

## NCTA Cloud Technologies

### Overview

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This course is an overview of cloud computing that will help the student develop a deep understanding of the models and understand the landscape of technologies used in the cloud and those employed by users of cloud services.

### Prerequisites

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- CompTIA Network+ Certification
- CompTIA Linux+ Certification

### Prerequisite Comments

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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.

### Target Audience

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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, including Software as a Service (SaaS) solutions, Platform as a Service (PaaS) solutions, and Infrastructure as a Service (IaaS) solutions that target businesses of all sizes.

### Course Outline

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#### 1 - Identifying Business Benefits of Cloud Computing

Topic A: Application of Cloud Computing Models to Business Needs  
Topic B: Analyze Business Trends in Cloud Computing  
Topic C: Evaluate Cloud Service Models and Implementations  
Topic D: Identify Emerging Trends in Cloud

#### 2 - Selecting End-User Cloud Technologies

Topic A: Select Native Applications  
Topic B: Select Web Applications

### **3 - Supporting the Business Case for Cloud Computing**

Topic A: Business Benefits and Concerns  
Topic B: Provider Benefits and Challenges  
Topic C: Plan Cloud Resource Provisioning

### **4 - Applying Cloud Computing Models**

Topic A: Applying Cloud Models at the Provider  
Topic B: Implement Cloud Models at the Customer  
Topic C: Address Challenges in Cloud Implementations

### **5 - Integrating Cloud Services**

Topic A: Plan Domain Name Integration with Cloud Services  
Topic B: Implement Cloud Service Access

### **6 - Selecting and Implementing Free Software as a Service (SaaS) Solutions**

Topic A: Select SaaS for Personal Use  
Topic B: Implement a Free SaaS Solution

### **7 - Selecting and Implementing a Paid SaaS Solution**

Topic A: Identify Corporate SaaS Requirements  
Topic B: Select a Paid SaaS Solution  
Topic C: Implement a Paid SaaS Solution

### **8 - Selecting SaaS Solutions for Small Businesses**

Topic A: Select SaaS Accounting Solutions  
Topic B: Select SaaS Storage Solutions  
Topic C: Select SaaS Project Management Solutions  
Topic D: Select Other Small Business SaaS Solutions

### **9 - Selecting SaaS Solutions for Medium-sized to Enterprise Businesses**

Topic A: Select SaaS CRM Solutions  
Topic B: Select SaaS Marketing Solutions  
Topic C: Select SaaS Enterprise Resource Planning Solutions

### **10 - Integrating SaaS Solutions**

Topic A: Determine Business Needs for SaaS Integration  
Topic B: Integrate SaaS Solutions

## 11 - Selecting a Platform as a Service (PaaS) Solutions

Topic A: Evaluate PaaS Solution Benefits

Topic B: Select PaaS Solutions for Small Business

Topic C: Select PaaS Solutions for Medium and Enterprise Businesses

## 12 - Selecting Infrastructure as a Service (IaaS) Solutions

Topic A: Compare IaaS to Traditional Infrastructure Solutions

Topic B: Select IaaS Providers

## Related Courses, Certifications, Exams

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- CompTIA Network+ Certification (Exam N10-007)
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