

JNCIE Data Center Self-Study Bundle (JNCIE-DC)

Engineering Simplicity

COURSE LEVEL

JNCIE-DC Certification Self-Study Bundle is an advanced level course.

INTENDED AUDIENCE

This bundle benefits individuals who have already honed their skills on data center technologies and could use some practice and tips in preparation for the JNCIE-DC exam.

PREREQUISITES

Students should have passed the Juniper Networks Certified Internet Professional—Data Center (JNCIP-DC) written exam or achieved an equal level of expertise through Education Services courseware and hands-on experience

COURSE OVERVIEW

Juniper Networks' JNCIE-DC Certification Self-Study Bundle is a hands-on guide to validate your skills needed to pass the official JNCIE-DC lab exam. The guide is based on the official JNCIE-DC exam blueprint. Each chapter covers several technologies with expert-level configuration tasks and detailed answers. In this workbook you will find several technology introductions. However, do not expect a full explanation about OSPF, BGP, etc as there are other resources available for prerequisite knowledge. The guide contains two full practice exams to simulate a real JNCIE-DC lab exam. This guide is targeted at JNCIP-DC 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-DC 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.

OBJECTIVES

After successfully completing this course, you should:

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

CONTACT INFORMATION

[Contact Juniper Education Services](#)

SELF-STUDY BUNDLE CONTENTS

1 Layer 2 Underlay

- MC-LAG
- Multistage MC-LAG
- Virtual Chassis Fabric

2 Clos IP Fabric

- EBGP-based Clos IP Fabric
- IBGP-based Clos IP Fabric

3 Controllerless Overlay

- EBGP-based Overlay
- IBGP-based Overlay
- IP Fabric and Controllerless Overlay

4 Data Center Interconnect

- MPLS and MPLS L3VPN
- MPLS, MPLS L3VPN, and EVPN
- MPLS L3VPN, and VLAN-aware EVPN
- Controllerless Overlay and EVPN DCI

5 Security

- Securing the Data Center

6 Class of Service

- CoS Inside the Data Center

7 Management

- On-box Scripts
- Junos Space
- Zero Touch Provisioning
- NETCONF

Superlab 1:

- Device Management tasks
- Underlay tasks
- Controllerless Overlay tasks
- Data Center Interconnect tasks
- Security tasks
- Class of Service tasks

Superlab 2:

- Device Management tasks
- Underlay tasks
- Controllerless Overlay tasks
- Data Center Interconnect tasks
- Security tasks
- Class of Service tasks

Appendix Chapter 1: Layer 2 Underlay

- Configuration and verification commands for MC-LAG
- Configuration and verification commands for Multistage MC-LAG
- Configuration and verification commands for Virtual Chassis Fabric (not supported on vQFX)

Appendix Chapter 2: Clos IP Fabric

- Configuration and verification commands for EBGP-based Clos IP Fabric
- Configuration and verification commands for IBGP-based Clos IP Fabric

Appendix Chapter 3: Controllerless Overlay

- Configuration and verification commands for EBGP-based Overlay
- Configuration and verification commands for IBGP-based Overlay
- Configuration and verification commands for IP Fabric and Controllerless Overlay

Appendix Chapter 4: Data Center Interconnect

- Configuration and verification commands for MPLS and MPLS L3VPN
- Configuration and verification commands for MPLS, MPLS L3VPN, and EVPN
- Configuration and verification commands for MPLS L3VPN, and VLAN-aware EVPN
- Configuration and verification commands for Controllerless Overlay and EVPN DCI

Appendix Chapter 5: Security

- Configuration and verification commands for Securing the Data Center

Appendix Chapter 6: Class of Service

- Configuration and verification commands for CoS Inside the Data Center

Appendix Chapter 7: Management

- Configuration and verification commands for On-box Scripts
- Configuration and verification commands for Junos Space
- Configuration and verification commands for Zero Touch Provisioning
- Configuration and verification commands for NETCONF

Appendix Superlab 1:

- Configuration commands for device management tasks
- Configuration commands for underlay tasks
- Configuration commands for controllerless overlay tasks
- Configuration commands for data center interconnect tasks
- Configuration commands for security tasks
- Configuration commands for class of service tasks

Appendix Superlab 2:

- Configuration commands for device management tasks
- Configuration commands for underlay tasks
- Configuration commands for controllerless overlay tasks
- Configuration commands for data center interconnect tasks
- Configuration commands for security tasks
- Configuration commands for class of service tasks