

SOC - CG - DevOps Engineer - 13 Dec

Total Score: 700.0 out of 1500.0.

Percentage Score: 46.67 %.

Candidate Name	Vipul .
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Candidate Achieved	700.0
Maximum Score	1500.0
Percentage Achieved	46.67%

Topic Wise Analysis

Topic	Total	Score	Percent
Devops Engineer	1500	700	46.0

Recommendation by NovelVista AI Engine

a) Theoretical Skill Enhancement Plan

The user should focus on understanding the basics of DevOps and its key components such as Continuous Integration Continuous Delivery and Automation The user should start with reading the relevant material and watching YouTube videos to gain an understanding of the topic Additionally the user can refer to books such as The Phoenix Project: A Novel about IT DevOps and Helping Your Business Win by Gene Kim and The DevOps Handbook: How to Create WorldClass Agility Reliability and Security in Technology Organizations by Gene Kim Jez Humble Patrick Debois and John Willis

b) Practical Skill Enhancement Plan

The user should focus on implementing the concepts of DevOps in a practical environment The user can practice setting up a Continuous IntegrationContin Delivery CI/CD pipeline using software such as Jenkins and Ansible Additionally the user can create a DevOps infrastructure using tools such as Docker and Kubernetes The user should practice deploying

applications in a Cloud environment such as Amazon Web Services AWS or Microsoft Azure The user should also be familiar with the use of source control systems such as Git

c) Plan Of Action

Day 1: Read material and watch YouTube videos to get an understanding of DevOps and its key components nDay 2: Practice setting up a CICD pipeline using Jenkins and Ansible nDay 3: Create a DevOps infrastructure using Docker and Kubernetes nDay 4: Practice deploying applications in AWS or Azure nDay 5: Practice using source control systems such as Git nDay 6: Solve example problem statements related to DevOps nDay 7: Review and revise the topics covered in the previous days

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: Confidentiality, Integration, Access

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

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.
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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.
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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: Focus on operational perspective to control infrastructure changes

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
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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: It makes files available to edit

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

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
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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
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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
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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
