



Official CompTIA Content
for Instructor-Led Training:

CompTIA Cloud+

Official CompTIA Content for Instructor-Led Training is designed with the instructor in mind, providing insights and tools for successfully training learners pursuing their CompTIA Cloud+ certification.

Overview

The Official CompTIA Cloud+ Guide (Exam CV0-002) will give students the skills necessary to evaluate and implement standard cloud deployments. Students will use cloud technologies, including network, storage, and virtualization components, to create cloud solutions. Students will also manage workload migrations, manage cloud vendors to control costs, use automation and orchestration to bring business value from cloud solutions, and ensure cloud security. It provides full coverage of the objectives for the CompTIA Cloud+ certification and will help prepare students to take the exam.

Official Content:

- The Official CompTIA Cloud+ Instructor Guide (Exam CV0-002)
- The Official CompTIA Cloud+ Student Guide (Exam CV0-002)
- CompTIA CHOICE Digital Learning Platform
 - Online resources included with purchase of Guides
- CompTIA Cloud+ (Exam CV0-002) CompTIA Labs

Why is Official CompTIA Content different?

- **For exam takers, by the exam developer** - Official CompTIA Content is the only study material exclusively developed by CompTIA for the CompTIA certification candidate.
- **Complete Library** - No other content library covers all exam objectives for all certifications. It provides complete breadth, depth and currency of material unavailable with competitors.
- **Developed with the instructor in mind** - Official CompTIA Content's focus on instruction is unique, providing instructors ease and flexibility to teach to any audience within any modality.

Key Features and Benefits

- **Designed and Class-tested for Instructor-Led Training** using proven instructional design. Topics are presented in a hierarchy that offers knowledge, procedural tasks and hand-on activities that require students put knowledge into practice. This approach keeps student engaged and ensures success.
- **Comprehensive instructor resources enhanced through CompTIA CHOICE platform** ensures a successful course delivery. Resources to download include:
 - **Course setup** notes describe hardware and software requirements
 - Course-specific **delivery tips** with insights to deliver the course material
 - **Presentation planners** help plan and schedule course based on different course lengths
 - **PowerPoint slides**
 - **Facilitator notes** in instructor manual
 - **Solutions** to activities and discussions
- **Comprehensive student resources enhanced through CompTIA CHOICE platform** engages students by providing:
 - **Classroom**: A link to the training provider's classroom environment
 - **eBook**: An interactive online version of the book, along with secure PDF and downloadable versions
 - **Files**: Any course files available to download
 - **Videos**: Brief animated videos that enhance and extend the classroom learning experience
 - **Assessment**: Questions designed for self-assessment of the course content
 - **Checklists**: Step by step procedures for recurring IT tasks that are part of the course objectives and as post-class references
 - **Links**: Helpful links to certification exam information, CompTIA's IT Careers blog, and additional resources for test prep
 - **Locker**: A resource allowing for secure file exchange with students
- **Focused on job roles and 100% coverage of exam objectives** means content is practical, based on real performance scenarios. In addition, content is aligned to certification exam objectives.
- **Active Learning** is integrated with one activity per topic designed to enable students to practice guidelines and procedures as well as solidify understanding of the informational material presented in the course.
- **Flexible and customizable based on course format** whether the course is co-located or remote, synchronous or asynchronous. Class resources can be easily configured based on modality.

Lab option

- CompTIA Labs hosted by Learn on Demand Systems allow students to learn in actual software applications through a remote lab environment. Labs allow students to practice what they are learning using real, hands-on experiences. Students have access to the software environment for 6 months after a CompTIA Labs access key is redeemed, providing a fantastic post-class resource for students to practice their skills.

Exam Prep option

- CertMaster Practice is an online knowledge assessment and remediation tool designed to help students feel more confident and prepared for their CompTIA exam.

Course Overview



This course is for students who are preparing for the CompTIA Cloud+ certification exam CV0-002.

The course is intended 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. The 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.

Job Roles

- Systems Administrator
- Network Administrator
- Systems Engineer
- Network Engineer
- Cloud Developer
- Project Manager, Cloud
- Cloud Engineer
- Cloud Specialist
- Computing Services Manager, Data Center SANs
- Business Analyst, Cloud Computing

Prerequisites

Students should have 24-36 months' experience with IT networking, network storage, and data center administration. Students should also have familiarity with any major hypervisor technologies for server virtualization, basic knowledge of common cloud service models, and common cloud deployment models.

Course content summary

- **Lesson 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
- **Lesson 2: Deploying a Pilot Project:** Manage Change in a Pilot Project • Execute Cloud Deployment Workflow • Complete Post-Deployment Configuration
- **Lesson 3: Testing Pilot Project Deployments:** Identify Cloud Service Components for Testing • Test for High Availability and Accessibility • Perform Deployment Load Testing • Analyze Test Results
- **Lesson 4: Designing a Secure and Compliant Cloud Infrastructure:** Design Cloud Infrastructure for Security • Determine Organizational Compliance Needs
- **Lesson 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
- **Lesson 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
- **Lesson 7: Determining CPU and Memory Sizing for Cloud Deployments:** Determine CPU Size for Cloud Deployment • Determine Memory Size for Cloud Deployment
- **Lesson 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
- **Lesson 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
- **Lesson 10: Maintaining Cloud Systems:** Patch Cloud Systems • Design and Implement Automation and Orchestration for Maintenance
- **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



Purchase Everything in One Place

Official CompTIA Content is available on the CompTIA Store at store.comptia.com, which means partners will be able to obtain Official CompTIA Content, CompTIA CertMaster products and exam vouchers all in one place.

Please contact your CompTIA business development representative for more information.