Adopt Various Cloud Services
- Cloud Vendor Capabilities and Roles
- Migrating Various Applications to the Cloud

Cloud Computing and ITIL

- General Overview of ITIL
- Planning A Service Strategy
- Designing Various Cloud Services
- Transitioning to A Live Environment
- How to Run a Cloud Service Operation
- Continual Improvement of Service with the Cloud

Identifying Various Consequences and Risks

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

Agenda for CCE - Course for Non IT (21 – 23 Sept 2020)

CompTIA Cloud Essentials+ (3 days)

- 20 pax, classroom at Iverson, PJ. (JOS)

Item	Course for Non IT
Day 1 (21 Sep) 0830-0900 AM	Attendance registration
0900 AM	Morning Session start <ul style="list-style-type: none">- Introduction of Trainer- Pre-test & result- An introduction to Cloud Computing
1030 – 1045 AM	Morning tea break
1046 – 1200 PM	Continue Morning Session
1200 – 0100/0200 PM	Lunch
0110 – 0330 PM	Afternoon Session <ul style="list-style-type: none">- The Business Value of the Cloud
0330 – 0345 PM	Afternoon Tea Break
0346 – 0500 PM	Continue Afternoon Session <ul style="list-style-type: none">- The Technical Perspectives of the Cloud

Item	Course for Non IT
Day 2 (22 Sep) 0830-0900 AM	Attendance registration
0900 AM	Morning Session start <ul style="list-style-type: none">- The Technical Perspectives of the Cloud
1030 – 1045 AM	Morning tea break
1046 – 1200 PM	Continue Morning Session

1200 – 0100/0200 PM	Lunch
0110 – 0330 PM	Afternoon Session - Steps to the Successful Adoption of Cloud Based Services
0330 – 0345 PM	Afternoon Tea Break
0346 – 0500 PM	Continue Afternoon Session - Steps to the Successful Adoption of Cloud Based Services

Item	Course for Non IT
Day 3 (23 Sep) 0830-0900 AM	Attendance registration
0900 AM	Morning Session start - Steps to the Successful Adoption of Cloud Based Services
1030 – 1045 AM	Morning tea break
1046 – 1200 PM	Continue Morning Session
1200 – 0100/0200 PM	Lunch
0110 – 0330 PM	Afternoon Session - Cloud Computing and ITIL
0330 – 0345 PM	Afternoon Tea Break
0346 – 0500 PM	Continue Afternoon Session - Cloud Computing and ITIL - Post-Test & Result