

Cisco Expert-Level Training for CCIE Routing and Switching v5.0 (CIERS1)

Modality: Virtual Classroom

Duration: 5 Days

CLC: 46 Units

About this Course:

A Cisco System Hardware Engineer Certification is a well-worth certification and is incredibly useful for IT professionals in search of professional career success. On average, a System Hardware Engineer's salary is \$113,480 per year. To successfully land a reputable job in the IT market, professionals need to have advanced skillset and strong knowledge of the Cisco fundamentals.

This advanced training program is a combination of 60% practical labs and 40% theoretical courses. The training sessions targets advanced-level troubleshooting practices and include core task analysis and configuration techniques. The primary objective of this course is to utilize the unique learning curriculum to prepare professionals for CCIE Routing and Switching Practical Examination v5.0. With three distinguished evaluation techniques, this course uses Mentor Grade Feedback System to help prepare professionals for the official certification exams.

Course Objectives:

The core objectives of this course are to help professionals develop in-depth knowledge and conceptual understanding of the following key elements:

- CISCO Expert Level Training Principles for CCIE Routing and Switching
- Addressing Expert Level Network Issues
- Understanding the Baseline Status for CCIE Practical Lab in CISCO
- Performing Advanced-Level Core Task Configuration, Analysis, and Troubleshooting
- Resolving Advanced BGP Troubleshooting and Configuration Issues
- Managing IPv4 and IPv6 IP Connectivity Issues
- Performing QoS, MQC, and Multi-Core Configuration, Task Analysis, and Troubleshoot

Audience:

The course is tailored for the following group of audiences:

- Customers and Clients
- Interested Employees
- Channel Partners

Prerequisites:

Professionals planning to enroll in the Cisco Expert-Level Training for CCIE Routing and Switching

v5.0 (CIERS1) course need to comply with the following prerequisites:

- Equipped with the knowledge of layer 2 and layer 3 switching
- Fundamental Knowledge of IPv6
- Familiar with configuring EIGRP, RIP, and OSPF of IPv6 and IPv4
- Knows BGP, QoS, and multicast configuration
- Familiar with troubleshooting techniques and practices
- Having cleared the theoretical CCIE routing and switching certification exam

Course Outline:

- **Course Introduction**
- **Module 1: Cisco Expert-Level Training for CCIE R&S**
- **Module 2: Core Task Assessment (includes Performance Assessment Lab 360RSW05-LAB-CA01)**
- **Module 3: Core Task Analysis and Configuration**
- **Module 4: BGP Task Analysis and Configuration**
- **Module 5: MPLS Layer 3 VPNs**
- **Module 6: Multicast Task Analysis and Configuration**
- **Module 7: Router MQC QoS Task Analysis and Configuration**
- **Module 8: Cisco Network Services Task Analysis and Configuration**
- **Module 9: Cisco Network Troubleshooting**
- **Core and Advanced Task Assessment (consists of Performance Assessment Lab 360RSW05-LAB-GA02)**
- **Appendix A: Cisco Catalyst Switch QoS Task Analysis and Configuration**