



NCTA Cloud Technologies

Class Code: CT-NCTAT

Who should attend

This course is designed for system administrators or prospective system administrators who have one year of experience working with Windows Server or other server platforms and who want to develop their evaluation, selection and implementation skills for cloud services.

Prerequisites

To ensure your success in this course, you should have experience with basic client and server deployment, configuration and use. This includes configuring network connectivity, configuring server and client communications, installing Windows or Linux servers, using administrative tools, configuring system properties and configuring networking settings. You can obtain this level of skills and knowledge by taking the following course:

[CompTIA® Network+®](#) (Exam N10-006)

In addition, experience in the administration of specific operating system technologies may be helpful, including any or all of the following courses:

- CompTIA® Linux+™ Powered by LPI (Exams LX0-103 and LX0-104)
- Microsoft® Windows Server® 2012 R2: Installation and Configuration (Exam 70-410)
- Microsoft® Windows Server® 2012 R2: Administration (Exam 70-411)

Course Objectives

- Identify the benefits of cloud computing
- Select end-user cloud technologies
- Support the business case for cloud computing
- Apply cloud computing models
- Integrate cloud services
- Select and implement free SaaS solutions
- Select and implement paid SaaS solutions
- Select SaaS solutions for medium to enterprise businesses
- Integrate SaaS solutions
- Select PaaS solutions
- Select IaaS solutions

Course Content

To be a cloud technologist, and eventually a cloud master, you must understand common technologies, benefits and trends that are drawing businesses and organizations of all types to use cloud services. In this course, you will learn that fundamental information and will be able to apply those concepts to evaluating, selecting, planning and implementing cloud Software-as-a-Service (SaaS) solutions. In doing so, you will identify common barriers to adoption, and strategies that can avoid common cloud implementation pitfalls. You will exit this course well-versed in the different types of SaaS solutions that businesses of all sizes use and have the skill to compare, evaluate and recommend which services are the best choice in a given scenario.

Cloud Computing is the #1 most in-demand skill for 2017*

Earn the NCTA CloudMASTER® certification to prove your skills across cloud vendors like Amazon Web Services, Microsoft Azure, Office 365, Google Apps, and more.

www.thencta.com

*businessinsider.com

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**CLOUD
ADOPTION
CHALLENGE**

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Class Outline

Detailed Course Outline

Module 1: Identifying Benefits of Cloud Computing

- Business Needs
- Business Trends
- Cloud Service Models and Implementations
- Emerging Trends in Cloud
- Cloud Provider Benefits and Challenges

Module 2: Selecting End-User Cloud Technologies

- Native Applications
- Web Applications

Module 3: Planning Cloud Adoption

- Cloud Access and Management
- Cloud Provisioning

Module 4: Addressing Barriers to Cloud Implementation

- Concerns
- Challenges
- Compliance Concerns
- Vendor Lock-in Concerns

Module 5: Selecting and Implementing Free SaaS Solutions

- Evaluating
- Implementing

Module 6: Selecting and Implementing Paid SaaS Solutions

- Identifying Corporate SaaS Requirements
- Implementing a Paid SaaS Solution

Module 7: Planning for Cloud Service Migration

- Domain Name
- Migrating Email

Module 8: Selecting SaaS Solutions for Small Businesses

- Accounting Solutions
- Storage Solutions
- Other Solutions

Module 9: Selecting SaaS Solutions for Medium and Enterprise Businesses

- CRM Solutions
- Marketing Solutions

Module 10: Integrating SaaS Solutions

- Business Needs
- Integration Options

Module 11: Selecting PaaS Solutions

- Evaluating
- Implementing

Module 12: Selecting IaaS Solutions

- Comparing IaaS to Traditional Infrastructure Solutions
- Selecting IaaS Providers