

Terraform-Associate-004 Accurate Answers - Test Terraform-Associate-004 Simulator Online



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HashiCorp Terraform-Associate-004 Exam Syllabus Topics:

Topic	Details
Topic 1	<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.
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"> 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"> 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 modules: This domain explains organizing and reusing code through modules, understanding variable scope between modules, implementing modules in configurations, and managing module versions.
Topic 6	<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 7	<ul style="list-style-type: none"> Terraform configuration: This domain covers writing Terraform code including resources and data blocks, using variables and outputs, handling complex types, creating dynamic configurations with expressions and functions, managing dependencies, implementing validation, and handling sensitive data.

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HashiCorp Certified: Terraform Associate (004) (HCTA0-004) Sample Questions (Q288-Q293):

NEW QUESTION # 288

Which of the following is not an action performed by terraform init?

- A. Load required provider plugins.
- B. Retrieve the source code for all referenced modules.
- C. Create template configuration files.
- D. Initialize a configured backend.

Answer: C

Explanation:

Rationale for Correct answer: terraform init initializes backends, downloads providers, and retrieves modules - but it does not generate or create configuration files.

Analysis of Incorrect Options (Distractors):

A: Correct action performed by terraform init.

C: Providers are downloaded during initialization.

D: Module source code is fetched during initialization.

Key Concept: terraform init prepares the working directory but does not create configuration.

NEW QUESTION # 289

Which of these are benefits of using Sentinel with HCP Terraform/Terraform Cloud? (Pick the 3 correct responses)

- A. You can check out and check in cloud access keys.
- B. You can enforce a list of approved AWS AMIs.
- C. Policy-as-code can enforce security best practices.
- D. Sentinel Policies can be written in HashiCorp Configuration Language (HCL).

Answer: A,B,C

Explanation:

Sentinel is a policy-as-code framework that integrates with Terraform Cloud to enforce security, compliance, and governance rules. You can enforce rules such as approved AMIs and ensure security best practices. Policies are written in the Sentinel language, not HCL.

Reference:

Sentinel Policies

NEW QUESTION # 290

Your security team scanned some Terraform workspaces and found secrets stored in plaintext in state files. How can you protect that data?

- A. Edit your state file to scrub out the sensitive data
- B. Store the state in an encrypted backend
- C. Delete the state file every time you run Terraform
- D. Always store your secrets in a secrets.tfvars file

Answer: B

Explanation:

This is a secure way to protect sensitive data in the state file, as it will be encrypted at rest and in transit². The other options are not recommended, as they could lead to data loss, errors, or security breaches.

NEW QUESTION # 291

You have a list of numbers that represents the number of free CPU cores on each virtual cluster:

```
numcpus = [ 18, 3, 7, 11, 2 ]
```

What Terraform function could you use to select the largest number from the list?

- A. `top(numcpus)`
- B. `hight[numcpus]`
- C. `ceil (numcpus)`
- **D. `max(numcpus)`**

Answer: D

Explanation:

In Terraform, the `max` function can be used to select the largest number from a list of numbers. The `max` function takes multiple arguments and returns the highest one. For the list `numcpus = [18, 3, 7, 11, 2]`, using `max(numcpus...)` will return 18, which is the largest number in the list.

References:

Terraform documentation on `max` function: [Terraform Functions - max](#)

NEW QUESTION # 292

What is the purpose of the `.terraform` directory in a Terraform workspace?

- A. The directory contains the provider credentials and the `.tfvars` files to prevent them from being committed to version control by accident.
- B. The directory is where Terraform creates and maintains the state file to track the underlying resources it creates and manages.
- C. The directory is used to convert and store Terraform configuration files into API calls to communicate with the targeted platform.
- **D. The directory contains plugins and modules that Terraform downloads during initialization, along with other important information.**

Answer: D

Explanation:

Detailed Explanation:

* Rationale for Correct answer: The `.terraform` directory is created by `terraform init` and is used to store downloaded provider plugins, module code, and other initialization artifacts (such as backend-related data and dependency selections used by the working directory). This directory is typically not committed to version control.

* Analysis of Incorrect Options (Distractors):

* A: Incorrect. State is usually stored as `terraform.tfstate` in the working directory for local state, or remotely in a backend (not inside `.terraform` as the primary location).

* B: Incorrect. Terraform doesn't store "converted API calls" in `.terraform`; it computes provider actions during `plan/apply`.

* C: Incorrect. Provider credentials and `.tfvars` files are not stored in `.terraform` by design; secrets should be handled via variables, env vars, Vault, or HCP Terraform sensitive variables.

* Key Concept: `.terraform` contains init-time artifacts: providers, modules, and metadata needed for the working directory.

Reference: [Read, Generate, and Modify Configurations - working directory structure and terraform init behavior.](#)

NEW QUESTION # 293

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