

300-910^{Q&As}

Implementing DevOps Solutions and Practices using Cisco Platforms
(DEVOPS)

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QUESTION 1

What is an advantage of using configuration management tools to automate infrastructure services?

- A. eliminates the need to run integration tests within the CI/CD pipeline
- B. provides high native monitoring of services
- C. eliminates the need for CI/CD tools
- D. integrates with container orchestration

Correct Answer: C

QUESTION 2

Which two characteristics of a build tool that is used in an automated build pipeline? (Choose two.)

- A. It runs unit tests against code that is committed.
- B. It builds your software on the production environment.
- C. It builds your software when changes are committed.
- D. It builds your software every 500 milliseconds.
- E. It must have a plug-in for Puppet and Maven.

Correct Answer: BC

The two characteristics of a build tool that is used in an automated build pipeline are A) it builds your software when changes are committed and B) it runs unit tests against code that is committed. Automated build tools are used to detect changes to source code and then build the software that resulted from the change. Additionally, these tools can be configured to run unit tests against the code to ensure that it works as expected.

QUESTION 3

What is the purpose of using sysprep when developing a Microsoft Windows-based golden image process?

- A. prepares a new host to accept a hard drive image built on another machine
- B. removes all host-specific information and components from the local machine
- C. installs all the latest security patches and OS updates to the local machine
- D. writes the local hard drive image to an ISO file that can be deployed to another machine

Correct Answer: B

QUESTION 4

What is a practice of infrastructure as code?

- A. Use multiple version control systems
- B. Document as much as possible
- C. Configure the deployment consistently
- D. Test, integrate, and deploy once a day

Correct Answer: C

QUESTION 5

How long analysis systems such as Elasticsearch, Logstash, and Kibana Stack handle ingesting unstructured logs from different devices in various formats?

- A. All devices that generate syslogs must use agents that process the local logs and transmit them in a specific format to the ELK Stack.
- B. All logs are stored in their unstructured text format, and the ELK Stack performs data analysis by intelligently parsing the logs using machine learning algorithms.
- C. All different message formats are parsed separately using custom filters, and the resulting structured data is stored for later analysis.
- D. A single, comprehensive log format is defined on the ELK Stack. All incoming logs, regardless of format, are transformed to match the comprehensive format, and only applicable fields are populated.

Correct Answer: C

The ELK Stack (Elasticsearch, Logstash, and Kibana) can handle ingesting unstructured logs from various devices in different formats by running custom filters on the logs. The filters are designed to parse the log data and extract the relevant, structured information from it, which is then stored for later analysis. This allows for faster and more accurate analysis of the data, and enables more sophisticated insights to be drawn from it.

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