

OUR LEARNING EXCLUSIVE

- Custom exam prep software and materials
- Course-specific thinQtank® Learning publications to make the learning fun and engaging
- Hands-on labs with Junos automation, Python and cloud tooling
- **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 Juniper-certified engineers
- Six months mentoring access to our engineers after the course

TRAINING CAMP FORMAT

thinQtank® Learning delivers this course as a **three-day instructor-led training camp**, Monday to Wednesday. About 60% lecture and 40% hands-on labs. Contact us for the schedule covering your dates.

PREREQUISITES

- No certification is required
- Recommended: JCF course; Getting Started with Cloud e-learning; basic Linux and Docker experience

TARGET AUDIENCE

- Cloud/infrastructure engineer
- Network engineer moving to cloud
- Systems administrator (virtualization)
- Platform/DevOps engineer

CERTIFICATION

This course prepares you for the JNCIA-Cloud (JN0-214) exam.

Exam	JN0-214, 65 questions, 90 minutes
Delivery	Pearson VUE, scheduled through HPE Networking
Exam fee	\$200, set by Juniper
Prerequisite	None

COURSE OVERVIEW

thinQtank® Learning is offering a unique three-day training camp comprised of three days of instructor-led learning that gives students the knowledge and skills needed to configure, monitor and troubleshoot Juniper solutions across the JNCIA-Cloud exam objectives: Cloud Fundamentals, Cloud Infrastructure (NFV and SDN), Network Virtualization, Cloud Virtualization, Cloud Orchestration with OpenStack, Cloud Orchestration with Kubernetes and Cloud Orchestration with OpenShift.

The camp follows the official JNCIA-Cloud (JN0-214) exam objectives and the Juniper course outline behind it (Juniper Cloud Fundamentals (JCF) 3 days), with hands-on labs on Junos throughout.

This course prepares you for **the JNCIA-Cloud (JN0-214) exam**.

WHAT YOU WILL BE ABLE TO DO

- Explain cloud deployment and service models and cloud-native architecture
- Describe NFV and SDN architecture, orchestration and controllers
- Explain underlay/overlay and encapsulations (MPLSoGRE, MPLSoUDP, VXLAN, EVPN, GENEVE)
- Create VMs with KVM/QEMU and containers with Docker
- Orchestrate with OpenStack, including Heat templates, networking plugins and security groups
- Manage Kubernetes Pods, Deployments, Services, namespaces and CNI plug-ins
- Manage OpenShift workloads via CLI and web UI

EXCLUSIVE LEARNING PACKAGE

- JNCIA-Cloud reading plan and review guide
- JNCIA-Cloud practice exams
- Lab guide you keep after the course
- Course video recordings for review

DELIVERY METHODS

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

JUNIPER CERTIFICATION TRACKS

Enterprise

JNCIA-Junos · JNCIS/P/E-ENT

Campus and branch

Service Provider

JNCIS/P/E-SP

Carrier and backbone

Security

JNCIA/S/P/E-SEC

SRX and threat defense

Data Center

JNCIA/S/P/E-DC

Fabrics, EVPN, Apstra

Mist AI

JNCIA · JNCIS Wireless/Wired · JNCIP

AI-driven networking

DevOps, Cloud & Design

JNCIA/S-DevOps · Cloud · Design

Automation and architecture

COURSE MODULES

01 Fundamental Cloud Concepts**03** Linux Namespaces**05** Network Virtualization**07** Introduction to OpenStack**09** OpenStack Networking**11** Kubernetes Networking**13** Exam Review**02** Linux Virtualization**04** Containerization with Docker**06** SDN and NFV**08** OpenStack Configuration**10** Introduction to Kubernetes**12** Red Hat OpenShift

EXAM OBJECTIVES

01 Cloud Fundamentals**03** Network Virtualization**05** Cloud Orchestration with OpenStack**07** Cloud Orchestration with OpenShift**02** Cloud Infrastructure (NFV and SDN)**04** Cloud Virtualization**06** Cloud Orchestration with Kubernetes

TERMS

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