SOC - CG - DevOps Engineer - 13 Dec

Total Score: 1450.0 out of 1500.0.

Percentage Score: 96.67 %.

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Candidate Achieved	1450.0
Maximum Score	1500.0
Percentage Achieved	96.67%

Topic Wise Analysis

Topic	Total	Score	Percent
Devops Engineer	1500	1450	96.0

Recommendation by NovelVista AI Engine

a) Theoretical Skill Enhancement Plan

1 Watch the DevOps tutorials on YouTube to get an overview of the various aspects of DevOps processes 2 Read the DevOps Survival Guide for an indepth look at DevOps principles and practices 3 Learn about the various DevOps tools and how they can be used to streamline workflows 4 Take a course on DevOps to get a better understanding of the concepts and techniques used in the DevOps process 5 Attend a webinar or conference on DevOps 6 Sign up for an online DevOps certification program 7 Follow DevOpsfocused blogs to keep up with the latest trends in the DevOps world 8 Network with other DevOps professionals 9 Join DevOpsfocused forums and groups 10 Practice DevOps principles and techniques on your own projects

b) Practical Skill Enhancement Plan

1 Set up a development environment and practice creating and deploying applications 2 Use automation tools to create repeatable processes 3

Experiment with version control systems like Git and SVN 4 Try out new DevOps tools and technologies 5 Work on projects that involve deployment automation and continuous integration 6 Practice setting up and managing cloud infrastructure 7 Experiment with container technologies like Docker and Kubernetes 8 Analyze system performance and identify areas of improvement 9 Explore different deployment strategies 10 Set up DevOps dashboards to monitor performance 11 Participate in hackathons and DevOps competitions 12 Work on open source projects related to DevOps 13 Take part in online communities and forums 14 Read about DevOps best practices and case studies 15 Ask questions and seek feedback from other DevOps professionals

c) Plan Of Action
Day 1: Watch YouTube videos and read the DevOps Survival Guide to get a good understanding of the basics Day 2: Practice setting up a development environment and deploying applications Day 3: Experiment with version control systems and cloud infrastructure Day 4: Work on projects that involve automation continuous integration and container technologies Day 5: Analyze system performance and explore different deployment strategies Day 6: Set up DevOps dashboards and participate in hackathons or online communities Day 7: Read DevOps best practices and case studies and ask questions to seek feedback

Questions And Answers

Question 1 of 15

Which is not a DevOps goal?

Correct Answer : Keeping to regular working hours
You chose: Keeping to regular working hours
Options :
•Reducing testing time
•Designing the simplest solution to meet requirements
•Producing software to the highest quality
•Keeping to regular working hours

Question 2 of 15

What does CIA stand for?

Correct Answer : Cryptography, Integrity, Availability
You chose: Cryptography, Integrity, Availability
Options :
•Confidentiality, Integrity, Availability
•Coding, Integration, Availability

•Confidentiality, Integration, Access
•Cryptography, Integrity, Availability

Question 3 of 15

What is a benefit of having Development and Operations using a shared tool?

Correct Answer : A unified backlog, where everyone prioritizes improvement projects from a global perspective.
You chose: A unified backlog, where everyone prioritizes improvement projects from a global perspective.

Options :

•A unified backlog, where everyone prioritizes improvement projects from a global perspective.

•Developers get feedback on how their applications perform in production, which includes fixing it when it breaks.

•Enabling the team to perform deployments during normal business hours and conducting simple changeovers.

•Transforming Operations knowledge into automated code that can be far more reliable and widely reused.

Question 4 of 15

A bank needs longer timescales to bring new or changed offerings to market, due to delays in the creation of new environments by Operations engineers. What is true about the automatic creation of environments?

Correct Answer : Automatically created environments can be used for all environments.
You chose: Automatically created environments can be used for all environments.

Options :

•Automatically created environments can be used for all environments.

•Automatically created environments can be used for all environments except the production environment due to security restrictions.

•DevOps requires a review by Operations when automatically creating environments in production due to the four eyes principle.

•DevOps requires the manual agreement of Operations when automatically creating environments in production due to the four eyes principle.

Question 5 of 15

Which tooling can best be used to automate the building and configuration of environments?

Correct Answer : Infrastructure as code configuration management tools that enable the programmers in changing the environments themselves
You chose: Infrastructure as code configuration management tools that enable the programmers in changing the environments themselves

Options :

•A ticketing system for the provision of a development, test or acceptance environment

•A tool that copies the production environment settings to the development, test and acceptance environments

•Configuration files per environment that are manually distributed and maintained in order to keep the environments in sync

•Infrastructure as code configuration management tools that enable the programmers in changing the environments themselves

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Question 6 of 15

Which is not an Integrated Development Environment?

Correct Answer : Camel
You chose: Camel

Options :

•Camel

•Eclipse

•Intellij

•Xcode

Question 7 of 15

What is the main benefit of automated provisioning?

Correct Answer : High speed delivery of new environments
You chose: High speed delivery of new environments

Options :

•Flexible approach to ad-hoc system changes

•Focus on operational perspective to control infrastructure changes

•High speed delivery of new environments

•Variability in application environments

Question 8 of 15

Which component provides the first feedback on the quality of committed application code changes?

Correct Answer : Automated Build
You chose: Automated Build
Options :
•Automated Provisioning
•Automated Build
•Automated Test
•Automated Deployment

Question 9 of 15

What does a checkout do in Git?

Correct Answer : Local changes to files get undone
You chose: Local changes to files get undone
Options :
•It creates a local copy of the master repository
•It makes files available to edit
•Local changes to files get undone
•It updates the local copy from the master

Question 10 of 15

What is true about a distributed source control system?

Correct Answer : Each user has a full local copy of the repository
You chose: Each user has a full local copy of the repository
Options :
•Only one person can change a file at a time
•Each user has a full local copy of the repository
•The master repository contains the latest changes
•Users must synchronize with the master repository before making changes

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Question 11 of 15

Which is not a client server version control system?

Correct Answer : RCS
You chose: RCS
Options :
•RCS
•CVS
•SVN
•Perforce

Question 12 of 15

What is the default text editor for the Bash shell with a Windows-based Git install?

Correct Answer : Vim
You chose: Vim
Options :
•Emacs
•Vim
•Notepad++
•Bash

Question 13 of 15

Which of the following is not a Git configuration scope?

Correct Answer : User
You chose: User
Options :
•Local
•User
•System
•Global

Question 14 of 15

What is the purpose of a Continuous Integration tool?

Correct Answer : To detect commits that break the build early
You chose: To detect commits that break the build early
Options :
•To detect commits that break the build early
•To ensure that all tests are run
•To verify that the source control system is up-to-date
•To name and shame developers who break the build

Question 15 of 15

Which of these is a release management tool?

Correct Answer : Task scheduling
You chose: Task scheduling
Options :
•Interpreters
•Task scheduling
•Mocking frameworks
•UML modelling
