

OUR LEARNING EXCLUSIVE

- Custom exam prep software and materials
- Exam delivery in the classroom, with a **98% success rate**
- Course-specific thinQtank® Learning publications to keep the learning engaging
- Extended hours of training, including immersive hands-on exercises
- **We do not teach the test.** We always deliver valuable hands-on experience
- All reading material and study guides sent to you when you register
- Every course taught by working cloud engineers

TRAINING CAMP FORMAT

thinQtank® Learning delivers this course as an **instructor-led training camp**, with the exam sat in the classroom as part of the camp. Camps are scheduled by cohort rather than to a fixed calendar, and the balance of lecture and lab work is set to suit the group and the delivery method. Contact us for the schedule covering your dates.

PREREQUISITES

- Working familiarity with a major hypervisor and with server virtualization
- Basic knowledge of the standard cloud service and deployment models
- Practical experience of IT networking, network storage and data center administration
- CompTIA recommends two to three years as a systems administrator or cloud engineer — a recommendation, not a bar to entry

TARGET AUDIENCE

- Systems administrators and engineers moving workloads to the cloud
- Network administrators taking on cloud connectivity and network functions
- Cloud engineers and developers who operate what they build
- Project managers and analysts responsible for cloud services

EXAM

CV0-004 — CompTIA Cloud+

Maximum of 90 questions, multiple choice and performance-based. 90 minutes. Passing score 750 on a scale of 100 to 900.

CompTIA Cloud+ is approved by the US Department of Defense to meet **directive 8140** requirements.

COURSE OVERVIEW

thinQtank® Learning offers an industry-unique training camp in which students earn the **CompTIA Cloud+** certification. As with all our CompTIA training experiences, the exam is delivered in the classroom.

Cloud+ is the vendor-neutral credential for the people who keep cloud infrastructure running. It covers architecture and sizing, deployment and migration, day-two operations, security and compliance, the DevOps pipeline that ships the changes, and the troubleshooting that follows when a deployment does not behave — across public, private, hybrid and multicloud.

Because it is not tied to one provider, it tests whether you understand the concepts rather than one console. It maps to exam **CV0-004**, with objective coverage marked throughout, and the **exam voucher is available** at \$399 USD.

COURSE OBJECTIVES

Primary course objectives:

- Compare cloud service and deployment models, and read a shared responsibility boundary
- Design for availability, disaster recovery and multicloud
- Plan cloud networking: public and private connectivity, routing and network functions
- Choose storage and database services on their characteristics, not their names
- Apply cloud-native design, containerization and virtualization to a workload
- Cost a design, and optimize one that is already running
- Execute a migration, and choose between blue-green, canary, rolling and in-place
- Provision with infrastructure as code and configuration as code
- Configure logging, tracing, monitoring and alerting, and scale on what they tell you
- Manage the resource lifecycle, and back up and recover what matters
- Manage vulnerabilities, identity and access, and the controls compliance rests on
- Work the DevOps pipeline: source control, CI/CD and systems integration
- Troubleshoot deployment, network and security problems in a live environment

DELIVERY METHODS

- Instructor-led training
- Immersive live-online training
- On-site and custom delivery

WHAT YOU WILL BE ABLE TO DO

- Size and design a cloud deployment against a real workload and a real budget
- Migrate and deploy without taking the service down
- Secure identity, access and compliance across more than one provider
- Find the fault when a deployment, a network or a control misbehaves

EXCLUSIVE LEARNING PACKAGE

- Multicloud lab environment — build, break and rebuild
- Infrastructure-as-code starter templates
- Containers and orchestration video course
- Cloud+ video course
- Cloud+ reading plan and review guide
- Cloud+ certification practice exam

COURSE MODULES

01 Cloud Architecture — 23%

- Topic A: Service models and the shared responsibility boundary
- Topic B: Availability, disaster recovery and multicloud
- Topic C: Cloud networking: public and private connections, network functions
- Topic D: Storage resources and technologies
- Topic E: Cloud-native design, containerization and virtualization
- Topic F: Cost considerations and database concepts
- Topic G: Workload optimization, and where AI and IoT land

02 Deployment — 19%

- Topic A: Public, private, hybrid and community deployment models
- Topic B: Deployment strategies: blue-green, canary, rolling, in-place
- Topic C: Migration planning and execution
- Topic D: Infrastructure as code and configuration as code
- Topic E: Provisioning cloud resources

03 Security — 19%

- Topic A: Vulnerability management and CVEs
- Topic B: Compliance and regulation
- Topic C: Identity and access management
- Topic D: Security controls and best practice
- Topic E: Monitoring for attack

04 Operations — 17%

- Topic A: Observability: logging, tracing, monitoring and alerting
- Topic B: Scaling approaches
- Topic C: Backup and recovery
- Topic D: Resource lifecycle management

05 Troubleshooting — 12%

- Topic A: Deployment issues
- Topic B: Network issues
- Topic C: Security issues
- Topic D: Performance and capacity issues

06 DevOps Fundamentals — 10%

- Topic A: Source control concepts
- Topic B: CI/CD pipelines
- Topic C: Systems integration
- Topic D: DevOps tooling

A Appendices

- Appendix A: Taking the exam
- Appendix B: Mapping course content to the CompTIA® Cloud+® exam
- Appendix C: Linux and Windows essentials for cloud work
- Appendix D: Scripting and automation essentials
- Appendix E: Reference architectures and worked examples

TERMS

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