Cisco Certified Design Expert Bootcamp

COURSE OVERVIEW:

The Cisco Certified Design Expert (CCDE) is for expert-level network design engineers, expert-level network leads of IT infrastructure teams, and expert-level network leads of architecture teams working in job roles that require them to translate business needs, budget, and operational constraints into the design of a converged solution. The CCDE curriculum prepares designers to develop design solutions at the infrastructure level for large customer networks. Network engineers holding an active CCDE certification are recognized for their expert-level knowledge and skills in network infrastructure design. The deep technical networking knowledge that a CCDE brings ensures that they are well qualified to address the most technically challenging network infrastructure design assignments.

WHO WILL BENEFIT FROM THIS COURSE?

This certification is intended for candidates who have day-to-day responsibilities for designing an IP network. It recognizes senior-level infrastructure design and architecture expertise in the marketplace and gives senior operations and support network engineers a validated professional development path for moving into a network architecture role that participates in business strategy.

The CCDE Advanced Design Workshop will prepare candidates for the practical lab exam, which must be passed in order to achieve full CCDE certification.

PREREQUISITES:

Candidates must first pass a written qualification exam and then the corresponding practical exam. You must pass the practical exam within three years of passing the written exam in order to achieve certification. Your first lab attempt must be made within 18 months. CCDE certifications are valid for two years and must be re-certified every two years thereafter.

To re-certify, pass ONE of the following before the certification expiration date:
- Pass any current CCIE Written Exam OR CCIE lab exam, or
- Pass the current CCDE Written Exam OR current CCDE Practical Exam, or
- Pass the Cisco Certified Architect (CCAr) interview AND the CCAr board review to extend lower certifications.

COURSE OBJECTIVES:

Cisco created the CCDE program to recognize senior-level network designers and architects. The program also gives senior operations and support network engineers a validated professional development path for moving into a network architecture role that participates in business strategy.

The CCDE certification is intended for candidates who have day-to-day responsibilities for designing an IP network.

COURSE OUTLINE:

Day 1:
- Course Overview
- Exam Overview
- Technologies Covered – Study Material
- Books to Study
- OSPF Design and Optimization Concepts
- OSPF Specific Scenario & Discussion

Day 2:
- IS-IS Design and Optimization
- IS-IS Specific Scenario & Discussion

Day 3:
- BGP Design and Optimization
- BGP Specific Scenario & Discussion

Day 4:
- MPLS Design and Optimization
- MPLS Specific Scenario & Discussion

Day 5:
- Other Technologies
- QoS
- Voice
- Security
- Network Management

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Sunset Learning Institute (SLI) has been an innovative leader in developing and delivering authorized technical training since 1996. Our goal is to help our customers optimize their cloud technology investments by providing convenient, high quality technical training that our customers can rely on. We empower students to master their desired technologies for their unique environments.

What sets SLI apart is not only our immense selection of trainings options, but our convenient and consistent delivery system. No matter how complex your environment is or where you are located, SLI is sure to have a training solution that you can count on!

Premiere World Class Instruction Team
- All SLI instructors have a four-year technical degree, instructor level certifications and field consulting work experience.
- Sunset Learning has won numerous Instructor Excellence and Instructor Quality Distinction awards since 2012

Enhanced Learning Experience
- The goal of our instructors during class is ensure students understand the material, guide them through our labs and encourage questions and interactive discussions.

Convenient and Reliable Training Experience
- You have the option to attend classes at any of our established training facilities or from the convenience of your home or office with the use of our HD-ILT network (High Definition Instructor Led Training)
- All Sunset Learning Institute classes are guaranteed to run – you can count on us to deliver the training you need when you need it!

Outstanding Customer Service
- Dedicated account manager to suggest the optimal learning path for you and your team
- Enthusiastic Student Services team available to answer any questions and ensure a quality training experience