

# JNCIE Enterprise Self-Study Bundle (JNCIE-ENT)

Engineering Simplicity

## COURSE LEVEL

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

## INTENDED AUDIENCE

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

## PREREQUISITES

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

## COURSE OVERVIEW

Juniper Networks *JNCIE-ENT Certification Self-Study Bundle* is a hands-on guide to validate your skills needed to pass the official JNCIE-ENT lab exam. The guide is based on the official JNCIE-ENT exam blueprint. Each chapter covers several technologies with expert-level configuration tasks and detailed answers. In this workbook you will find several technology introductions and theoretical knowledge about the JNCIE-ENT lab exam blueprint topics. However, do not expect a full explanation about OSPF, IS-IS, BGP, and other advanced Layer 2 services, since there are other resources available for prerequisite knowledge.

The guide contains two 8-hour practice exams to give you the same experience as in the real JNCIE-ENT exam. This guide is targeted at JNCIP-ENT 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 a secured PDF version of the guide with six lab sessions that are each eight hours in duration to practice the exercises at your own pace.

## OBJECTIVES

After successfully completing this course, you should:

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

## CONTACT INFORMATION

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## SELF-STUDY BUNDLE CONTENTS

<b>1</b>	<p><b>Junos System Features</b></p> <ul style="list-style-type: none"> <li>• General System Services</li> <li>• User Authentication and Authorization</li> <li>• Syslog Configuration</li> <li>• SNMP Configuration</li> <li>• Junos Space</li> <li>• Firewall Filters</li> </ul>	<b>7</b>	<p><b>Class of Service</b></p> <ul style="list-style-type: none"> <li>• vMX Class of Service</li> <li>• EX Class of Service</li> </ul>
<b>2</b>	<p><b>Layer 2 Configuration and Features</b></p> <ul style="list-style-type: none"> <li>• Layer 2 Switching</li> <li>• Spanning Tree Configuration</li> <li>• Layer 2 Features</li> </ul>	<b>Super Lab 1:</b>	
	<ul style="list-style-type: none"> <li>• General System Features</li> <li>• Layer 2 Configuration and Features</li> <li>• Protocol Independent Features</li> <li>• IGP Configuration</li> <li>• BGP Configuration</li> <li>• EVPN/VXLAN Configuration</li> <li>• Class of Service Configuration</li> </ul>		
<b>3</b>	<p><b>Protocol Independent Features</b></p> <ul style="list-style-type: none"> <li>• GRE Tunnel</li> <li>• Filter-Based Forwarding</li> </ul>	<b>Super Lab 2:</b>	
	<ul style="list-style-type: none"> <li>• General System Features</li> <li>• Layer 2 Configuration and Features</li> <li>• Protocol Independent Features</li> <li>• IGP Configuration</li> <li>• MPLS/LDP Configuration</li> <li>• BGP Configuration</li> <li>• VPN Configuration</li> <li>• EVPN/VXLAN</li> <li>• Class of Service</li> </ul>		
<b>4</b>	<p><b>IGP Configuration</b></p> <ul style="list-style-type: none"> <li>• OSPFv3</li> <li>• OSPFv2</li> <li>• IS-IS</li> </ul>		
<b>5</b>	<p><b>BGP Configuration</b></p> <ul style="list-style-type: none"> <li>• IBGP Data Center</li> <li>• IBGP Site 1 and Site 2</li> <li>• EBGP Data Center</li> </ul>		
<b>6</b>	<p><b>EVPN/VXLAN</b></p> <ul style="list-style-type: none"> <li>• EVPN/VXLAN</li> </ul>		

## Appendix – Additional Theory

- MPLS Overview
- VPN Overview

## Appendix – Chapter 1: Junos System Features

- General System Services
- User Authentication and Authorization
- Syslog Configuration
- SNMP Configuration
- Junos Space
- Firewall Filters

## Appendix – Chapter 2: Layer 2 Configuration and Features

- Layer 2 Switching
- Spanning Tree Configuration
- Layer 2 Features

## Appendix – Chapter 3: Protocol Independent Features

- GRE Tunnel
- Filter-Based Forwarding

## Appendix – Chapter 4: IGP Configuration

- OSPFv3
- OSPFv2
- IS-IS

## Appendix – Chapter 5: BGP Configuration

- IBGP Data Center
- IBGP Site 1 and Site 2
- EBGP Data Center

## Appendix – Chapter 6: EVPN/VXLAN

- EVPN/VXLAN

## Appendix – Chapter 7: Class of Service

- vMX Class of Service
- EX Class of Service

## Appendix – Super Lab 1

- General System Features
- Layer 2 Configuration and Features
- Protocol Independent Features
- IGP Configuration
- BGP Configuration
- EVPN/VXLAN Configuration
- Class of Service Configuration

## Appendix – Super Lab 2

- General System Features
- Layer 2 Configuration and Features
- Protocol Independent Features
- IGP Configuration
- MPLS/LDP Configuration
- BGP Configuration
- VPN Configuration
- EVPN/VXLAN
- Class of Service