Training Course SWITCH (642-813)

Description: This course will ensure you have the important knowledge and skills necessary to plan, configure and verify the implementation of complex enterprise switching solutions using Cisco's Campus Enterprise Architecture. The SWITCH course also covers secure integration of VLANs, WLANs, voice and video into campus networks.

QUICKCERT - PRODUCT FEATURES

QuickCert combines proven learning methodologies with the latest technology, ensuring that you have the tools you need to succeed and that get the most value from your IT training investment.

Expert Instructor-Led Training delivered via streaming video

QuickCert's instructors are not just certified in their area of expertise. They also have years of real-world experience and are subject matter experts in their fields. Our courses feature video modules of our instructors teaching the information directly to you. Each course contains 30 – 50 hours of prerecorded classroom training. This creates a personal learning experience and simulates the benefits of classroom learning- without leaving the comfort of your home or office.

Live Labs

With the IT industry becoming increasingly more complex through constant emergence of new technology; IT professionals that have trained to be certified using a hands-on method ensures they perform at their highest level. With the addition of live labs to QuickCert's already industry leading training method, students have the ability to practice with the equipment they will be using before ever laying hands on a live infrastructure. With the IT market, and subsequently IT training constantly growing, QuickCert has differentiated themselves from the competition by building a true live environment that allows students to develop skill-sets never before possible within online training. These labs are available to QuickCert's students 24 hours a day and allow for a true custom experience to develop hands on skills. Not only can a student practice these labs throughout their training but they also have the ability to chat with other students and instructors throughout the process. QuickCert has taken self-paced training and mixed in features standard of an online degree program. Essentially marrying the two styles to create online classes that are unmatched in today's IT training industry.

Live Instructor Support

The addition of QuickCert's Live Support will allow students to work one on one with a leading industry instructor. Adding this level of personal support will provide students with the ability to speak with the same instructor as on their pre-recorded training lectures. The concept behind this new feature is simple; keep student engaged throughout their training. QuickCert continues its commitment to involve students throughout their courses. With this new feature, QuickCert has combined the advantages of in-class training with their award winning self-paced education. The combination of these two methodologies has led to a significant increase in the pass rate of QuickCert students, which is at an all-time high of 97%.

e-book library

Rapid change in today's business environment puts you and your team under constant pressure and mounting demands. Workers need to know more and do more, frequently learning as they go. The QuickCert e-book library gives you access to over 180 technical titles by the industry's leading publishers. You will have quick and ready access to trusted industry knowledge on all top certifications for Microsoft, CompTIA, Cisco, Oracle, Citrix, ITIL, Security certifications and many more.

Accredited, Approved Course Curriculum

QuickCert's complete IT Training Library is accredited through our partner schools, Austin Community College and University of Wisconsin, Waukesha. As a Microsoft Certified Partner, CompTIA Board Member and EC-Council Authorized Training Center for online learning, QuickCert incorporates the official approved curriculum into our Computer-Based-Training, guaranteeing you receive the information and training needed to get you certified.

Demonstrations and Hands-On Lab Learning

Our courseware includes instructor-led demonstrations and hands-on lab exercises that allow you to practice what you learn in a fully functional, simulated environment. You will learn how to implement what
you have learned to build skills for your chosen area of study and to pass your exams.

Practice Tests and Exam Simulators
QuickCert incorporates practice tests and certification exam simulators into all of our courseware. The flexibility of QuickCert's practice tests and exam simulators allow you to apply your knowledge and test what you have learned, ensuring you have the skills and confidence needed to pass your exams - the first time.

Multimedia Presentations
Incorporating PowerPoint, Flash animations, charts, graphs, graphics and other relevant course material enhances the user experience of our computer based training modules. The use of multimedia reinforces key learning material and creates a more stimulating user experience.

Navigation and Controls
QuickCert's self-paced elearning courseware is designed to give you the freedom to proceed through each training class at your own pace. Courses are arranged in sections, with navigation and controls that allow you to fast forward, skip, go back, stop, restart, and control the pace of your training. You can stop at any time and easily find where you left off in your training.

Unlimited Customer Support
With any purchase of QuickCert training material, you are guaranteed access to our staff of training and support professionals for one year. Accessible by phone and email, our staff is here to help you get the most out of your training or to answer technical questions.

Money-Back Guarantee
Simply stated - you will pass your certification exam if you use QuickCert's training materials - or we will refund your purchase. Our quality courseware, packed with instruction, exercises, practice exams and test simulators will ensure you pass the exam.

Free Product Upgrades!
Any changes made to your course or content will receive an automatic free upgrade for 12 months from the purchase date. This guarantees you always have the latest content available!

Contents:
Implement VLAN based solution, given a network design and a set of requirements

Determine network resources needed for implementing a VLAN based solution on a network
Create a VLAN based implementation plan
Create a VLAN based verification plan
Configure switch-to-switch connectivity for the VLAN based solution
Configure loop prevention for the VLAN based solution
Configure Access Ports for the VLAN based solution
Verify the VLAN based solution was implemented properly using show and debug commands
Document results of VLAN implementation and verification

Implement a Security Extension of a Layer 2 solution, given a network design and a set of requirements

Determine network resources needed for implementing a Security solution
Create a implementation plan for the Security solution
Create a verification plan for the Security solution
Configure port security features
Configure general switch security features
Configure private VLANs Configure VACL and PACL
Verify the Security based solution was implemented properly using show and debug commands
Document results of Security implementation and verification

Implement Switch based Layer 3 services, given a network design and a set of requirements

Determine network resources needed for implementing a Switch based Layer 3 solution
Create an implementation plan for the Switch based Layer 3 solution
Create a verification plan for the Switch based Layer 3 solution
Configure routing interfaces Configure Layer 3 Security
Verify the Switch based Layer 3 solution was implemented properly using show and debug commands
Document results of Switch based Layer 3 implementation and verification
Prepare infrastructure to support advanced services

Implement a Wireless Extension of a Layer 2 solution
Implement a VoIP support solution
Implement video support solution

Implement High Availability, given a network design and a set of requirements

Determine network resources needed for implementing High Availability on a network
Create a High Availability implementation plan
Create a High Availability verification plan
Implement first hop redundancy protocols
Implement switch supervisor redundancy
Verify High Availability solution was implemented properly using show and debug commands
Document results of High Availability implementation and verification

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