

JNCIE-Cloud Self-Study Bundle (JNCIE-Cloud)

Engineering Simplicity

COURSE OVERVIEW

Juniper Networks *JNCIE-Cloud Certification Self-Study Bundle* is a hands-on guide to validate your skills needed to pass the official JNCIE-Cloud lab exam. The guide is based on the official JNCIE-Cloud exam blueprint. Each chapter covers several technologies with expert-level configuration tasks and detailed answers. In this workbook, you will also find several technology introductions and theoretical knowledge about the JNCIE-Cloud lab exam blueprint topics. However, do not expect a full explanation of exam-related topics because there are other resources available for prerequisite knowledge.

The guide contains two 6-hour super labs to give you the same experience as in the real JNCIE-Cloud exam. This guide is targeted at JNCIP-Cloud certified engineers who are studying for the expert-level certification and need extra help preparing for the exam.

With the purchase of this self-study bundle, you will be provided with access to the course materials via Online Secure PDF, a secure PDF workbook of technology-specific lessons and exercises and two JNCIE-Cloud practice exams (Super Labs), and 12 lab sessions for use at any time to perform lab exercises and practice exams—each lab session provides a maximum of 10 continuous hours of access to our lab environment.

COURSE LEVEL

Advanced

AUDIENCE

Individuals who have already honed their skills on Cloud technologies and could use some practice and tips in preparation for the JNCIE-Cloud exam

PREREQUISITES

Successful completion of the Juniper Networks Certified Internet Professional—Cloud (JNCIP-Cloud) written exam or achieved an equal level of expertise through Education Services courseware and hands-on experience

CONTACT INFORMATION

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OBJECTIVES

- Be better prepared for success in taking the actual JNCIE-Cloud exam.
- Be well-versed in exam topics, environment, and conditions.

COURSE CONTENT

1

Fabric Automation using Contrail Command

- Onboarding an Existing IP Fabric
- Enabling BMS Connectivity
- Provisioning a New IP Fabric
- Additional Operations

2

Orchestration

- Providing Workload Isolation in Kubernetes
- Deploying Multitier Applications in Kubernetes
- Deploying Applications in OpenStack
- Deploying Applications in vCenter

3

Contrail Networking

- vRouter Connectivity and Troubleshooting
- IP Fabric Network
- SNAT
- Overlay Load Balancing
- Service Chains
- Troubleshooting an Overlay Network
- Virtual DNS

4

Contrail Security

- Security Policies
- Policy Generation
- Visualization
- Troubleshooting

Continued on the next page.

COURSE CONTENT (continued)

5

Monitoring Analytics and Telemetry

- AppFormix for Monitoring Contrail SDN Components
- SLA Rules/Outbound Notifications
- Custom Actions
- AppFormix Logs, Alarms, and Notifications
- Junos Telemetry

Continued in the next column.

Super Lab 1

- Fabric Automation using Contrail Command
- Orchestration
- Contrail Networking
- Contrail Security
- Monitoring Analytics and Telemetry

Super Lab 2

- Fabric Automation using Contrail Command
- Orchestration
- Contrail Networking
- Contrail Security
- Monitoring Analytics and Telemetry

COURSE APPENDICES

Appendix—Chapter 1: Fabric Automation using Contrail Command

- Detailed explanation of steps required to complete Onboarding an Existing IP Fabric
- Detailed explanation of steps required to complete Enabling BMS Connectivity
- Detailed explanation of steps required to complete Provisioning a New IP Fabric
- Detailed explanation of steps required to complete Additional Operations

Appendix—Chapter 2: Orchestration

- Detailed explanation of steps required to complete Providing Workload Isolation in Kubernetes
- Detailed explanation of steps required to complete Deploying Multitier Applications in Kubernetes
- Detailed explanation of steps required to complete Deploying Applications in OpenStack
- Detailed explanation of steps required to complete Deploying Applications in vCenter

Appendix—Chapter 3: Contrail Networking

- Detailed explanation of steps required to complete vRouter connectivity and troubleshooting
- Detailed explanation of steps required to complete IP fabric network configuration
- Detailed explanation of steps required to complete SNAT
- Detailed explanation of steps required to complete Overlay load balancing
- Detailed explanation of steps required to complete Service chains
- Detailed explanation of steps required to complete Troubleshooting an overlay network
- Detailed explanation of steps required to complete Virtual DNS

Appendix—Chapter 4: Contrail Security

- Detailed explanation of steps required to complete Security policies
- Detailed explanation of steps required to complete Policy generation
- Detailed explanation of steps required to complete Visualization
- Detailed explanation of steps required to complete Troubleshooting

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COURSE APPENDICES (continued)

Appendix—Chapter 5: Monitoring Analytics and Telemetry

- Detailed explanation of steps required to complete configuring AppFormix for monitoring Contrail SDN components
- Detailed explanation of steps required to complete SLA rules/outbound notifications
- Detailed explanation of steps required to complete Custom actions configuration
- Detailed explanation of steps required to complete configuring AppFormix logs, alarms, and notifications
- Detailed explanation of steps required to complete working with Junos Telemetry

Appendix—Super Lab 1

- Detailed explanation of steps required to complete Fabric Automation using Contrail Command
- Detailed explanation of steps required to complete Orchestration tasks
- Detailed explanation of steps required to complete Contrail Networking tasks
- Detailed explanation of steps required to complete Contrail Security tasks
- Detailed explanation of steps required to complete Monitoring Analytics and Telemetry tasks

Appendix—Super Lab 2

- Detailed explanation of steps required to complete Fabric Automation using Contrail Command
- Detailed explanation of steps required to complete Orchestration tasks
- Detailed explanation of steps required to complete Contrail Networking tasks
- Detailed explanation of steps required to complete Contrail Security tasks
- Detailed explanation of steps required to complete Monitoring Analytics and Telemetry tasks

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