Current Technologies
Computer Learning Centers

CompTIA.

6210 Central Ave, Portage, IN. 46368   Phone: 219.764.3800   Fax: 219.764.3805   Web: http://www.ctclc.com

CompTIA Cloud Essentials+

This course is designed for IT professionals who wish to develop cloud computing skills to enable them to move IT workloads to the cloud and integrate products and services from different providers and industries. Their focus is to ensure that cloud deployments are secure, that automation and orchestration are used effectively to bring business value from the cloud, and that costs are controlled through effective management of cloud vendors.

How you'll benefit

This class will help you:

- Learn fundamentals of cloud computing

Why Attend with Current Technologies CLC

- Our Instructors are in the top 10%
- Our Lab has a dedicated 1 Gig Fiber Connection for our Labs
- Our Labs Run up to Date Code for all our courses

Objectives

Upon completing this course, the student will be able to meet these objectives:

- Prepare to deploy cloud solutions
- Understand the fundamental concepts of cloud computing
- Understand the business aspects and impact of cloud computing
- Be able to differentiate the types of cloud solutions and the adoption measures needed for each
- Be able to identify the technical challenges and the mitigation measures involved in cloud computing
- Be able to 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
- Be able to identify the possible risks involved in cloud computing and the risk mitigation measures, as well as identify the potential cost considerations for the implementation of cloud and its strategic benefits

Course Duration
3 day
Course Price
$1,895.00
Methods of Delivery
• Instructor Led
• Virtual ILT
• On-Site
Certification Exam
CV0-002

Who Should Attend

The job roles best suited to the material in this course are:

CompTIA Cloud Essentials+

- This course is designed for IT professionals who wish to develop cloud computing skills to enable them to move IT workloads to the cloud and integrate products and services from different providers and industries. Their focus is to ensure that cloud deployments are secure, that automation and orchestration are used effectively to bring business value from the cloud, and that costs are controlled through effective management of cloud vendors.

- Business professionals and non-IT staff who require the essential business acumen needed to make informed cloud service decisions.

Perquisites

To fully benefit from this course, you should have the following knowledge:

- It is recommended that you have between six months to a year of work experience as a business analyst in an IT environment with some exposure to cloud technologies.

Outline

Module 1: Preparing to Deploy Cloud Solutions

- Describe Interaction of Cloud Components and Services
- Describe Interaction of Non-Cloud Components and Services
- Evaluate Existing Components and Services for Cloud Deployment
- Evaluate Automation and Orchestration Options
- Prepare for Cloud Deployment

Module 2: Deploying a Pilot Project

- Manage Change in a Pilot Project
- Execute Cloud Deployment Workflow
- Complete Post-Deployment Configuration

Module 3: Testing Pilot Project Deployments

- Identify Cloud Service Components for Testing
- Test for High Availability and Accessibility
- Perform Deployment Load Testing
- Analyze Test Results

Module 4: Designing a Secure and Compliant Cloud Infrastructure

CompTIA Cloud Essentials+

- Design Cloud Infrastructure for Security
- Determine Organizational Compliance Needs

Module 5: Designing and Implementing a Secure Cloud Environment
- Design Virtual Network for Cloud Deployment
- Determine Network Access Requirements
- Secure Networks for Cloud Interaction
- Manage Cloud Component Security
- Implement Security Technologies

Module 6: Planning Identity and Access Management for Cloud Deployments
- Determine Identity Management and Authentication Technologies
- Plan Account Management Policies for the Network and Systems
- Control Access to Cloud Objects
- Provision Accounts

Module 7: Determining CPU and Memory Sizing for Cloud Deployments
- Determine CPU Size for Cloud Deployment
- Determine Memory Size for Cloud Deployment

Module 8: Determining Storage Requirements for Cloud Deployments
- Determine Storage Technology Requirements
- Select Storage Options for Deployment
- Determine Storage Access and Provisioning Requirements
- Determine Storage Security Options

Module 9: Analyzing Workload Characteristics to Ensure Successful Migration
- Determine the Type of Cloud Deployment to Perform
- Manage Virtual Machine and Container Migration
- Manage Network, Storage, and Data Migration

Module 10: Maintaining Cloud Systems
- Patch Cloud Systems
- Design and Implement Automation and Orchestration for Maintenance

CompTIA Cloud Essentials+

Lesson 11: Implementing Backup, Restore, Disaster Recovery, and Business Continuity Measures

- Back Up and Restore Cloud Data
- Implement Disaster Recovery Plans
- Implement Business Continuity Plans

Lesson 12: Analyzing Cloud Systems for Performance

- Monitor Cloud Systems to Measure Performance
- Optimize Cloud Systems to Meet Performance Criteria

Lesson 13: Analyzing Cloud Systems for Anomalies and Growth Forecasting

- Monitor for Anomalies and Resource Needs
- Plan for Capacity
- Create Reports on Cloud System Metrics

Lesson 14: Troubleshooting Deployment, Capacity, Automation, and Orchestration Issues

- Troubleshoot Deployment Issues
- Troubleshoot Capacity Issues
- Troubleshoot Automation and Orchestration Issues

Lesson 15: Troubleshooting Connectivity Issues

- Identify Connectivity Issues
- Troubleshoot Connectivity Issues

Lesson 16: Troubleshooting Security Issues

- Troubleshoot Identity and Access Issues
- Troubleshoot Attacks
- Troubleshoot Other Security Issues

2022 Current Technologies CLC