

# **TERRAFORM-ASSOCIATE-003**Q&As

HashiCorp Certified: Terraform Associate (003)

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#### **QUESTION 1**

In Terraform HCL, an object type of object({name=string, age-number}) would match this value.

A.	{     name = "John"     age = fifty two
	}
B.	{ name = "John" age = 52 }
C.	{ name = John age = "52" }
D.	{ name = John age = fifty two }

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Correct Answer: B

#### **QUESTION 2**

How would you output returned values from a child module in the Terraform CLI output?

- A. Declare the output in the root configuration
- B. Declare the output in the child module
- C. Declare the output in both the root and child module
- D. None of the above
- Correct Answer: C



To output returned values from a child module in the Terraform CLI output, you need to declare the output in both the child module and the root module. The child module output will return the value to the root module, and the root module output will display the value in the CLI. References = [Terraform Outputs]

#### **QUESTION 3**

Which option cannot be used to keep secrets out of Terraform configuration files?

- A. A Terraform provider
- B. Environment variables
- C. A -var flag
- D. secure string
- Correct Answer: D

A secure string is not a valid option to keep secrets out of Terraform configuration files. A secure string is a feature of AWS Systems Manager Parameter Store that allows you to store sensitive data encrypted with a KMS key. However, Terraform does not support secure strings natively and requires a custom data source to retrieve them. The other options are valid ways to keep secrets out of Terraform configuration files. A Terraform provider can expose secrets as data sources that can be referenced in the configuration. Environment variables can be used to set values for input variables that contain secrets. A -var flag can be used to pass values for input variables that contain secrets from the command line or a file. References = [AWS Systems Manager Parameter Store], [Terraform AWS Provider Issue #55], [Terraform Providers], [Terraform Input Variables]

#### **QUESTION 4**

A developer accidentally launched a VM (virtual machine) outside of the Terraform workflow and ended up with two servers with the same name. They don\\'t know which VM Terraform manages but do have a list of all active VM IDs. Which of the following methods could you use to discover which instance Terraform manages?

A. Run terraform state list to find the names of all VMs, then run terraform state show for each of them to find which VM ID Terraform manages

- B. Update the code to include outputs for the ID of all VMs, then run terraform plan to view the outputs
- C. Run terraform taint/code on all the VMs to recreate them
- D. Use terraform refresh/code to find out which IDs are already part of state

#### Correct Answer: A

The terraform state list command lists all resources that are managed by Terraform in the current state file1. The terraform state show command shows the attributes of a single resource in the state file2. By using these two commands, you can compare the VM IDs in your list with the ones in the state file and identify which one is managed by Terraform.

#### **QUESTION 5**



How is terraform import run?

- A. As a part of terraform init
- B. As a part of terraform plan
- C. As a part of terraform refresh
- D. By an explicit call
- E. All of the above

Correct Answer: D

The terraform import command is not part of any other Terraform workflow. It must be explicitly invoked by the user with the appropriate arguments, such as the resource address and the ID of the existing infrastructure to import. References = [Importing Infrastructure]

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