cyberskills

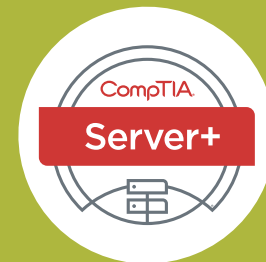A CAREER IN INFRASATRUCTURE

COMPTIA
CERTIFICATIONS

CompTIA
AUTHORIZED PARTNER

CompTIA IT Fundamentals+ → CompTIA A+ → CompTIA Network+ → CompTIA Security+ → CompTIA Linux+ → CompTIA Server+ → CompTIA Cloud+

SERVER+ SK0-005

CompTIA Server+ is a global certification that validates the hands-on skills of IT professionals who install, manage and troubleshoot servers in data centers as well as on-premise and hybrid environments.
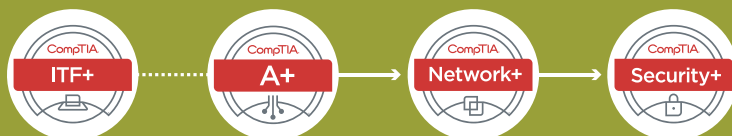
Where is this in the CompTIA Career Pathway?

The CompTIA Career Pathways allow IT professionals to achieve vendor-neutral infrastructure and cybersecurity mastery, from beginning to end.
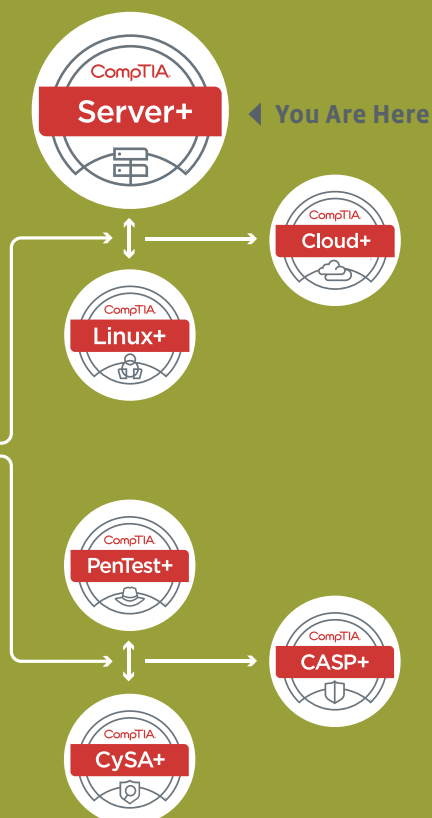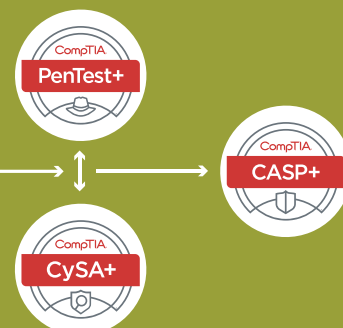
INFRASTRUCTURE PATHWAY

CompTIA **Server+** ◀ You Are Here

CompTIA **Cloud+**

CompTIA **Linux+**

CORE SKILLS CERTIFICATIONS

CompTIA **ITF+** → CompTIA **A+** → CompTIA **Network+** → CompTIA **Security+**

CompTIA **PenTest+**

CompTIA **CASP+**

PROFESSIONAL SKILLS

CompTIA **Project+**

CompTIA **Cloud Essentials+**

CompTIA **CTT+**

CompTIA **CySA+**

CYBERSECURITY PATHWAY

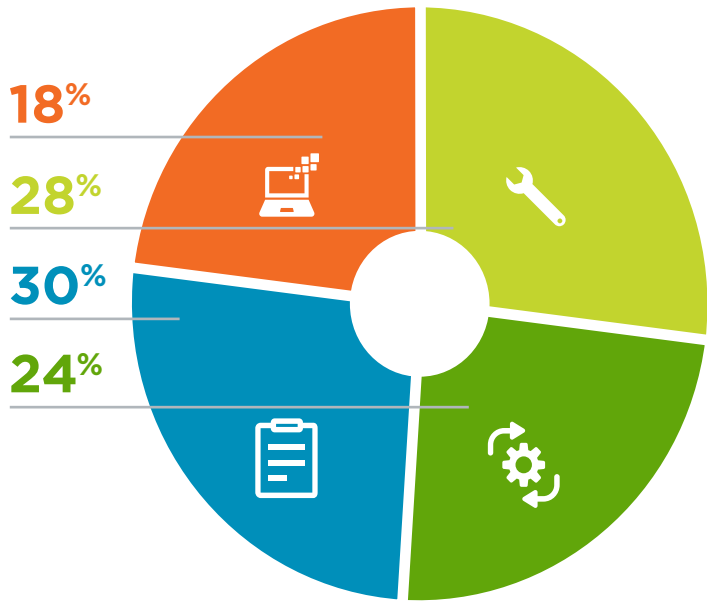## About the Infrastructure Pathway

IT infrastructure is the bedrock of IT operations and necessary for any business to function.

PURCHASE SERVER+ HERE

BUY NOW (US)

BUY NOW (OTHER COUNTRIES)

SKILLS & COMPETENCIES

- **Server Hardware Installation & Management** >
- **Troubleshooting** >
- **Server Administration** >
- **Security & Disaster Recovery** >

18%
28%
30%
24%

VIEW EXAM OBJECTIVES

Top Server+ Job Roles

- Systems Administrator
- Data Center Technician
- Server Administrator
- Network Administrator
- Field Service Technician or Engineer
- IT Technician
- Data Center Engineer

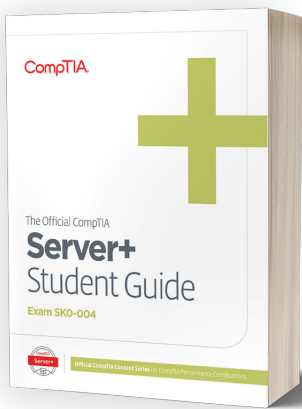## Organizations that contributed to the development of CompTIA Server+

- Microsoft
- Wells Fargo
- AECOM
- General Mills
- U.S. Navy

How does CompTIA Server+ Compare?

Find out how CompTIA Server+ compares to the leading certification programs.

COMPARE COMPTIA SERVER+

OFFICIAL LEARNING RESOURCES

Overview

The Official CompTIA Server+ Guides (SK0-005) are rigorously evaluated to validate coverage of the CompTIA Server+ (SK0-005) exam objectives, The Official CompTIA Server+ Instructor and Student Guides teach the knowledge and skills required to install, configure, and manage server hardware and server operating systems; implement proper server hardening and security controls; successfully troubleshoot common server problems; demonstrate an understanding of key disaster recovery, high-availability, and backup concepts; and prepare candidates to take the CompTIA Server+ certification exam.

AVAILABLE OFFICIAL COMPTIA LEARNING RESOURCES FOR INSTRUCTOR-LED TRAINING

Books   Labs   e-Learning   Exam Prep   Bundle Pricing

PURCHASE SERVER+ HERE

BUY NOW (US)   **BUY NOW (OTHER COUNTRIES)**

Key Features & Benefits

- **Robust Assessment** >
- **Integrate Active Learning** >
- **Alignment and Consistency Across Book and Assessment** >
- **Engaging Video Program Developed Exclusively for CompTIA by ITProTV** >
- **Refreshed Interior Design and Image Program** >

Instructor Resources

Course-specific delivery tips
Facilitator notes
Solutions to activities and discussions
PowerPoint slides
Presentation planners

Student Resources

eBook
Course files
Videos
Assessment
PowerPoint slides
Solutions to activities and discussions

COURSE OVERVIEW

CompTIA Server+ SK0-005 certifies individuals who securely administer physical and virtual servers. This exam will certify that the successful candidate has the knowledge and skills required to:
• Install, configure and manage server hardware and server operating systems
• Implement proper server hardening and security controls
• Successfully troubleshoot common server problems
• Demonstrate an understanding of key disaster recovery, high availability and backup concepts

Student Guide Lesson Overview

1 Understanding Server Administration Concepts

2 Understanding Virtualization and Cloud Computing

3 Understanding Physical and Network Security Concepts

4 Managing Physical Assets

5 Managing Server Hardware

6 Configuring Storage Management

7 Installing and Configuring an Operating System

8 Troubleshooting OS, Application, and Network Configurations

9 Managing Post-Installation Administrative Tasks

10 Managing Data Security

11 Managing Service and Data Availability

12 Decommissioning Servers

VIEW TABLE OF CONTENTS

INTEGRATED LEARNING PRODUCTS CERTMASTER LEARN & CERTMASTER LABS

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.

Purchase Server+ Here

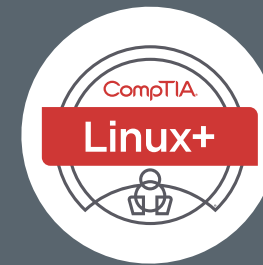**BUY NOW (US)**

BUY NOW (OTHER COUNTRIES)

"

CompTIA training and certification provide the full spectrum of IT understanding.

James Lapwood

COMMUNICATIONS MANAGER, FIREBRAND

LINUX+ XK0-004

CompTIA Linux+ is for the IT pro who will use Linux to manage everything from cars and smartphones to servers and supercomputers, as a vast number of enterprises use Linux in cloud, cybersecurity, mobile and web administration applications.

Where is this in the CompTIA Career Pathway?

The CompTIA Career Pathways allow IT professionals to achieve vendor-neutral infrastructure and cybersecurity mastery, from beginning to end.

INFRASTRUCTURE PATHWAY

CompTIA Server+

CompTIA Cloud+

CompTIA Linux+ ◄ You Are Here

CORE SKILLS CERTIFICATIONS

CompTIA ITF+ · · · · CompTIA A+ → CompTIA Network+ → CompTIA Security+

CompTIA PenTest+

CompTIA CASP+

CompTIA CySA+

PROFESSIONAL SKILLS

CompTIA Project+

CompTIA Cloud Essentials+

CompTIA CTT+

CYBERSECURITY PATHWAY

About the Infrastructure Pathway

IT infrastructure is the bedrock of IT operations and necessary for any business to function.

EXAM #

XK0-004

RELEASE DATE

April 2019

LANGUAGE

English, Japanese, Portuguese and Spanish

CE REQUIRED?

Yes

ACCREDITATION

Accredited by ANSI to show compliance with the ISO 17024 Standard.

PREREQUISITES

Students should have CompTIA A+, CompTIA Network+ certification and preferably 9 – 12 months of Linux experience.
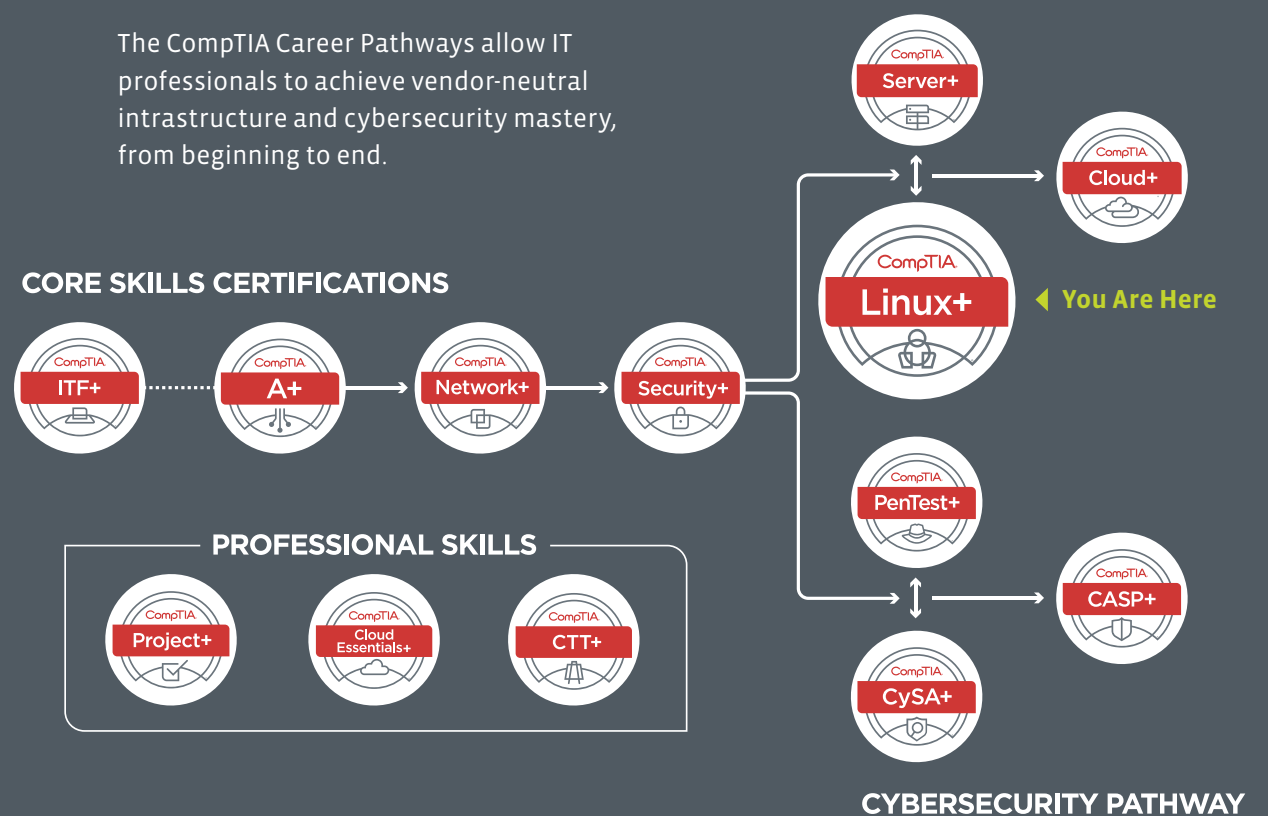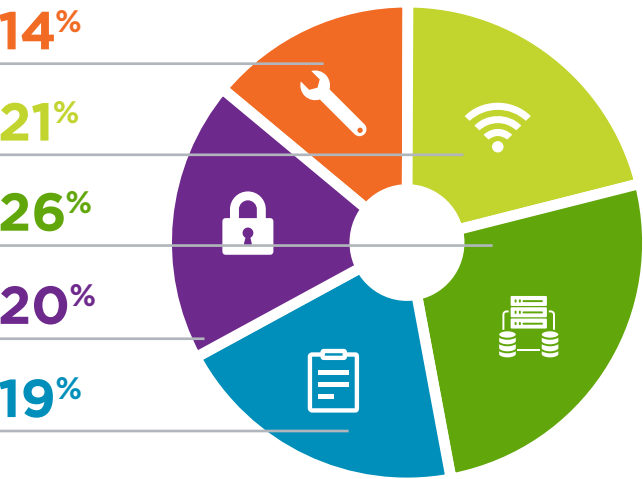
PURCHASE LINUX+ HERE

BUY NOW (US)

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SKILLS & COMPETENCIES

- Automation & Scripting ›
- Hardware & System Configuration ›
- System Operation & Maintenance ›
- Linux Troubleshooting & Diagnostics ›
- Security ›

VIEW EXAM OBJECTIVES

14%
21%
26%
20%
19%

Top Linux+ Job Roles

- Linux Administrator
- Systems Administrator
- Network Administrator
- Web Administrator
- Technical Support Specialist

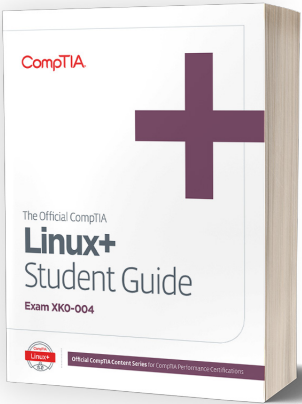## Organizations that Use Linux+

- Amazon
- American Airlines
- Dell
- GEICO
- U.S. Department of Defense (DoD)
- U.S. Navy

How does CompTIA Linux+ Compare?

Find out how CompTIA Linux+ compares to the leading certification programs.

COMPARE COMPTIA LINUX+

OFFICIAL LEARNING RESOURCES

Overview

The Official CompTIA Linux+ Instructor and Student Guides (XK0-004) have been developed by CompTIA with input from instructors across the world. Rigorously evaluated by third-party subject matter experts to validate adequate coverage of the Linux+ XK0-004 exam objectives, the Official CompTIA Linux+ Instructor and Student Guides teach the essential skills needed to manage servers and other devices running the Linux operating system and prepare candidates to take the CompTIA Linux+ certification exam.

AVAILABLE OFFICIAL COMPTIA LEARNING RESOURCES FOR INSTRUCTOR-LED TRAINING

Books   Labs   e-Learning   Exam Prep

PURCHASE LINUX+ HERE

BUY NOW (US)   **BUY NOW (OTHER COUNTRIES)**

Key Features & Benefits

- Robust Assessment ›
- Integrate Active Learning ›
- Alignment and Consistency Across Book and Assessment ›
- Engaging Video Program Developed Exclusively for CompTIA by ITProTV ›
- Refreshed Interior Design and Image Program ›

Instructor Resources

Course-specific delivery tips

Facilitator notes

Solutions to activities and discussions

PowerPoint slides

Presentation planners

Student Resources

eBook

Course files

Videos

Assessment

PowerPoint slides

Solutions to activities and discussions

COURSE OVERVIEW

This course is for students who are preparing for CompTIA Linux+ certification exam XK0-004. Linux+ XK0-004 is now developed by CompTIA and offered as a single, performance-based exam. Linux+ validates the necessary skills of IT professionals with hands-on experience configuring, monitoring, and supporting servers running the Linux OS. It is the right step for all early to mid-career IT professionals utilizing Linux-based systems, whether they are managing infrastructure, cloud workflows, or ensuring the cybersecurity of their organization. Linux+ also validates the critical Linux skills needed in cloud and cybersecurity.

Student Guide Lesson Overview

1. Performing Basic Linux Tasks
2. Managing Users and Groups
3. Managing Permissions and Ownership
4. Managing Storage
5. Managing Files and Directories
6. Managing Kernel Modules
7. Managing the Linux Boot Process
8. Managing System Components
9. Managing Devices
10. Managing Networking
11. Managing Packages and Software
12. Securing Linux Systems
13. Working with Bash Scripts
14. Automating Tasks
15. Installing Linux

VIEW TABLE OF CONTENTS

Exam Prep Option

CERTMASTER PRACTICE

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

Purchase Linux+ Here

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"

It all boils down to certification being an internationally recognized credential. If you can put that on your resume, you'll have a competitive advantage.

Mark Milton
DIRECTOR OF PEOPLE SERVICES, GOODWILL INDUSTRIES

CLOUD+ CV0-003

CompTIA Cloud+ is a global certification that validates the skills needed to deploy and automate secure cloud environments that support the high availability of business systems and data.

PREREQUISITES

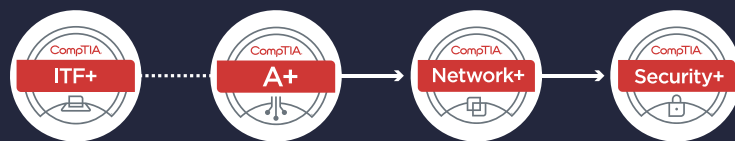No pre-requisites, but 24 to 36 months of systems administration experience recommended.

Where is this in the CompTIA Career Pathway?

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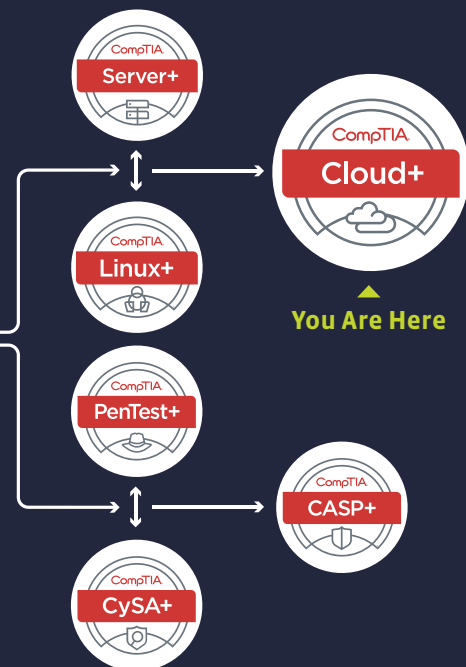
INFRASTRUCTURE PATHWAY

CompTIA Server+

CompTIA Cloud+
You Are Here

CORE SKILLS CERTIFICATIONS

CompTIA ITF+ .... CompTIA A+ → CompTIA Network+ → CompTIA Security+

CompTIA Linux+

CompTIA PenTest+

CompTIA CASP+

PROFESSIONAL SKILLS

CompTIA Project+   CompTIA Cloud Essentials+   CompTIA CTT+

CompTIA CySA+

CYBERSECURITY PATHWAY

About the Infrastructure Pathway

IT infrastructure is the bedrock of IT operations and necessary for any business to function.

PURCHASE CLOUD+ HERE

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SKILLS & COMPETENCIES

🔧 **Troubleshooting** ›

💻 **Cloud Architecture & Design** ›

🔒 **Security** ›

♟ **Deployment** ›

📋 **Operations & Support** ›

VIEW EXAM OBJECTIVES

22%
13%
20%
23%
22%

Top Cloud+ Job Roles

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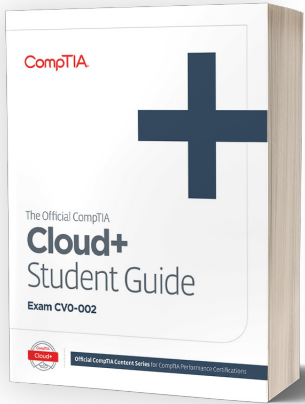• Cloud Specialist
• Cloud Project Manager

Organizations that Use Cloud+

• NTT Communications Corp.
• Oracle
• MacAulay-Brown, Inc.
• General Dynamics Information Technology
• MorphoTrust USA
• BAE Systems
• US Department of Defense

OFFICIAL LEARNING RESOURCES

Overview

The Official CompTIA Cloud+ Guides (CV0-003) are 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.

AVAILABLE OFFICIAL COMPTIA LEARNING RESOURCES FOR INSTRUCTOR-LED TRAINING

📖 Books   🧪 Labs   💻 e-Learning   ✏ Exam Prep $ Bundle Pricing

PURCHASE CLOUD+ HERE

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Key Features & Benefits

✓ **Robust Assessment** ›

🧠 **Integrate Active Learning** ›

📘 **Alignment and Consistency Across Book and Assessment** ›

📹 **Engaging Video Program Developed Exclusively for CompTIA by ITProTV** ›

✎ **Refreshed Interior Design and Image Program** ›

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Student Resources

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Videos
Assessment
PowerPoint slides
Solutions to activities and discussions

How does CompTIA Cloud+ Compare?

Find out how CompTIA Cloud+ compares to the leading certification programs.

COMPARE COMPTIA CLOUD+

The Official CompTIA
Cloud+
Student Guide
Exam CV0-002

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

Student Guide Lesson Overview

1 Understanding Cloud Concepts

2 Planning and Designing a Cloud Environment

3 Administering Cloud Resources

4 Managing Cloud Storage

5 Managing Networks in the Cloud

6 Securing and Troubleshooting Networks in the Cloud

7 Managing Cloud Migrations and Troubleshooting Cloud Deployments

8 Managing Cloud Automation and Orchestration

9 Understanding Cloud Security Concepts

10 Managing Cloud Security

11 Managing Cloud Performance

12 Managing Maintenance in the Cloud

13 Implementing High Availability and Disaster Recovery in the Cloud

VIEW TABLE OF CONTENTS

INTEGRATED LEARNING PRODUCTS CERTMASTER LEARN & CERTMASTER LABS

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.

Purchase Cloud+ Here

BUY NOW (US)

BUY NOW (OTHER COUNTRIES)

"

Cloud+ certification will set indiviudals ahead of their peers and make them more valuable to employers.

Nathan Savolskis

SYSTEM ENGINEER, MACAULEY-BROWN, INC