

Quiz HashiCorp Terraform-Associate-004 - HashiCorp Certified: Terraform Associate (004) (HCTA0-004) Marvelous Free Practice Exams



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HashiCorp Terraform-Associate-004 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">• Terraform modules: This domain explains organizing and reusing code through modules, understanding variable scope between modules, implementing modules in configurations, and managing module versions.
Topic 2	<ul style="list-style-type: none">• HCP Terraform: This domain covers using HashiCorp Cloud Platform Terraform for infrastructure provisioning, collaboration and governance features, organizing workspaces and projects, and configuring integrations.
Topic 3	<ul style="list-style-type: none">• Core Terraform workflow: This domain focuses on the essential workflow steps: initializing directories, validating configurations, generating execution plans, applying changes, destroying infrastructure, and formatting code.
Topic 4	<ul style="list-style-type: none">• Infrastructure as Code (IaC) with Terraform: This domain covers the foundational concept of Infrastructure as Code and how Terraform enables managing resources across multiple cloud providers and services through a unified workflow.
Topic 5	<ul style="list-style-type: none">• Terraform fundamentals: This domain addresses installing and managing provider plugins, understanding Terraform's provider architecture, and how Terraform tracks infrastructure state.
Topic 6	<ul style="list-style-type: none">• Terraform state management: This domain focuses on managing Terraform's state file, understanding local and remote backends, implementing state locking, and handling resource drift.

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HashiCorp Certified: Terraform Associate (004) (HCTA0-004) Sample Questions (Q251-Q256):

NEW QUESTION # 251

What does this code do?

```
terraform { required_providers { aws = ">= 3.0" } }
```

- A. Requires any version of the AWS provider ≥ 3.0 major release. like 4.1
- B. Requires any version of the AWS provider ≥ 3.0
- **C. Requires any version of the AWS provider ≥ 3.0 and <4.0**
- D. Requires any version of the AWS provider > 3.0

Answer: C

Explanation:

From the Terraform Provider Requirements:

" ≥ 3.0 " means any version greater than or equal to 3.0- including 4.x and beyond.

A (wrong): Would need $\geq 3.0, < 4.0$

C/D (wrong): $>$ excludes 3.0 - not what's written.

NEW QUESTION # 252

Which of the following locations can Terraform use as a private source for modules? (Pick 2 correct responses)

- A. Public repository on GitHub.
- **B. Private repository on GitHub.**
- C. Public Terraform Registry.
- **D. Internally hosted VCS (Version Control System) platform.**

Answer: B,D

Explanation:

Terraform allows using private module sources hosted in:

C (Internally hosted VCS platforms, e.g., GitLab, Bitbucket, GitHub Enterprise) D (Private GitHub repositories) A (Public GitHub repository) - GitHub is supported, but a public repo is not "private".

B (Public Terraform Registry) - The public registry is not a private source.

Official Terraform Documentation Reference:

Terraform Module Sources

NEW QUESTION # 253

You have a simple Terraform configuration containing one virtual machine (VM) in a cloud provider. You run terraform apply and the VM is created successfully. What will happen if you terraform apply again immediately afterward without changing any Terraform code?

- **A. Nothing**
- B. Terraform will apply the VM to the state file.
- C. Terraform will create another duplicate VM.
- D. Terraform will terminate and recreate the VM.

Answer: A

Explanation:

Terraform follows a declarative approach, meaning it ensures the infrastructure matches the configuration.

If you run terraform apply again without any changes, Terraform will detect that the infrastructure is already up to date and will do nothing.

The command will complete successfully with the message "No changes. Your infrastructure matches the configuration." Official Terraform Documentation Reference:

Terraform Apply - HashiCorp Documentation

NEW QUESTION # 254

Which is a benefit of the Terraform state file?

- **A. A state file is a source of truth for resources provisioned with Terraform.**
- B. A state file can schedule recurring infrastructure tasks.
- C. A state file is the desired state expressed by the Terraform code files.
- D. A state file is a source of truth for resources provisioned with a public cloud console.

Answer: A

Explanation:

Rationale for Correct Answer: Terraform state is Terraform's record of what it manages: it maps resource addresses in configuration to real-world resource IDs and stores metadata needed to plan changes. That makes it a source of truth for resources Terraform is managing, enabling accurate diffs, updates, and deletes.

Analysis of Incorrect Options (Distractors):

A: Incorrect-Terraform state does not schedule jobs; that's the role of external schedulers/automation tools.

B: Incorrect-the desired state is expressed in .tf configuration, not in the state file. State reflects the current known state of managed infrastructure.

D: Incorrect-resources created manually in a cloud console are not automatically in Terraform state unless they are imported/adopted.

Key Concept: Purpose of Terraform state: resource mapping, metadata, and planning accuracy.

Reference: Terraform Objectives - Implement and Maintain State; Navigate Terraform State and Backends.

NEW QUESTION # 255

A terraform apply can not _____ infrastructure.

- A. provision
- **B. import**
- C. destroy
- D. change

Answer: B

Explanation:

The terraform import command is used to import existing infrastructure into Terraform's state. This allows Terraform to manage and destroy the imported infrastructure as part of the configuration. The terraform import command does not modify the configuration, so the imported resources must be manually added to the configuration after the import. References = [Importing Infrastructure]

NEW QUESTION # 256

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