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Sign up

CompTIA DataX training: Certification (DY0-001)

ALL-IN-ONE: EXAMINATION INCLUDED IN PRICE

5 days (35 hours)

Presentation

Our CompTIA CloudNetX© training course will prepare you effectively for certification. It is designed to meet the needs network and cloud architects designing complex hybrid environments combining on-premises datacenters and AWS, Azure or GCP platforms.

Our training program covers the entire CNX-001 framework in five chapters: from hybrid network architecture to advanced remediation, Zero Trust security and automation.

You capitalize on targeted preparation for exam, consisting of MCQs and practice questions (PBQs), graded in CompTIA pass/fail, all aligned with the Xpert Series, CompTIA's new "expert" range.

Training content

- 5-day training with a certified expert
- 1 year self-study access to the Labs
- 1 pass for certification

Objectives

- Pass the CloudNetX exam
- Master advanced network technology concepts

Target audience

- Network, cloud or infrastructure architects with around 5 years' hybrid experience.

Prerequisites

- Network fundamentals: OSI, IPv4/IPv6, CIDR/VLSM, OSPF/BGP, NAT/PAT
- Zero Trust security familiarity, TLS 1.3 / IPsec, multi-cloud IAM
- Terraform / Ansible automation bases, Prometheus / Grafana supervision and CI/CD scripts
- Network+™, Security+™ and Cloud+™ certifications are recommended (one or more).

Note: Ambient IT is not the owner of CompTIA Certifications®, this certification belongs to CompTIA, Inc.

Comptia CloudNetX™ Certification Preparation Program

Getting started with CloudNetX

- CompTIA certification overview: from Core (ITF+, A+) to the new Xpert Series (CloudNetX, DataX, SecurityX)
- CloudNetX positioning: expert certification, vendor-neutral, code CNX-001, Q1 launch 2025
- Eligibility requirements: ? 10 years in IT, 5 years in hybrid architecture, Network+/Security+/Cloud+ recommended
- Exam format: 90 questions max (MCQ + PBQ), 165 min, pass/fail scoring
- Preparation strategy: "evaluate-complete-test" loop (pre-assessment, labs, mock exams)

Design the hybrid network architecture

- Fundamentals: OSI, IPv4/v6, CIDR/VLSM, NAT/PAT
- Modern topologies: mesh, spine-and-leaf, N/S-E/W zones, VXLAN & GENEVE
- Multi-site & multi-cloud connectivity: MPLS, SD-WAN, Direct Connect/ExpressRoute, SDCI, WireGuard VPN
- High availability & scalability: GSLB, autoscaling, fault/upgrade domains, CDN
- Architect documentation & deliverables: HLD/LLD, runbooks, baselines, WBS

Securing hybrid infrastructure

- Zero Trust principles & multi-cloud IAM (AWS IAM, Azure AD, Keycloak)
- Encryption and flow protection: TLS 1.3, IPsec VTI, DNSSEC, DoT/DoH
- Secure high-availability design: active-active/passive, global/local load balancing, VIP
- Governance & compliance: segmentation, micro-segmentation, application filtering, audit artifacts

Operations, monitoring & automation

- Observability: Prometheus/Grafana metrics & logs, SLA alerts, preventive AIOps
- Infra-as-Code automation: Ansible, Terraform, GitHub Actions (network CI/CD)
- Performance & optimization: QoS, CDN edge, NTP/DNS analysis, container networking
- Lifecycle management: patching, baselines, CEU & CloudNetX/Network+/Security+ renewal

Advanced troubleshooting & passing the exam

- N-tier troubleshooting methodology: symptom-scope-isolation, ITIL v4 runbooks, RCA
- Recurring scenarios CNX-001: BGP latency, route leakage, expired certificates, incorrect split-tunnel settings
- Performance-Based Questions (PBQ): structure, implicit scoring, good writing practices
- Exam Day Checklist: Pearson VUE online/proctoring configuration, time management (3 blocks 55 min), flag-review
- Post-examination plan: CompTIA SME feedback, CEU collection, CCIE/CCDE roadmap or AWS Advanced Networking

FAQ - QUESTIONS / ANSWERS

What language is Comptia CloudNetX taught in?

The course is in French.

Is the exam included in the course price?

Yes, the price of the certification is included in the cost of the course (\$509 for information only). You can take the exam at the end of the session.

How does the Comptia CloudNetX certification exam work?

The exam consists of a performance-based MCQ of up to **90 questions**. It is taken online at an approved Pearson Vue test center.

The exam lasts **165 minutes** and is available in English and French.

Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level on different types of technology, as well as his or her expectations and personal objectives with regard to the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.