

CCIE 360 Routing and Switching Advanced Workshop 2

Duration: 5 Days **Course Code: CIERS2**

Overview:

CIERS-2 provides an intensive, hands-on experience that includes four 8-hour Cisco CCIE-level labs and one 4-hour CCIE-style lab. Delegates perform five Performance Assessment Labs on five separate days, establishing a performance trend that allows the learners to determine their level of readiness to attempt the actual Cisco CCIE Routing and Switching lab.

After performing each of the five Performance Assessment Labs that are delivered in this course, learners receive detailed feedback on each section of the lab. This feedback includes a web-linked Score Card.

Delegates will be able to refine their end-to-end test-taking strategies and methods by applying these strategies and methods to five labs on five consecutive days. This approach helps to refine both time and stress-management techniques.

Delegates will need to bring their own laptops to this class as Cisco will provide the courseware electronically. Delegates should expect the days to be long.

Students booking this workshop as a standalone product, not bundled with e-learning will also receive access to preassessment lab, Workbook (20 labs) Reference Library 200 hours virtual rack rental

Target Audience:

This course is designed for: Anyone who is in the final phase of preparation for the Cisco CCIE® Routing and Switching lab exam and who is within three to six weeks of the lab date.

Objectives:

- Upon completing this course, the learner will be able to meet these overall objectives:
- Perform expert-level tasks involving both configuring and troubleshooting WAN technologies and switched Ethernet networks
- Perform expert-level tasks involving both configuring and troubleshooting RIPv2, EIGRP, and OSPF
- Perform expert-level tasks for both configuring and troubleshooting route redistribution
- Perform expert-level tasks for both configuring and troubleshooting BGP
- Perform expert-level tasks for both configuring and troubleshooting MPLS Layer 3 VPNs
- Perform expert-level tasks for both configuring and troubleshooting IPv4 multicast
- Perform expert-level tasks for both configuring and troubleshooting IPv6 unicast and multicast connectivity
- Perform expert-level tasks for both configuring and troubleshooting router QoS using the MQC
- Perform expert-level tasks for both configuring and troubleshooting Cisco Catalyst 3560 Series QoS
- Perform expert-level tasks for both configuring and troubleshooting IP services

Prerequisites:

The knowledge and skills that a learner must have before attending this course are as follows:

- Passed the CCIE R&S written exam 350-001(v4) or 400-101 (v5)
- Completed Cisco Advanced Instructor-led Workshop I (CIERS-1) or its equivalent, or haverecorded a strong attempt at the actual Cisco CCIE Routing and Switching lab.
- Possess a solid understanding of the core technologies that are encountered in the Cisco CCIE Routing and Switching lab. These technologies include: Cisco CatalystSwitch baseline tasks, Open Shortest Path First (OSPF), Enhanced Interior Gateway Routing Protocol (EIGRP), Routing Information Protocol version 2 (RIPv2),

Testing and Certification

Recommended as preparation for:

The Cisco CCIE Practical Exam.

The CCIE lab exam is an eight-hour, hands-on exam which requires you to configure and troubleshoot a series of complex networks to given specifications. Knowledge of troubleshooting is an important skill and candidates are expected to diagnose and solve issues as part of the CCIE lab exam. You will not configure end-user systems, but are responsible for all devices residing in the network (hubs, etc.). Point values and testing criteria are provided.

Follow-on-Courses:

The following courses and program components are recommended for further study:

- CCIE 360 R&S Practice Labs
- CCIE 360 R&S Exercise Workbook

Content:

Day One - 12 hour day.

Formulating a Final-Phase CCIE Preparation Strategy

- Subdividing an Expert-Level Lab
- Using Mental Simulations and Options Analysis
- Verifying Your Implementation
- Formulating and Applying Internetworking Techniques

Troubleshooting Cisco Networks

- Cisco Troubleshooting
- Troubleshooting a Problem
- Troubleshooting Template

Graded Assessment Labs

- Graded Assessment Lab 360RSW-LAB-TA03 - Troubleshooting Section
- Graded Assessment Lab 360RSW-LAB-CA03 - Configuration Section
- Review of Lab 360RSW-LAB-TA03 and Score Report
- Review of Lab 360RSW-LAB-CA03 and Score report

Day Two - 12 hour day

- Perform Graded assessment lab 360RSW-LAB-TA04 Troubleshooting Section
- Perform Graded assessment lab 360RSW-LAB-CA04 Configuration Section
- Review of Lab 360RSW-LAB-TA04 and Score Report
- Review of lab 360RSW-LAB-CA04 and Score report

Day Three - 12 hour day

- Perform Graded assessment lab 360RSW-LAB-TA05 Troubleshooting Section
- Perform Graded assessment lab 360RSW-LAB-CA05 Configuration Section
- Review of Lab 360RSW-LAB-TA05 and Score Report
- Review of Lab 360RSW-LAB-CA05 and Score report

Day Four - 12 hour day

- Perform Graded assessment lab 360RSW-LAB-TA06 Troubleshooting Section
- Perform Graded assessment lab 360RSW-LAB-CA06 Configuration Section
- Review of Lab 360RSW-LAB-TA06 and Score Report
- Review of Lab 360RSW-LAB-CA06 and Score report

Day 5 - 6-8 hour day

- Perform Graded assessment lab 360RSW-LAB-TA07 Troubleshooting Section
- Perform Graded assessment lab 360RSW-LAB-CA07 Configuration Section
- Review of Lab 360RSW-LAB-TA07 and Score Report
- Review of Lab 360RSW-LAB-CA07 and Score report

Lab Outline

- Day1: 360-RSW-LAB-TC03 and CA03 (8 hours and 15 topics; level of difficulty: moderate)
- Day2:360-RSW-LAB-TC04 and CA04 (8 hours and 16 topics; level of difficulty: difficult)
- Day3:360-RSW-LAB-TC05 and CA05 (8 hours and 14 topics; level of difficulty: difficult)
- Day4: 360-RSW-LAB-TC06 and CA06 (8 hours and 14 topics; level of difficulty: moderate)
- Day5: 360-RSW-LAB-TC07 and CA07 (4 hours and 7 topics; level of difficulty: easy)

When performing each of these labs, learners are allowed to ask the instructor any question. Learners should frame each question as

- A Cisco CCIE proctor-style question to emulate the actual CCIE lab experience,

A standard instructor style question to maximize the learning and knowledge-transfer experience.

Additional Information:

Certification candidates are expected to have an in-depth understanding of the topics in the exam blueprints and are strongly encouraged to have three to five years of job experience before attempting certification. This class is just one part of the Cisco CCIE 360 Learning Program for Routing and Switching ,an immersive and comprehensive educational suite designed to build expert-level skills, not merely deliver a passing CCIE exam score. We strongly recommend that you take CIERS1 before attending CIERS2. We also recommend that you take this class three to six weeks prior to your CCIE lab exam.

Further Information:

For More information, or to book your course, please call us on +254 713 027 191

training@clclearningafrica.com

www.clclearningafrica.com

Computer Learning Centre 2nd Floor Museum Hill Centre, Muthithi Road, Westlands, Nairobi, Kenya