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## 學習資料

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**Exam** : **300-910**

**Title** : Implementing DevOps  
Solutions and Practices  
using Cisco Platforms v1.0

**Version** : DEMO

1.DRAG DROP

The IaC configuration for an application is being deployed using a CI/CD pipeline.

Drag and drop the steps for this pipeline from the left into the correct order that they would be executed on the right. Not all options are used.

**Answer Area**

Integration test of the most recent configurations is performed.	step 1
The CI tool is notified of an update.	step 2
The code repository is updated by a user.	step 3
The pipeline notifies the repository to run tests.	step 4
The configuration changes are pushed to devices.	

Answer:

**Answer Area**

Integration test of the most recent configurations is performed.	The code repository is updated by a user.
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2.A DevOps engineer must validate the working state of the network before implementing a CI/CD pipeline model.

Which configuration management tool is designed to accomplish this?

- A. Jenkins
- B. Genie CLI
- C. Travis CI

D. Python YAML data libraries

**Answer: A**

3. Which two practices help make the security of an application a more integral part of the software development lifecycle? (Choose two.)

- A. Add a step to the CI/CD pipeline that runs a dynamic code analysis tool during the pipeline execution.
- B. Add a step to the CI/CD pipeline that runs a static code analysis tool during the pipeline execution.
- C. Use only software modules that are written by the internal team.
- D. Add a step to the CI/CD pipeline to modify the release plan so that updated versions of the software are made available more often.
- E. Ensure that the code repository server has enabled drive encryption and stores the keys on a Trusted Platform Module or Hardware Security Module.

**Answer: AE**

4. A CI/CD pipeline that builds infrastructure components using Terraform must be designed. A step in the pipeline is needed that checks for errors in any of the .tf files in the working directory. It also checks the existing state of the defined infrastructure.

Which command does the pipeline run to accomplish this goal?

- A. terraform plan
- B. terraform check
- C. terraform fmt
- D. terraform validate

**Answer: D**

5. Which type of testing should be integrated into a CI/CD pipeline to ensure the correct behavior of all of the modules in the source code that were developed using TDD?

- A. soak testing
- B. unit testing
- C. load testing
- D. volume testing

**Answer: B**