CISCO 300-910

Cisco DevNet Specialist Certification Questions & Answers

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300-910

Cisco Certified DevNet Specialist DevOps

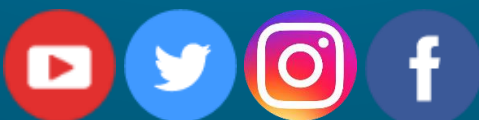**55-65 Questions Exam – Variable (750-850 / 1000 Approx.) Cut Score – Duration of 90 minutes**

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Discover More about the 300-910 Certification

Are you interested in passing the Cisco 300-910 exam? First discover, who benefits from the 300-910 certification. The 300-910 is suitable for a candidate if he wants to learn about DevNet. Passing the 300-910 exam earns you the Cisco Certified DevNet Specialist DevOps title.

While preparing for the 300-910 exam, many candidates struggle to get the necessary materials. But do not worry; your struggling days are over. The 300-910 PDF contains some of the most valuable preparation tips and the details and instant access to useful **300-910 study materials just at one click**.

Cisco 300-910 DevNet Specialist Certification Details:

Exam Name	Implementing DevOps Solutions and Practices using Cisco Platforms
Exam Number	300-910 DEVOPS
Exam Price	$300 USD
Duration	90 minutes
Number of Questions	55-65
Passing Score	Variable (750-850 / 1000 Approx.)
Recommended Training	**Implementing DevOps Solutions and Practices using Cisco Platforms (DEVOPS)**
Exam Registration	**PEARSON VUE**
Sample Questions	**Cisco 300-910 Sample Questions**
Practice Exam	**Cisco Certified DevNet Specialist DevOps Practice Test**

300-910 Syllabus:

Section	Weight	Objectives
CI/CD Pipeline	20%	- Describe characteristics and concepts of build /deploy tools such as Jenkins, Drone, or Travis CI - Identify the sequence, components, and integrations to implement a CI/CD pipeline for a given scenario - Troubleshoot issues with a CI/CD pipeline such as code-based failures, pipeline issues, and tool incompatibility - Identify tests to integrate into a CI/CD pipeline for a

Section	Weight	Objectives
		given scenario - Identify release deployment strategy (canary, rollbacks, and blue/green) for a given scenario - Diagnose code dependency management issues including API, tool chain, and libraries
Packaging and Delivery of Applications	15%	- Identify the steps to containerize an application - Identify steps to deploy multiple microservice applications - Evaluate microservices and container architecture diagrams based on technical and business requirements (security, performance, stability, and cost) - Identify safe handling practices for configuration items, application parameters, and secrets - Construct a Docker file to address application specifications - Describe the usage of golden images to deploy applications
Automating Infrastructure	20%	- Describe how to integrate DevOps practices into an existing organization structure - Describe the use of configuration management tools to automate infrastructure services such as Ansible, Puppet, Terraform, and Chef - Construct an Ansible playbook to automate an application deployment of infrastructure services - Construct a Terraform configuration to automate an application deployment of infrastructure services - Describe the practice and benefits of Infrastructure as Code - Design a pre-check validation of the network state in a CI/CD pipeline for a given scenario - Design a pre-check validation of the application infrastructure in a CI/CD pipeline for a given scenario - Describe the concepts of extending DevOps practices to the network for NetDevOps - Identify the requirements such as memory, disk I/O, network, and CPU needed to scale the application or service
Cloud and Multicloud	15%	- Describe the concepts and objects of Kubernetes - Deploy applications to a Kubernetes cluster - Utilize objects of Kubernetes to build a deployment to meet requirements - Interpret the pipeline for continuous delivery of a Drone configuration file - Validate the success of an application deployment on

Section	Weight	Objectives
		Kubernetes - Describe method and considerations to deploy an application to multiple environments such as multiple cloud providers, high availability configurations, disaster recovery configurations, and testing cloud portability - Describe the process of tracking and projecting costs when consuming public cloud - Describe benefits of infrastructure as code for repeatable public cloud consumption - Compare cloud services strategies (build versus buy)
Logging, Monitoring, and Metrics	20%	- Identify the elements of log and metric systems to facilitate application troubleshooting such as performance issues and streaming telemetry logs - Implement a log collection and reporting system for applications • aggregate logs from multiple related applications • search capabilities • reporting capabilities - Troubleshoot a distributed application using AppDynamics with Application Performance Monitoring - Describe the principles of chaos engineering - Construct Python scripts that use APIs to accomplish these tasks • build a monitoring dashboard • notify Webex Teams space • responding to alerts and outages • creating notifications • health check monitoring • opening and closing incidents - Identify additional application requirements to provide visibility into application health and performance - Describe Kubernetes capabilities related to logging, monitoring, and metrics - Describe the integration of logging, monitoring and alerting in a CI/CD pipeline design
Security	10%	- Identify methods to secure an application and infrastructure during production and testing in a CI/CD pipeline

Section	Weight	Objectives
		- Identify methods to implement a secure software development life cycle

Broaden Your Knowledge with Cisco 300-910 Sample Questions:

Question: 1

Which type of security testing should be performed as a part of a CI/CD pipeline by analyzing the source code itself without compiling the code into a running executable?

a) Dynamic Application Security Testing
b) Runtime Application Health-Protection
c) Continuous Application Security Testing
d) Static Analysis Security Testing

Answer: d

Question: 2

A user wants to deploy a new service to a Kubernetes cluster. Which two commands accomplish this goal? (Choose two.)

a) Apply
b) Install
c) Deploy
d) Create
e) Expose

Answer: a, e

Question: 3

To make logging searches more efficient and useful in Kibana, an Administrator wants to implement index patterns around the hostname of some software systems. Where should this be configured?

a) Configure a new JSON object in Kibana.
b) Create a search index in Logstash.
c) Create an index pattern in Kibana.
d) Create a time filter on Kibana to look at time only.

Answer: c

Question: 4

Microservices architecture pattern has been applied and the system has been architected as a set of services. Each service is deployed as a set of instances for throughput and availability. In which two ways are these services packaged and deployed? (Choose two.)

a) Service instances must be isolated from one another.
b) Service must be independently deployable and scalable.
c) Service are written using the same languages, frameworks, and framework versions.
d) Service must be dependent, deployable, and scalable.
e) Service instances do not need to be isolated from one another.

Answer: a, b

Question: 5

Which interface is most commonly used to integrate logging, monitoring, and alerting applications into your CI/ CD pipeline?

a) AMQP
b) SNMP
c) SSH
d) REST

Answer: c

Question: 6

How does eliminating hardcoded or default passwords help to secure an environment?

a) helps by enforcing your password in a repository and storing it in a secure vault
b) helps to manage passwords centrally
c) helps penetration testing team to focus on other issues more efficiently
d) helps by removing back doors in your environments

Answer: a

Question: 7

Which two actions help limit the attack surface of your Docker container? (Choose two.)

a) Run only a single service in each container.
b) Run all services in a single image.
c) Use version tags for base images and dependencies.
d) Use Kali Linux as a base image.
e) Download images over HTTPS supporting sites.

Answer: c, e

Question: 8

An end user is seeing long web page load times on the internal business application that they are trying to view. The user is seeing this issue across multiple web browsers, and other users encounter the same issue.

Which action should the system administrator take to start looking for the cause of this issue?

  a) Check to make sure Nginx is running.
  b) Check for response times in Nginx logs.
  c) Check to make sure the web API response is coming back in JSON.
  d) Check the size of the database that the application is using.

Answer: b

Question: 9

The E-commerce application is being monitored using AppDynamics. AppDynamics has noticed that the application response has degraded and has identified some thread contention that might be the cause of the delays.

Where in the interface does AppDynamics bring this to your attention?

  a) Potential Issues section of an individual transaction
  b) Transaction Score graph of a business transaction
  c) Code Deadlock section of the Event List
  d) Slow Calls and Errors tab of the application

Answer: a

Question: 10

A developer is nearing the end of a software development cycle and is ready to deploy the software.

The customer wants to continue using a secure software development lifecycle methodology and must plan for postproduction components.

Which two areas should be the developer address?

(Choose two.)

  a) performing code reviews
  b) requirement gathering
  c) change management process
  d) new code scanning
  e) rollback plans

Answer: a, c

Avail the Study Guide to Pass Cisco 300-910 DevNet Specialist Exam:

- Find out about the 300-910 syllabus topics. Visiting the official site offers an idea about the exam structure and other important study resources. Going through the syllabus topics help to plan the exam in an organized manner.
- Once you are done exploring the **300-910 syllabus**, it is time to plan for studying and covering the syllabus topics from the core. Chalk out the best plan for yourself to cover each part of the syllabus in a hassle-free manner.
- A study schedule helps you to stay calm throughout your exam preparation. It should contain your materials and thoughts like study hours, number of topics for daily studying mentioned on it. The best bet to clear the exam is to follow your schedule rigorously.
- The candidate should not miss out on the scope to learn from the 300-910 training. Joining the Cisco provided training for 300-910 exam helps a candidate to strengthen his practical knowledge base from the certification.
- Learning about the probable questions and gaining knowledge regarding the exam structure helps a lot. Go through the **300-910 sample questions** and boost your knowledge
- Make yourself a pro through online practicing the syllabus topics. 300-910 practice tests would guide you on your strengths and weaknesses regarding the syllabus topics. Through rigorous practicing, you can improve the weaker sections too. Learn well about time management during exam and become confident gradually with practice tests.

Career Benefits:

Passing the 300-910 exam, helps a candidate to prosper highly in his career. Having the certification on the resume adds to the candidate's benefit and helps to get the best opportunities.

Here Is the Trusted Practice Test for the 300-910 Certification

NWExam.com is here with all the necessary details regarding the 300-910 exam. We provide authentic practice tests for the 300-910 exam. What do you gain from these practice tests? You get to experience the real exam-like questions made by industry experts and get a scope to improve your performance in the actual exam. Rely on NWExam.com for rigorous, unlimited two-month attempts on the **300-910 practice tests**, and gradually build your confidence. Rigorous practice made many aspirants successful and made their journey easy towards grabbing the Cisco Certified DevNet Specialist DevOps.

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