CISCO 300-910

Cisco DevNet Specialist Certification Questions & Answers

Exam Summary – Syllabus – Questions

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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Know Your 300-910 Certification Well:

The 300-910 is best suitable for candidates who want to gain knowledge in the Cisco DevNet. Before you start your 300-910 preparation you may struggle to get all the crucial DevNet Specialist materials like 300-910 syllabus, sample questions, study guide.

But don't worry the 300-910 PDF is here to help you prepare in a stress free manner.
The PDF is a combination of all your queries like-
- What is in the 300-910 syllabus?
- How many questions are there in the 300-910 exam?
- Which Practice test would help me to pass the 300-910 exam at the first attempt?

Passing the 300-910 exam makes you Cisco Certified DevNet Specialist DevOps. Having the DevNet Specialist certification opens multiple opportunities for you. You can grab a new job, get a higher salary or simply get recognition within your current organization.

Cisco 300-910 DevNet Specialist Certification Details:

Exam Name	Implementing DevOps Solutions and Practices using Cisco Platforms
Exam Code	300-910
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 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

Section	Weight	Objectives
		requirements - Interpret the pipeline for continuous delivery of a Drone configuration file - Validate the success of an application deployment on 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

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

Cisco 300-910 Sample Questions:

Question: 1

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: 2

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: 3

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: 4

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: 5

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

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

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: 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

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: 10

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

Study Guide to Crack Cisco DevNet Specialist 300-910 Exam:

- Getting details of the 300-910 syllabus, is the first step of a study plan. This pdf is going to be of ultimate help. Completion of the syllabus is must to pass the 300-910 exam.
- Making a schedule is vital. A structured method of preparation leads to success. A candidate must plan his schedule and follow it rigorously to attain success.
- Joining the Cisco provided training for 300-910 exam could be of much help. If there is specific training for the exam, you can discover it from the link above.

- Read from the 300-910 sample questions to gain your idea about the actual exam questions. In this PDF useful sample questions are provided to make your exam preparation easy.
- Practicing on 300-910 practice tests is must. Continuous practice will make you an expert in all syllabus areas.

Reliable Online Practice Test for 300-910 Certification

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