

Official CompTIA learning resources
for Instructor-Led Training:

CompTIA Cloud+

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

OVERVIEW

The Official CompTIA Cloud+ Instructor and Student Guides (CV0-003) have been developed by CompTIA for the CompTIA certification candidate. Rigorously evaluated to validate coverage of the CompTIA Cloud+ (CV0-003) exam objectives, The Official CompTIA Cloud+ Instructor and Student Guides teach the knowledge and skills to understand cloud architecture and design, deploy cloud services and solutions, successfully maintain, secure, and optimize a cloud environment, troubleshoot common cloud management issues, and prepare candidates to take the CompTIA Cloud+ certification exam.

OFFICIAL LEARNING RESOURCES FOR CLOUD+ CV0-003

- CompTIA CertMaster Learn
- CompTIA CertMaster Labs
- CompTIA CertMaster Learn integrated with CertMaster Labs
- CompTIA CertMaster Practice
- The Official CompTIA Instructor Guide / Student Guide
- The Official CompTIA Study Guide

NEW FEATURES

- **Content Updates for the CompTIA Cloud+ CV0-003 Exam:** The courseware has been refocused into a smaller number of lessons and topics than the previous version of the course with the aim of restricting the size of each topic to no more than ten subject headings. By creating smaller chunks of reading, learners have an easier time reading and recalling the material. Learners are also presented with more opportunities to interact with the content and answer questions based on the reading.
- **Easily Implemented in Classroom Environments:** The content and resources have been reworked to make them more flexible to suit a variety of classroom formats, whether there are 5 days or 16 weeks to teach the material, or something in between:
 - **Lengthy on-premise Lab Activities that require organizations to setup and maintain equipment have been removed from the eBook.** Instead, graded labs (CertMaster Labs) are available and hosted on the Skillable platform. These modular labs require only a modern browser and internet connection, saving organizations hours of setup time. Their short durations of 10-30 minutes allow for labs to be more easily integrated in coursework. As a result, instructors will no longer see the setup guide in the Instructor Resources.
 - **Reworked Presentation Tools:** The PowerPoint lecture slides have been enhanced with support notes. In addition, the presentations planner has been created as a separate document and includes information on labs, topics and PBQs to make it easier for instructors to plan lectures and use classroom time effectively.
- **Rigorously Evaluated to Ensure Adequate Coverage of Exam Objectives:** CompTIA employs trusted third-party subject matter experts to review the content against the exam objectives and validate that an appropriate breadth and depth of coverage has been achieved. This process helps ensure that students using The Official CompTIA Cloud+ Guides are adequately prepared for the CompTIA Cloud+ certification exam. Additionally, icons at the beginning of each topic call out the specific exam objectives covered.
- **Alignment and Consistency Across Book, Labs, and Assessment:** The book, labs, and assessment all work together with a similar approach and voice ensuring that instructors and students have a cohesive “single-sourced” solution for their Cloud+ courses. The presentation of course topics is supplemented with regular opportunities for hands-on labs, which are delivered through CertMaster Labs. Each lesson has exam-style multiple choice assessments, available through the CompTIA Learning Center. There is also a final assessment synthesizing concepts from all lessons.
- **Engaging Video Program:** Videos embedded within the lessons complement the instructional content by demonstrating key concepts and tasks in the course.
- **Robust Assessment:** Practice questions for each lesson and a final assessment covering all Lessons, more than 300 questions in total, are available in the CompTIA Learning Center to help students practice and demonstrate what they have learned.

ENHANCED LEARNING RESOURCES

The Official CompTIA Cloud+ Guides include the accompanying resources:

Comprehensive INSTRUCTOR resources ensure successful course delivery by providing:	Comprehensive STUDENT resources engage students by providing:
<ul style="list-style-type: none">• Course-specific delivery tips provide the instructor with additional insights to deliver the course successfully.• Facilitator notes in instructor guide• Solutions to activities and discussions• PowerPoint slides: A complete set of slides to facilitate the class including lists, tables, diagrams, illustrations, annotated screens and summaries.• Presentation Planners help plan and schedule courses based on different course lengths.• Solutions: Instructors have solutions to Activities and Discussion Questions embedded within the Instructor Guide.• Transition Guides: Documents designed to help users transition from CV0-002 to CV0-003 version of the content. Resources include: table of contents, course setup changes, exam mapping guide, activities and more.	<ul style="list-style-type: none">• eBook: An interactive online version of the book, along with secure PDF and downloadable versions• Files: Any course files available to download• Videos: Brief videos that are organized by Lesson and Topic provide demonstrations of key activities and topics in the course. Videos can be shown in class to engage students or reviewed later to reinforce important topics.• Assessment: A series of different assessments for each lesson as well as an overall self-assessment• PowerPoint slides• Solutions to activities and discussions• Strengths and Weaknesses Dashboard: Students assessments results are aggregated in the Strengths and Weaknesses dashboard to provide an indicator of their overall performance in the course.

CERTMASTER LEARN OVERVIEW

CertMaster Learn is a comprehensive eLearning experience that helps learners gain the knowledge and practical skills necessary to be successful on CompTIA certification exams, and in their IT career. A Learning Plan helps learners stay on track with your studies, while robust analytics bring awareness of strengths and weaknesses.

Instructional lessons are combined with videos, practice questions, and performance-based questions to provide hours of engaging and interactive content aligned with the CompTIA exam objectives. A Learning Plan helps learners stay on track with their studies, while robust analytics bring awareness of strengths and weaknesses.

When used in a classroom environment, CertMaster Learn empowers instructor and administrator success by providing easy-to-use course management tools, a comprehensive suite of instructor resources, and reporting and analytics options which make tracking individual student and group progress simple and efficient.

CERTMASTER LABS OVERVIEW

Graded Hands-on Practice with CertMaster Labs

CompTIA CertMaster Labs for Cloud+ (CV0-003) enable hands-on practice and skills development using real equipment and software accessed through a remote, browser-based lab environment. Aligned with Official CompTIA courseware and the CompTIA Cloud+ (CV0-003) exam objectives, CertMaster Labs make it easy for learners to practice and apply their skills in real workplace scenarios in preparation for the certification exam.

All lab activities include gradable assessments, offer feedback and hints, and provide a score based on learner inputs, ultimately guiding learners to the most correct and efficient path through job tasks and, in a classroom environment, providing instructors with meaningful insight into student performance.

Graded Labs

All lab activities within the Cloud+ course include gradable assessments, offer feedback and hints, and provide a score based on learner inputs, providing an accurate assessment of a learner's ability to correctly and efficiently perform tasks.

There are two types of labs in the course:

- **Assisted Labs** guide the learner step-by-step through tasks, offering assessment and feedback throughout a 10–15-minute experience, allowing the learner to correct any misunderstandings as they proceed through the activity.
- **Applied Labs** present a series of goal-oriented scenarios in a 20–30-minute experience covering multiple topics, scoring the learner's work at the end of the activity based on their ability to successfully complete each scenario. As a result, learners are forced to think critically about how to approach problems without a prescribed set of steps.

Integrated with CertMaster Learn

When integrated with CertMaster Learn, CertMaster Labs are displayed as Study Tasks within the CertMaster Learn Learning Plan. As a result, learners experience both knowledge acquisition and hands-on skills attainment through a single login and seamless workflow. Additionally, organizations who purchase the integrated course will be able to review student and group lab scores in the CertMaster Learn Boost Dashboard and hold students accountable for lab work.

COURSE OVERVIEW

CompTIA Cloud+ validates the skills needed to implement cloud solutions, maintain and optimize cloud environments, and troubleshoot issues encountered when working in the cloud. The major areas of emphasis include:

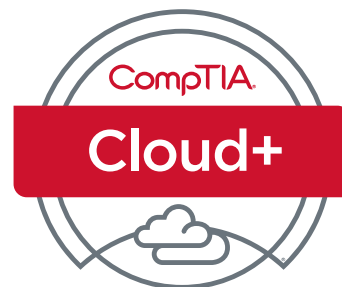
- Cloud architecture and design
- Security within the cloud
- Automation and virtualization
- Disaster recovery
- High availability

The Cloud+ exam covers five major domains:

- Cloud Architecture & Design (13%)
- Security (20%)
- Deployment (23%)
- Operations & Support (22%)
- Trouble Shooting (22%)

JOB ROLES

- Sr. Systems Administrator
- Systems Engineer
- Cloud Engineer
- Sr. Network Administrator
- Sr. Network Engineer
- Cloud Specialist
- Cloud Project Manager



COURSE OUTLINE

To view the course outline for Cloud+ (CV0-003) visit:

<https://s.comptia.org/3iHw9MF>

TABLE OF CONTENTS

Lesson 1: Understanding Cloud Concepts Topic 1A: Recognize Cloud Concepts Topic 1B: Recognize Cloud Terms Topic 1C: Understand the Troubleshooting Methodology	Lesson 2: Planning and Designing a Cloud Environment Topic 2A: Meet Cloud Business Requirements Topic 2B: Design Capacity Planning and Requirements	Lesson 3: Administering Cloud Resources Topic 3A: Manage Cloud Administration Topic 3B: Manage Compute Resources in the Cloud Topic 3C: Manage Memory Resources
Lesson 4: Managing Cloud Storage Topic 4A: Understand Cloud Storage Types Topic 4B: Configure Cloud Storage Solutions Topic 4C: Configure Cloud Storage Protocols and RAID	Lesson 5: Managing Networks in the Cloud Topic 5A: Deploying Cloud Network Services Topic 5B: Identify Cloud Network Infrastructure Components	Lesson 6: Securing and Troubleshooting Networks in the Cloud Topic 6A: Secure a Network in a Cloud Environment Topic 6B: Troubleshooting Cloud Connectivity
Lesson 7: Managing Cloud Migrations and Troubleshooting Cloud Deployments Topic 7A: Manage Cloud Migrations Topic 7B: Troubleshoot Cloud Deployment and Migration Issues	Lesson 8: Managing Cloud Automation and Orchestration Topic 8A: Understand Cloud Automation and Orchestration Techniques Topic 8B: Troubleshoot Automation and Orchestration in the Cloud	Lesson 9: Understanding Cloud Security Concepts Topic 9A: Administer Identity and Access Management in the Cloud Topic 9B: Manage Cloud Operating System and Application Security Topic 9C: Manage Data Security and Compliance in the Cloud
Lesson 10: Managing Cloud Security Topic 10A: Implement Security Measures in the Cloud Domain Topic 10B: Troubleshoot Cloud Security	Lesson 11: Managing Cloud Performance Topic 11A: Operate Efficiently in the Cloud Topic 11B: Accomplish Cloud Operations Tasks Topic 11C: Optimize Cloud Topic 11D: Troubleshoot Common Cloud Performance Problems	Lesson 12: Managing Maintenance in the Cloud Topic 12A: Configure Logs, Monitoring, and Alerting for Cloud Services Topic 12B: Manage Backup and Restore in the Cloud
Lesson 13: Implementing High Availability and Disaster Recovery in the Cloud Topic 13A: Understand High Availability and Scaling in the Cloud Topic 13B: Manage Disaster Recovery in the Cloud Topic 13C: Manage Backup and Restore in the Cloud	Appendix A: Mapping Course Content to CompTIA Cloud+ (CV0-003) Solutions Glossary Index	

PURCHASE EVERYTHING IN ONE PLACE

Official CompTIA learning resources are available on the CompTIA Store at <https://store.comptia.org/>, which means partners will be able to obtain Official CompTIA learning resources, CompTIA CertMaster products and exam vouchers all in one place. Please contact your CompTIA business development representative for more information.

