

Terraform-Associate-004 Accurate Prep Material - Terraform-Associate-004 Test Discount



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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">• 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 3	<ul style="list-style-type: none">• Maintain infrastructure with Terraform: This domain addresses importing existing infrastructure into Terraform, inspecting state using CLI commands, and using verbose logging for troubleshooting.
Topic 4	<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 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.

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HashiCorp Certified: Terraform Associate (004) (HCTA0-004) Sample Questions (Q24-Q29):

NEW QUESTION # 24

What does Terraform use the `.terraform.lock.hcl` file for?

- A. Preventing Terraform runs from occurring
- **B. Tracking specific provider dependencies**
- C. Storing references to workspaces which are locked
- D. There is no such file

Answer: B

Explanation:

The `.terraform.lock.hcl` file is a new feature in Terraform 0.14 that records the exact versions of each provider used in your configuration. This helps ensure consistent and reproducible behavior across different machines and runs.

NEW QUESTION # 25

You add a new provider to your configuration and immediately run `terraform apply` in the CD using the local backend. Why does the apply fail?

- A. The Terraform CD needs you to log into Terraform Cloud first
- B. Terraform needs you to format your code according to best practices first
- C. Terraform requires you to manually run `terraform plan` first
- **D. Terraform needs to install the necessary plugins first**

Answer: D

Explanation:

The reason why the apply fails after adding a new provider to the configuration and immediately running `terraform apply` in the CD using the local backend is because Terraform needs to install the necessary plugins first. Terraform providers are plugins that Terraform uses to interact with various cloud services and other APIs. Each provider has a source address that determines where to download it from. When Terraform encounters a new provider in the configuration, it needs to run `terraform init` first to install the provider plugins in a local directory. Without the plugins, Terraform cannot communicate with the provider and perform the desired actions. References = [Provider Requirements], [Provider Installation]

NEW QUESTION # 26

Before you can use a remote backend, you must first execute `terraform init`.

- A. False
- **B. True**

Answer: B

Explanation:

Before using a remote backend in Terraform, it is mandatory to run `terraform init`. This command initializes a Terraform working directory, which includes configuring the backend. If a remote backend is specified, `terraform init` will set up the working directory to use it, including copying any existing state to the remote backend if necessary. References = This principle is a fundamental part of working with Terraform and its backends, as outlined in general Terraform documentation and best practices. The specific HashiCorp Terraform Associate (003) study materials in the provided files did not include direct references to this information.

NEW QUESTION # 27

By default, if you do not define a backend for your configuration, where does Terraform store information about the resources that it manages?

- A. A subdirectory of your home directory named `.terraform.d`
- B. A subdirectory of your configuration named `.terraform`

- C. A file in your configuration's directory named terraform.tfstate
- D. A file in your configuration's directory named .terraform.lock.hcl

Answer: C

Explanation:

Rationale for Correct Answer (B):

Terraform uses a state file to map real-world resources to your configuration. By default, if no backend is explicitly defined, Terraform stores this information in a file named terraform.tfstate located in the same directory as your configuration files. This local state file is critical for Terraform to understand what infrastructure already exists and to plan updates correctly.

Analysis of Incorrect Options (Distractors):

A). .terraform.d (home directory subdirectory):

This is used for storing plugins and some global settings, not for resource state.

C). .terraform.lock.hcl (lock file):

This file locks provider versions to ensure reproducible runs, but it does not contain resource state information.

D). .terraform (subdirectory):

This folder contains cached provider binaries and related data, but not the actual state file.

Key Concept:

Terraform state management is at the core of "Implement and Maintain State." Understanding where Terraform stores the state by default is critical because state files should often be stored remotely (using a backend like S3, GCS, or Terraform Cloud) for collaboration and reliability.

Reference: Terraform Exam Objective - Implement and Maintain State (HashiCorp Certified: Terraform Associate).

NEW QUESTION # 28

You must initialize your working directory before running terraform validate.

- A. False
- B. True

Answer: B

Explanation:

You must initialize your working directory before running terraform validate, as it will ensure that all the required plugins and modules are installed and configured properly. If you skip this step, you may encounter errors or inconsistencies when validating your configuration files.

NEW QUESTION # 29

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