ExamLabs

Designing Cisco Enterprise Wireless Networks (300-425 ENWLSD) Study Guide

Exam 300-425

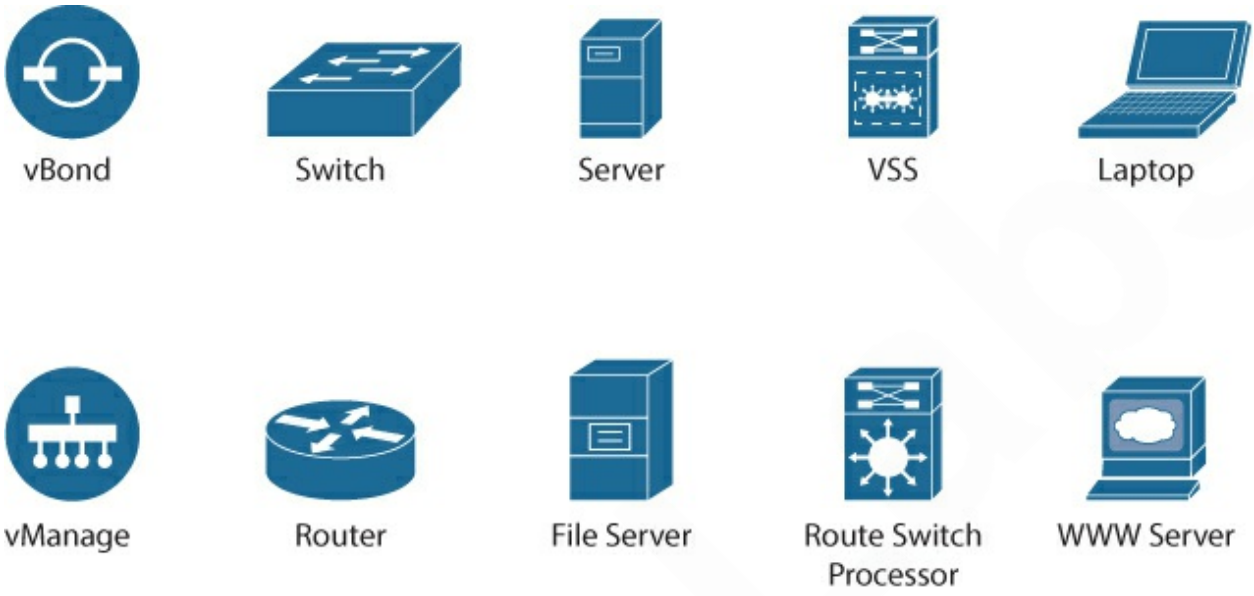
Contents at a Glance

Contents

Chapter 11 Implementing Quality of Service on a Wireless Network

Appendix A 802.11ax

Icons Used in This Book



Command Syntax Conventions

The conventions used to present command syntax in this book are the same conventions used in the IOS Command Reference. The Command Reference describes these conventions as follows:

- **Boldface** indicates commands and keywords that are entered literally as shown. In actual configuration examples and output (not general command syntax), boldface indicates commands that are manually input by the user (such as a **show** command).
- *Italic* indicates arguments for which you supply actual values.
- Vertical bars (|) separate alternative, mutually exclusive elements.
- Square brackets ([ ]) indicate an optional element.
- Braces ({ }) indicate a required choice.
- Braces within brackets ([{ }]) indicate a required choice within an optional element.

Introduction

Congratulations! If you are reading this Introduction, then you have probably decided to obtain a Cisco certification. Obtaining a Cisco certification will ensure that you have a solid understanding of common industry protocols along with Cisco's device architecture and configuration. Cisco has a high market share of network infrastructure of routers, switches, and firewalls, with a global footprint.

Professional certifications have been an important part of the computing industry for many years and will continue to become more important. Many reasons exist for these certifications, but the most popularly cited reason is credibility. All other factors being equal, a certified employee/consultant/job candidate is considered more valuable than one who is not certified.

Cisco provides three levels of certifications: Cisco Certified Network Associate (CCNA), Cisco Certified Network Professional (CCNP), and Cisco Certified Internetwork Expert (CCIE). Cisco made changes to all three certifications, effective February 2020. The following are the most notable of the many changes:

- The exams will include additional topics, such as programming.
- The CCNA certification is not a prerequisite for obtaining the CCNP certification.
- CCNA specializations will not be offered anymore.
- The exams will test a candidate's ability to configure and troubleshoot network devices in addition to answering multiple-choice questions.
- The CCNP is obtained by taking and passing a Core exam and a Concentration exam.
- The CCIE certification requires candidates to pass the Core written exam before the CCIE lab can be scheduled.

CCNP Enterprise candidates need to take and pass the Implementing and

Operating Cisco Enterprise Network Core Technologies ENCOR 350-401 examination. Then they need to take and pass one of the following Concentration exams to obtain their CCNP Enterprise:

- 300-410 ENARSI: Implementing Cisco Enterprise Advanced Routing and Services (ENARSI)
- 300-415 ENSDWI: Implementing Cisco SD-WAN Solutions (ENSDWI)
- 300-420 ENSLD: Designing Cisco Enterprise Networks (ENSLD)
- 300-425 ENWLSD: Designing Cisco Enterprise Wireless Networks (ENWLSD)
- 300-430 ENWLSI: Implementing Cisco Enterprise Wireless Networks (ENWLSI)
- 300-435 ENAUTO: Automating and Programming Cisco Enterprise Solutions (ENAUTO)

This book helps you study for the CCNP ENWLSD 300-425 and ENWLSI 300-430 exams. The time allowed to take each test is 90 minutes to complete about 60 questions. Testing is done at Pearson VUE testing centers.

Goals and Methods

The most important and somewhat obvious goal of this book is to help you pass the Designing Cisco Enterprise Wireless Networks ENWLSD 300-425 and Implementing Cisco Enterprise Wireless Networks ENWLSI 300-430 exams. In fact, if the primary objective of this book was different, then the book’s title would be misleading; however, the methods used in this book to help you pass the ENWLSD 300-425 and ENWLSI 300-430 exams are designed to also make you much more knowledgeable about how to do your job. While this book and the companion website together have more than enough questions to help you prepare for the actual exam, the method in