



MICROSOFT TRAINING

Implementing Devops Solutions And Practices Using Cisco Platforms Devops V1 0 Quiz Questions Answers

Master DevOps implementation on Cisco platforms. Learn to automate and optimize IT operations for modern, scalable solutions.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This intermediate-level course, "Implementing Devops Solutions And Practices Using Cisco Platforms Devops V1 0 Quiz Questions Answers," is meticulously designed for IT professionals seeking to validate and deepen their understanding of DevOps principles applied within complex IT infrastructures, specifically those leveraging Cisco platforms. While the vendor is Microsoft, this course bridges the gap by focusing on the practical application of DevOps methodologies in environments that often include Cisco networking and security solutions, preparing learners to effectively answer scenario-based questions encountered in certification exams.

Participants will gain a comprehensive grasp of core DevOps concepts such as continuous integration, continuous delivery, infrastructure as code, and automation, all contextualized with an emphasis on how these practices integrate with and optimize Cisco-centric systems. The professional benefits include enhanced problem-solving skills for modern IT challenges, a stronger competitive edge in roles requiring both DevOps expertise and network infrastructure understanding, and a robust foundation for pursuing advanced certifications in both DevOps and network automation. This specialized focus ensures that IT professionals are not only theoretical experts but also practical implementers, ready to drive efficiency and innovation in their organizations.

Duration	2 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Introduction to DevOps Principles and Foundational Concepts

- What is DevOps: Culture, Automation, Lean, Measurement, Sharing (CALMS)
- Key DevOps Practices: CI/CD, IaC, Monitoring, Collaboration
- Benefits of adopting DevOps in enterprise environments
- Understanding the DevOps lifecycle

02 Module 2: Version Control and Infrastructure as Code (IaC)

- Fundamentals of Git and version control systems
- Principles of Infrastructure as Code
- Automating infrastructure provisioning with IaC tools (e.g., Terraform, Ansible basics)
- Applying IaC to network configurations and Cisco devices

03 Module 3: Continuous Integration and Continuous Delivery (CI/CD) Fundamentals

- Understanding CI/CD pipelines and their components
- Tools for CI/CD implementation (e.g., Azure DevOps Pipelines, Jenkins concepts)
- Automating testing and deployment processes
- Integrating network configuration validation into CI/CD

04 Module 4: DevOps in Networking and Cisco Platform Integration

- Network programmability concepts (APIs, NETCONF, RESTCONF)
- DevOps practices for managing Cisco network devices (e.g., DNA Center, Meraki APIs conceptual overview)
- Automating network changes and configurations
- Monitoring and logging network infrastructure within a DevOps framework

Module 5: Monitoring, Feedback Loops, and Incident Management

- 05**
- Implementing effective monitoring and alerting strategies
 - Collecting and analyzing logs for operational insights
 - Establishing feedback loops for continuous improvement
 - DevOps approach to incident response and post-mortem analysis

06 **Module 6: DevOps V1.0 Quiz Questions and Answer Strategies**

- Review of core DevOps concepts relevant to V1.0 assessments
- Techniques for approaching scenario-based questions
- Deep dive into common challenging topics related to Cisco platform integration
- Practice quiz questions and detailed answer explanations

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **DevOps Engineer (with Network Automation Specialization)**
- > **Network Automation Engineer**
- > **Cloud Infrastructure Engineer (focus on hybrid environments with Cisco integration)**

FREQUENTLY ASKED QUESTIONS

Q: What specific Cisco platforms or technologies are covered within the context of DevOps practices in this quiz-focused course?

This course focuses on integrating DevOps principles with general Cisco platform concepts rather than deep-diving into specific product configurations. It covers aspects like network programmability (using APIs like NETCONF/RESTCONF), infrastructure as code for network devices, and how tools like Cisco DNA Center or Meraki APIs fit into a larger automation strategy within a DevOps pipeline. The goal is to provide a conceptual understanding for answering quiz questions related to DevOps in a Cisco-centric environment.

Q: What prior knowledge or prerequisites are recommended to maximize learning from this DevOps V1.0 quiz questions and answers course?

To get the most out of this course, participants should have an intermediate understanding of fundamental IT concepts, including basic networking principles and familiarity with operating systems. Prior exposure to basic programming or scripting (e.g., Python), version control systems (like Git), and general cloud computing concepts would be highly beneficial, as this course is designed for validating and refining existing DevOps knowledge in a specific context.

Q: How does successfully engaging with this course enhance my career prospects as a DevOps professional, particularly in network-centric environments?

Engaging with this course significantly boosts your career by validating your expertise in applying DevOps practices to crucial network infrastructure, a highly sought-after skill. It equips you with the specific knowledge needed to pass certification exams that cover DevOps solutions using Cisco platforms. This specialized skill set makes you an ideal candidate for roles like Network Automation Engineer, DevOps Engineer with a network focus, or Cloud Infrastructure Engineer managing hybrid environments, directly enhancing your marketability and problem-solving capabilities in complex IT landscapes.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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