

# HashiCorp

## Exam Questions Terraform-Associate-004

HashiCorp Certified: Terraform Associate (004) (HCTA0-004)



#### NEW QUESTION 1

Which of the following is not true of Terraform providers?

- A. An individual person can write a Terraform Provider
- B. A community of users can maintain a provider
- C. HashiCorp maintains some providers
- D. Cloud providers and infrastructure vendors can write, maintain, or collaborate on Terraform providers
- E. providers
- F. None of the above

**Answer: F**

#### NEW QUESTION 2

You modified your Terraform configuration and run Terraform plan to review the changes.

Simultaneously, your teammate manually modified the infrastructure component you are working on. Since you already ran terraform plan locally, the execution plan for terraform apply will be the same.

- A. True
- B. False

**Answer: B**

#### NEW QUESTION 3

Before you can use a remote backend, you must first execute terra-form init.

- A. True
- B. False

**Answer: A**

#### NEW QUESTION 4

As a member of an operations team that uses infrastructure as code (IaC) practices, you are tasked with making a change to an infrastructure stack running in a public cloud. Which pattern would follow IaC best practices for making a change?

- A. Make the change via the public cloud API endpoint
- B. Clone the repository containing your infrastructure code and then run the code
- C. Use the public cloud console to make the change after a database record has been approved
- D. Make the change programmatically via the public cloud CLI
- E. Submit a pull request and wait for an approved merge of the proposed changes

**Answer: E**

#### NEW QUESTION 5

How could you reference an attribute from the vsphere\_datacenter data source for use with the datacenter\_id argument within the vsphere\_folder resource in the following configuration?

- A. Data.vsphere\_datacenter.DC.id
- B. Vsphere\_datacenter.dc.id
- C. Data,dc,id
- D. Data.vsphere\_datacenter,dc

**Answer: A**

#### NEW QUESTION 6

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

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

**Answer: D**

#### NEW QUESTION 7

Infrastructure as Code (IaC) can be stored in a version control system along with application code.

- A. True
- B. False

**Answer: A**

#### NEW QUESTION 8

You can develop a custom provider to manage its resources using Terraform.

- A. True
- B. False

**Answer:** A

#### NEW QUESTION 9

What does state locking accomplish?

- A. Prevent accidental Prevent accident deletion of the state file
- B. Blocks Terraform commands from modifying, the state file
- C. Copies the state file from memory to disk
- D. Encrypts any credentials stored within the state file

**Answer:** B

#### NEW QUESTION 10

All standard backend types support state locking, and remote operations like plan, apply, and destroy.

- A. True
- B. False

**Answer:** B

#### NEW QUESTION 10

Which of the following methods, used to provision resources into a public cloud, demonstrates the concept of infrastructure as code?

- A. curl commands manually run from a terminal
- B. A sequence of REST requests you pass to a public cloud API endpoint Most Voted
- C. A script that contains a series of public cloud CLI commands
- D. A series of commands you enter into a public cloud console

**Answer:** C

#### NEW QUESTION 12

As a developer, you want to ensure your plugins are up to date with the latest versions. Which Terraform command should you use?

- A. terraform refresh -upgrade
- B. terraform apply -upgrade
- C. terraform init -upgrade
- D. terraform providers -upgrade

**Answer:** C

#### NEW QUESTION 14

What is an advantage of immutable infrastructure?

- A. In-place infrastructure upgrades
- B. Quicker infrastructure upgrades
- C. Automatic infrastructure upgrades
- D. Less complex infrastructure upgrades

**Answer:** D

#### NEW QUESTION 18

How does the use of Infrastructure as Code (IaC) enhance the reliability of your infrastructure?  
Pick the two correct responses below.

- A. Proposed changes can be reviewed before being applied.
- B. Infrastructure is automatically scaled to meet demand.
- C. Incorrect configurations cannot be deployed.
- D. Updates are deployed with zero downtime.
- E. Configuration drift is reduced with declarative definitions.

**Answer:** AE

#### NEW QUESTION 21

You are tasked with making a change to an infrastructure stack running in a public cloud using HCP Terraform/Terraform Cloud. Which pattern follows IaC best practices?

- A. Make the change via the public cloud API endpoint.
- B. Submit a pull request and wait for an approved merge of the proposed changes.
- C. Clone the repository containing your infrastructure code and then run the code.
- D. Use the public cloud console to make the change after approval.
- E. Make the change programmatically via the cloud CLI.

Answer: B

#### NEW QUESTION 26

Which type of block fetches or computes information for use elsewhere in a Terraform configuration?

- A. data
- B. local
- C. resource
- D. provider

Answer: A

#### NEW QUESTION 31

Your team is collaborating on infrastructure using Terraform and wants to format code to follow Terraform language style conventions. How can you update your code to meet these requirements?

- A. Run terraform fmt to update your Terraform configurations.
- B. Replace all tabs with spaces within your Terraform configuration files.
- C. Run terraform validate prior to executing terraform plan or terraform apply.
- D. Terraform automatically formats configuration on terraform apply.

Answer: A

#### NEW QUESTION 36

Running terraform fmt without any flags in a directory with Terraform configuration files check the formatting of those files without changing their contents.

- A. True
- B. False

Answer: B

#### NEW QUESTION 38

Which command must you first run before performing further Terraform operations in a working directory?

- A. terraform import
- B. terraform workspace
- C. terraform plan
- D. terraform init

Answer: D

#### NEW QUESTION 42

You've updated your Terraform configuration, and you need to preview the proposed changes to your infrastructure. Which command should you run?

- A. terraform show
- B. terraform plan
- C. terraform validate
- D. terraform get

Answer: B

#### NEW QUESTION 45

Exhibit:  
module "web\_stack" {  
 source = "./modules/web\_stack"  
}

Your configuration defines the module block shown in the exhibit. The web\_stack module accepts an input variable named servers. Which of the following changes to the module block sets the servers variable to the value of 3?

- A. module "web\_stack" {source = "./modules/web\_stack" var.servers = 3}
- B. module "web\_stack" {source = "./modules/web\_stack" inputs = { servers = 3 }}
- C. module "web\_stack" {source = "./modules/web\_stack" servers = 3}
- D. module "web\_stack" {source = "./modules/web\_stack" inputs.servers = 3}

Answer: C

#### NEW QUESTION 46

The terraform output command shows outputs from child modules.

- A. True
- B. False

Answer: B

#### NEW QUESTION 49

Your team is using version 3.1.4 of a module from the public Terraform Registry, and they are worried about possible breaking changes in future versions of the module. Which version argument should you add to the module block to prevent newer versions from being used?

- A. version = "< 3.2"
- B. version = ">= 3.1.5"
- C. version = "3.1.4"
- D. version = "~> 3.1.4"

**Answer: C**

#### NEW QUESTION 50

Module variable assignments are inherited from the parent module and you do not need to explicitly set them.

- A. True
- B. False

**Answer: B**

#### NEW QUESTION 51

What does Terraform not reference when running a terraform apply -refresh-only ?

- A. State file
- B. Credentials
- C. Cloud provider
- D. Terraform resource definitions in configuration files

**Answer: D**

#### NEW QUESTION 52

Terraform encrypts sensitive values stored in your state file.

- A. True
- B. False

**Answer: B**

#### NEW QUESTION 53

What is the Terraform style convention for indenting a nesting level compared to the one above it?

- A. With a tab
- B. With two spaces
- C. With four spaces
- D. With three spaces

**Answer: B**

#### NEW QUESTION 56

You have created a main.tf Terraform configuration consisting of an application server, a database and a load balanced. You ran terraform apply and Terraform created all of the resources successfully.

Now you realize that you do not actually need the load balancer, so you run terraform destroy without any flags. What will happen?

- A. Terraform will prompt you to pick which resource you want to destroy
- B. Terraform will destroy the application server because it is listed first in the code
- C. Terraform will prompt you to confirm that you want to destroy all the infrastructure
- D. Terraform will destroy the main, tf file
- E. Terraform will immediately destroy all the infrastructure

**Answer: C**

#### NEW QUESTION 57

Which of these are features of HCP Terraform/Terraform Cloud? Pick the 2 correct responses below.

- A. Automated infrastructure deployment visualization.
- B. A web-based user interface (UI).
- C. Automatic backups of configuration and state.
- D. Remote state storage.

**Answer: AD**

#### NEW QUESTION 62

You are making changes to existing Terraform code to add some new infrastructure. When is the best time to run terraform validate?

- A. After you run terraform apply so you can validate your infrastructure
- B. Before you run terraform apply so you can validate your provider credentials

- C. Before you run terraform plan so you can validate your code syntax
- D. After you run terraform plan so you can validate that your state file is consistent with your infrastructure

**Answer: C**

#### NEW QUESTION 64

Which of the following should you add in the required\_providers block to define a provider version constraint?

- A. version ~> 3.1
- B. version >= 3.1
- C. version = ">= 3.1"

**Answer: C**

#### NEW QUESTION 68

When using multiple configurations of the same Terraform provider, what meta-argument must you include in any non-default provider configurations?

- A. depends\_on
- B. alias
- C. name
- D. id

**Answer: B**

#### NEW QUESTION 69

You want to know from which paths Terraform is loading providers referenced in your Terraform configuration (\* files). You need to enable additional logging messages to find this out. Which of the following would achieve this?

- A. Set verbose for each provider in your Terraform configuration
- B. Set the environment variable TF\_LOG\_TRACE
- C. Set the environment variable TF\_LOG\_PATH
- D. Set the environment variable TF\_log\_TRACE

**Answer: B**

#### NEW QUESTION 74

Which command lets you experiment with terraform expressions?

- A. Terraform console
- B. Terraform validate
- C. Terraform env
- D. Terraform test

**Answer: A**

#### NEW QUESTION 78

How does the Terraform cloud integration differ from other state backends such as S3, Consul,etc?

- A. It can execute Terraform runs on dedicated infrastructure in Terraform Cloud
- B. It doesn't show the output of a terraform apply locally
- C. It is only arable lo paying customers
- D. All of the above

**Answer: A**

#### NEW QUESTION 83

Which of the following command would be use to access all of the attributes and details of a resource managed by Terraform?

- A. Terraform state show ?? provider\_type\_name
- B. Terraform state list
- C. Terraform get provider\_type\_name
- D. Terraform state list provider\_type\_name

**Answer: A**

#### NEW QUESTION 88

You have to initialize a Terraform backend before it can be configured.

- A. True
- B. False

**Answer: B**

#### NEW QUESTION 90

What is the Terraform style convention for indenting a nesting level compared to the one above it?

- A. With two spaces.
- B. With four spaces.
- C. With three spaces.
- D. With a tab.

**Answer:** A

#### NEW QUESTION 93

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

**Answer:** D

#### NEW QUESTION 97

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. Always store your secrets in a secrets.tfvars file
- C. Delete the state file every time you run Terraform
- D. Store the state in an encrypted backend

**Answer:** D

#### NEW QUESTION 98

When you run terraform apply, the Terraform CLI will print output values from both the root module and any child modules.

- A. True
- B. False

**Answer:** A

#### NEW QUESTION 100

You cannot install third party plugins using terraform init.

- A. True
- B. False

**Answer:** B

#### NEW QUESTION 104

What is a Terraform provider not responsible for?

- A. Provisioning infrastructure in multiple cloud providers.
- B. Managing actions to take based on resource differences.
- C. Managing resources and data sources based on an API.
- D. Understanding API interactions with a hosted service.

**Answer:** A

#### NEW QUESTION 107

How can a ticket-based system slow down infrastructure provisioning and limit the ability to scale? Choose two correct answers.

- A. End-users have to request infrastructure changes
- B. Ticket based systems generate a full audit trail of the request and fulfillment process
- C. Users can access catalog of approved resources from drop down list in a request form
- D. The more resources your organization needs, the more tickets your infrastructure team has to process

**Answer:** A

#### NEW QUESTION 111

You are creating a Terraform configuration which needs to make use of multiple providers, one for AWS and one for Datadog. Which of the following provider blocks would allow you to do this?

A)

```

terraform {
  provider "aws" {
    profile = var.aws_profile
    region  = var.aws_region
  }

  provider "datadog" {
    api_key = var.datadog_api_key
    app_key = var.datadog_app_key
  }
}

```

B)

```

provider "aws" {
  profile = var.aws_profile
  region  = var.aws_region
}

provider "datadog" {
  api_key = var.datadog_api_key
  app_key = var.datadog_app_key
}

```

C)

```

provider "aws" {
  profile = var.aws_profile
  region  = var.aws_region
}

provider "datadog" {
  api_key = var.datadog_api_key
  app_key = var.datadog_app_key
}

```

D)

```

provider {
  "aws" {
    profile = var.aws_profile
    region  = var.aws_region
  }

  "datadog" {
    api_key = var.datadog_api_key
    app_key = var.datadog_app_key
  }
}

```

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

**Answer: C**

#### NEW QUESTION 116

What Terraform command always causes a state file to be updated with changes that might have been made outside of Terraform?

- A. Terraform plan --refresh-only
- B. Terraform show --json
- C. Terraform apply --lock=false
- D. Terraform plan target-state

**Answer: A**

#### NEW QUESTION 118

Your team adopts AWS CloudFormation as the standardized method for provisioning public cloud resources. Which scenario presents a challenge for your team?

- A. Building a reusable code base that can deploy resources into any AWS region.
- B. Managing a new application stack built on AWS-native services.
- C. Automating a manual, web console-based provisioning process.
- D. Deploying new infrastructure into Microsoft Azure.

**Answer: D**

#### NEW QUESTION 123

How do you specify a module's version when publishing it to the public terraform Module Registry?

- A. Configuration it in the module's Terraform code
- B. Mention it on the module's configuration page on the Terraform Module Registry
- C. The Terraform Module Registry does not support versioning modules
- D. Tag a release in the associated repo

**Answer: D**

#### NEW QUESTION 128

Variables declared within a module are accessible outside of the module.

- A. True
- B. False

**Answer: B**

#### NEW QUESTION 132

Which statement describes a goal of Infrastructure as Code (IaC)?

- A. A pipeline process to test and deliver software.
- B. Write once, run anywhere.
- C. The programmatic configuration of resources.
- D. Defining a vendor-agnostic API.

**Answer: C**

#### NEW QUESTION 135

What task does the terraform import command perform?

- A. Imports resources from one Terraform state file to another.
- B. Imports existing resources into Terraform's state file.
- C. Imports a new Terraform module into Terraform's state file.
- D. Imports all infrastructure from the configured cloud provider.
- E. Imports provider configuration from one state file to another.

**Answer:** B

#### NEW QUESTION 136

A resource block is shown in the Exhibit space of this page. What is the Terraform resource name of that resource block?

- A. azurearm
- B. azurearm\_resource\_group
- C. ev
- D. test

**Answer:** C

#### NEW QUESTION 140

You should run terraform fmt to rewrite all Terraform configurations within the current working directory to conform to Terraform-style conventions.

- A. True
- B. False

**Answer:** A

#### NEW QUESTION 144

What is the provider for this resource?

- A. Vpc
- B. Test
- C. Main
- D. aws

**Answer:** D

#### NEW QUESTION 147

Which parameters does the import block require? (Pick the 2 correct responses below.)

- A. The resource ID
- B. Provider
- C. The target resource address
- D. Backend

**Answer:** AC

#### NEW QUESTION 151

Where does HashiCorp recommend you store API tokens and other secrets within your team's Terraform workspaces? Pick the three correct responses below.

- A. In a plaintext document on a shared drive.
- B. In HashiCorp Vault.
- C. In a terraform.tfvars file, checked into your version control system.
- D. In an environment variable and referenced with TF\_VAR\_variablename.
- E. In an HCP Terraform variable, with the sensitive option checked.

**Answer:** BDE

#### NEW QUESTION 154

If a module declares a variable with a default, that variable must also be defined within the module.

- A. True
- B. False

**Answer:** B

#### NEW QUESTION 155

When does Terraform create the .terraform.lock.hcl file?

- A. After your first terraform plan
- B. After your first terraform apply
- C. After your first terraform init
- D. When you enable state locking

Answer: C

#### NEW QUESTION 157

What is one disadvantage of using dynamic blocks in Terraform?

- A. Dynamic blocks can construct repeatable nested blocks
- B. Terraform will run more slowly
- C. They cannot be used to loop through a list of values
- D. They make configuration harder to read and understand

Answer: D

#### NEW QUESTION 160

terraform plan updates your state file.

- A. True
- B. False

Answer: B

#### NEW QUESTION 163

Exhibit:

```
resource "azurerm_linux_web_app" "app" { name = "example-app"
resource_group_name = azurerm_resource_group.rg.name location = azurerm_resource_group.rg.location service_plan_id = azurerm_service_plan.plan.id
identity {
type = "UserAssigned"
identity_ids = [azurerm_user_assigned_identity.app.id]
}
}
resource "azurerm_role_assignment" "kv_access" { scope = azurerm_key_vault.kv.id role_definition_name = "Key Vault Secrets User"
principal_id = azurerm_user_assigned_identity.app.principal_id
}
```

Two resource blocks are shown: azurerm\_linux\_web\_app and azurerm\_role\_assignment. When provisioned, the web app will use the role assignment during creation, so the role assignment must be created first. How do you ensure the azurerm\_role\_assignment resource is created first?

- A. Add a depends\_on argument to the azurerm\_linux\_web\_app.
- B. Add a create\_before\_destroy argument to the azurerm\_role\_assignment.
- C. Change the order of the azurerm\_linux\_web\_app and azurerm\_role\_assignment blocks.
- D. Add a count argument to both resources.

Answer: A

#### NEW QUESTION 164

You can configure Terraform to log to a file using the TF\_LOG environment variable.

- A. True
- B. False

Answer: A

#### NEW QUESTION 165

You can access state stored with the local backend by using terraform\_remote\_state data source.

- A. True
- B. False

Answer: B

#### NEW QUESTION 167

What is the primary purpose of IaC (Infrastructure as Code)?

- A. To provision infrastructure cheaply.
- B. To programmatically create and configure resources.
- C. To define a vendor-agnostic API.
- D. To define a pipeline to test and deliver software.

Answer: B

#### NEW QUESTION 172

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 delete the VM using the cloud provider console, then run terraform apply again without changing any Terraform code?

- A. Terraform will recreate the VM.
- B. Terraform will report an error.
- C. Terraform will remove the VM from the state file.

D. Terraform will not make any changes.

**Answer:** A

#### NEW QUESTION 174

You have multiple team members collaborating on infrastructure as code (IaC) using Terraform, and want to apply formatting standards for readability.

How can you format Terraform HCL (HashiCorp Configuration Language) code according to standard Terraform style convention?

- A. Run the terraform fmt command during the code linting phase of your CI/CD process Most Voted
- B. Designate one person in each team to review and format everyone's code
- C. Manually apply two spaces indentation and align equal sign "=" characters in every Terraform file (\*.tf)
- D. Write a shell script to transform Terraform files using tools such as AWK, Python, and sed

**Answer:** A

#### NEW QUESTION 176

Which of these workflows is only enabled by the use of Infrastructure as Code?

- A. Automatic scaling of resources based on application load.
- B. Role-based access control of cloud resources.
- C. Cost optimization of infrastructure deployment.
- D. Reviewing the proposed changes for potential security issues.

**Answer:** D

#### NEW QUESTION 179

You're building a CI/CD (continuous integration/continuous delivery) pipeline and need to inject sensitive variables into your Terraform run. How can you do this safely?

- A. Copy the sensitive variables into your Terraform code
- B. Store the sensitive variables in a secure\_varS.tf file
- C. Store the sensitive variables as plain text in a source code repository
- D. Pass variables to Terraform with a -var flag

**Answer:** D

#### NEW QUESTION 180

Which of these are features of Terraform Cloud? Choose two correct answers.

- A. A web-based user interface (UI)
- B. Automated infrastructure deployment visualization
- C. Automatic backups
- D. Remote state storage

**Answer:** AD

#### NEW QUESTION 185

Which is a benefit of the Terraform state file?

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

**Answer:** C

#### NEW QUESTION 190

Which parameters does terraform import require? Choose two correct answers.

- A. Provider
- B. Resource ID
- C. Resource address
- D. Path

**Answer:** BC

#### NEW QUESTION 194

Which are examples of infrastructure as code? Choose two correct answers.

- A. Cloned virtual machine images
- B. Versioned configuration files
- C. Change management database records
- D. Doctor files

Answer: B

**NEW QUESTION 197**

The Terraform binary version and provider versions must match each other in a single configuration.

- A. True
- B. False

Answer: B

**NEW QUESTION 202**

Which of these actions are forbidden when the Terraform state file is locked? (Pick the 3 correct responses)

- A. terraform apply
- B. terraform state list
- C. terraform destroy
- D. terraform fmt

Answer: ABC

**NEW QUESTION 205**

How can you trigger a run in a Terraform Cloud workspace that is connected to a Version Control System (VCS) repository?

- A. Only Terraform Cloud organization owners can set workspace variables on VCS connected workspaces
- B. Commit a change to the VCS working directory and branch that the Terraform Cloud workspace is connected to
- C. Only Terraform Cloud organization owners can approve plans in VCS connected workspaces
- D. Only members of a VCS organization can open a pull request against repositories that are connected to Terraform Cloud workspaces

Answer: B

**NEW QUESTION 208**

Which of the following arguments are required when declaring a Terraform output?

- A. value
- B. description
- C. default
- D. sensitive

Answer: A

**NEW QUESTION 213**

Which are forbidden actions when the terraform state file is locked? Choose three correct answers.

- A. Terraform state list
- B. Terraform destroy
- C. Terraform validate
- D. Terraform validate
- E. Terraform for
- F. Terraform apply

Answer: BCF

**NEW QUESTION 216**

What does the default "local" Terraform backend store?

- A. tfplan files
- B. State file
- C. Provider plugins
- D. Terraform binary

Answer: B

**NEW QUESTION 219**

You can configure multiple cloud blocks in your Terraform configuration to connect your workspace to both HCP Terraform and your Terraform Enterprise instance.

- A. True
- B. False

Answer: B

**NEW QUESTION 220**

Which task does terraform init not perform?

- A. Discovers all providers used in the configuration and downloads them.

- B. Validates that values are set for all required input variables.
- C. Connects to the configured backend.
- D. Discovers any remote modules and downloads them.

**Answer:** B

#### NEW QUESTION 222

You add a new resource to an existing Terraform configuration, but do not update the version constraint in the configuration. The existing and new resources use the same provider. The working contains a .terraform.lock, hc1 file.  
How will Terraform choose which version of the provider to use?

- A. Terraform will use the version recorded in your lock file
- B. Terraform will use the latest version of the provider for the new resource and the version recorded in the lock file to manage existing resources
- C. Terraform will check your state file to determine the provider version to use
- D. Terraform will use the latest version of the provider available at the time you provision your new resource

**Answer:** A

#### NEW QUESTION 223

Before you can use a new backend or HCP Terraform/Terraform Cloud integration, you must first execute terraform init.

- A. True
- B. False

**Answer:** A

#### NEW QUESTION 225

You're writing a Terraform configuration that needs to read input from a local file called id\_rsa.pub . Which built-in Terraform function can you use to import the file's contents as a string?

- A. file("id\_rsa.pub")
- B. templatefile("id\_rsa.pub")
- C. filebase64("id\_rsa.pub")
- D. fileset<"id\_rsa.pub")

**Answer:** A

#### NEW QUESTION 227

Which of these actions will prevent two Terraform runs from changing the same state file at the same time?

- A. Refresh the state after running Terraform
- B. Delete the state before running Terraform
- C. Configure state locking for your state backend
- D. Run Terraform with parallelism set to 1

**Answer:** B

#### NEW QUESTION 231

terraform validate confirms the syntax of Terraform files.

- A. True
- B. False

**Answer:** A

#### NEW QUESTION 235

Terraform configuration can only call modules from the public registry.

- A. True
- B. False

**Answer:** B

#### NEW QUESTION 238

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

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

**Answer:** B

**NEW QUESTION 242**

A terraform apply can not infrastructure.

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

**Answer:** D

**NEW QUESTION 243**

When you include a module block in your configuration that references a module from the Terraform Registry, the "version" attribute is required.

- A. True
- B. False

**Answer:** B

**NEW QUESTION 245**

Which backend does the Terraform CLI use by default?

- A. Depends on the cloud provider configured
- B. HTTP
- C. Remote
- D. Terraform Cloud
- E. Local

**Answer:** E

**NEW QUESTION 249**

Module version is required to reference a module on the Terraform Module Registry.

- A. True
- B. False

**Answer:** B

**NEW QUESTION 250**

You've just finished refactoring part of your Terraform workspace's configuration to use a module to manage some of your resources. When you plan your changes, you notice that Terraform will destroy and recreate the affected resources. Doing so could cause unintended downtime in the application your workspace manages. What supported approach should you take to complete the refactor without destroying and recreating your resources?

- A. Add moved blocks to your configuration to let Terraform know the new resource addresses for the affected resources.
- B. Run the terraform console command to edit your workspace's state and update the resource names.
- C. Manually edit your terraform.tfstate file and update the resource names.
- D. Open your cloud provider's console and rename the affected resources.

**Answer:** A

**NEW QUESTION 253**

Which of the following is not a valid Terraform collection type?

- A. Tree
- B. Map
- C. List
- D. set

**Answer:** A

**NEW QUESTION 257**

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

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

**Answer:** CD

**NEW QUESTION 258**

Terraform variable names are saved in the state file.

- A. True
- B. False

Answer: B

#### NEW QUESTION 263

Terraform configuration (including any module references) can contain only one Terraform provider type.

- A. True
- B. False

Answer: B

#### NEW QUESTION 268

When you initialize Terraform, where does it cache modules from the public Terraform Registry?

- A. In the /tmp directory.
- B. In the .terraform sub-directory.
- C. In memory.
- D. They are not cached.

Answer: B

#### NEW QUESTION 269

When using multiple configuration of the same Terraform provider, what meta-argument must you include in any non-default provider configurations?

- A. Alias
- B. Id
- C. Depends\_on
- D. name

Answer: A

#### NEW QUESTION 270

What does terraform import do?

- A. Imports existing resources into the state file
- B. Imports all infrastructure from a given cloud provider
- C. Imports a new Terraform module
- D. Imports clean copies of tainted resources
- E. None of the above

Answer: A

#### NEW QUESTION 274

While attempting to deploy resources into your cloud provider using Terraform, you begin to see some odd behavior and experience slow responses. In order to troubleshoot you decide to turn on Terraform debugging. Which environment variables must be configured to make Terraform's logging more verbose?

- A. TF\_LOG\_PAIRH
- B. TF\_LOG
- C. TF\_VAR\_log\_path
- D. TF\_VAR\_log\_level

Answer: B

#### NEW QUESTION 279

Exhibit:

```
data "vsphere_datacenter" "dc" {} resource "vsphere_folder" "parent" {
  path = "Production" type = "vm"
  datacenter_id =
}
```

You want to pass the id of the vsphere\_datacenter data source to the datacenter\_id argument of the vsphere\_folder resource. Which reference would you use?

- A. data.vsphere\_datacenter.de.id
- B. vsphere\_datacenter.dc.id
- C. data.vsphere\_datacenter.dc
- D. data.de.id

Answer: A

#### NEW QUESTION 280

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

Answer: C

#### NEW QUESTION 285

You use a cloud provider account that is shared with other team members. You previously used Terraform to create a load balancer that listens on port 80. After application changes, you updated the Terraform code to change the port to 443.

You run terraform plan and see that the execution plan shows the port changing from 80 to 443 like you intended and step away to grab some coffee.

In the meantime, another team member manually changes the load balancer port to 443 through the cloud provider console before you get back to your desk.

What will happen when you run terraform apply upon returning to your desk?

- A. Terraform will recreate the load balancer.
- B. Terraform will fail with an error because the state file is no longer accurate.
- C. Terraform will change the load balancer port to 80, and then change it back to 443.
- D. Terraform will not make any changes to the load balancer and will update the state file to reflect the manual change.

Answer: B

#### NEW QUESTION 288

When using Terraform to deploy resources into Azure, which scenarios are true regarding state files? (Choose two.)

- A. When you change a Terraform-managed resource via the Azure Cloud Console, Terraform updates the state file to reflect the change during the next plan or apply
- B. Changing resources via the Azure Cloud Console records the change in the current state file
- C. When you change a resource via the Azure Cloud Console, Terraform records the changes in a new state file
- D. Changing resources via the Azure Cloud Console does not update current state file

Answer: AD

#### NEW QUESTION 293

In a HCP Terraform/Terraform Cloud workspace linked to a version control repository, speculative plan runs start automatically when you merge or commit changes to version control.

- A. True
- B. False

Answer: A

#### NEW QUESTION 295

What is modified when executing Terraform inrefresh-only mode?

- A. Your Terraform configuration.
- B. Your Terraform plan.
- C. Your state file.
- D. Your cloud infrastructure.

Answer: C

#### NEW QUESTION 299

terraform apply will fail if you have not run terraform plan first to update the plan output.

- A. True
- B. False

Answer: B

#### NEW QUESTION 300

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

Answer: D

#### NEW QUESTION 302

When you use a remote backend that needs authentication, HashiCorp recommends that you:

- A. Write the authentication credentials in the Terraform configuration files
- B. Keep the Terraform configuration files in a secret store
- C. Push your Terraform configuration to an encrypted git repository
- D. Use partial configuration to load the authentication credentials outside of the Terraform code

Answer: D

#### NEW QUESTION 305

A senior admin accidentally deleted some of your cloud instances. What will Terraform do when you run terraform apply?

- A. Tear down the entire workspace's infrastructure and rebuild it.
- B. Build a completely brand new set of infrastructure.
- C. Rebuild only the instances that were deleted.
- D. Stop and generate an error message about the missing instances.

**Answer:** C

#### NEW QUESTION 310

Which command generates DOT (Document Template) formatted data to visualize Terraform dependencies?

- A. terraform graph
- B. terraform show
- C. terraform refresh
- D. terraform output

**Answer:** A

#### NEW QUESTION 314

Which Terraform collection type should you use to store key/value pairs?

- A. Set
- B. Map
- C. Tuple
- D. list

**Answer:** B

#### NEW QUESTION 317

Terraform configuration can only import modules from the public registry.

- A. True
- B. False

**Answer:** B

#### NEW QUESTION 318

You want to bring an existing database under Terraform management. What information is required to create a new import block for the database? Pick the two correct responses below.

- A. The destination resource address of the block that will manage the database.
- B. The path to the .tf file that contains the database resource block.
- C. The ID associated with the current database on the cloud provider.
- D. The database platform and version that the existing resource is running.
- E. The connection string that Terraform will use to connect and manage the database.

**Answer:** AC

#### NEW QUESTION 320

Which of the following is true about terraform apply?(Pick 2 correct responses)

- A. You must pass the output of a terraform plan command to it.
- B. By default, it does not refresh your state file to reflect the current infrastructure configuration.
- C. Depending on provider specification, Terraform may need to destroy and recreate your infrastructure resources.
- D. You cannot target specific resources for the operation.
- E. It only operates on infrastructure defined in the current working directory or workspace.

**Answer:** CE

#### NEW QUESTION 323

Which of the following is not a valid Terraform variable type?

- A. list
- B. array
- C. nap
- D. string

**Answer:** B

#### NEW QUESTION 327

Which of these are features of Terraform Cloud? Choose two correct answers.

- A. Automated infrastructure deployment visualization

- B. Automatic backups
- C. A web-based user interface (UI)
- D. Remote state storage

**Answer:** CD

#### NEW QUESTION 329

What type of information can be found on the Terraform Registry when using published modules?

- A. Required input variables.
- B. Outputs.
- C. Optional input variables and default values.
- D. All of the above.

**Answer:** D

#### NEW QUESTION 333

terraform validate reports syntax check errors for which of the following?

- A. Code contains tabs for indentation instead of spaces
- B. There is a missing value for a variable
- C. The state file does not match the current infrastructure
- D. None of the above

**Answer:** D

#### NEW QUESTION 334

If a module declares a variable without a default value, you must pass the value of the variable within the module block when you call the module in your configuration.

- A. True
- B. False

**Answer:** A

#### NEW QUESTION 337

You must use different Terraform commands depending on the cloud provider you use.

- A. True
- B. False

**Answer:** B

#### NEW QUESTION 339

The public Terraform Module Registry is free to use.

- A. True
- B. False

**Answer:** A

#### NEW QUESTION 343

The HCP Terraform private registry keeps the module configurations confidential within your organization.

- A. True
- B. False

**Answer:** A

#### NEW QUESTION 344

terraform init retrieves and caches the configuration for all remote modules.

- A. True
- B. False

**Answer:** B

#### NEW QUESTION 345

A developer on your team is going to leaf down an existing deployment managed by Terraform and deploy a new one. However, there is a server resource named aws\_instance.ubuntu[1] they would like to keep. What command should they use to tell Terraform to stop managing that specific resource?

- A. Terraform plan rm:aws\_instance.ubuntu[1]
- B. Terraform state rm:aws\_instance.ubuntu[1]
- C. Terraform apply rm:aws\_instance.ubuntu[1]

D. Terraform destory rm:aws\_instance.ubuntu[1]

**Answer:** B

**NEW QUESTION 349**

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