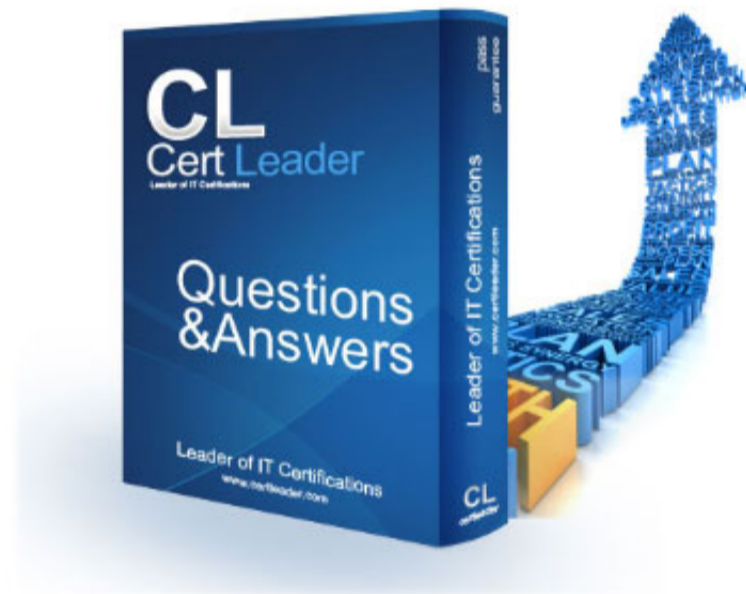


## Terraform-Associate-004 Dumps

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

<https://www.certleader.com/Terraform-Associate-004-dumps.html>



**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**

Which provider authentication method prevents credentials from being stored in the state file?

- A. Using environment variables
- B. Specifying the login credentials in the provider block
- C. Setting credentials as Terraform variables
- D. None of the above

**Answer: D**

**NEW QUESTION 3**

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 4**

Which of the following can you do with terraform plan?

Pick the two correct responses below.

- A. Save a generated execution plan to apply later.
- B. View the execution plan and check whether the changes match your expectations.
- C. Schedule Terraform to run at a planned time in the future.
- D. Execute a plan in a different workspace.

**Answer: AB**

**NEW QUESTION 5**

Which argument can you set on a module block to prevent Terraform from updating the module's configuration during an init or get operation?

- A. version
- B. lifecycle
- C. count
- D. source

**Answer: A**

**NEW QUESTION 6**

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

- A. True
- B. False

**Answer: A**

**NEW QUESTION 7**

Exhibit:

```
variable "sizes" { type = list(string)
description = "Valid server sizes" default = ["small", "medium", "large"]
}
```

A variable declaration is shown in the exhibit. Which is the correct way to get the value of medium from this variable?

- A. var.sizes[0]
- B. var.sizes[1]
- C. var.sizes[2]
- D. var.sizes[3]

**Answer: B**

**NEW QUESTION 8**

Which of these commands makes your code more human readable?

- A. Terraform validate
- B. Terraform output
- C. Terraform show
- D. Terraform file

**Answer: D**

**NEW QUESTION 9**

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 10**

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

- A. True
- B. False

**Answer: A**

**NEW QUESTION 10**

You can define multiple backend blocks in your Terraform configuration to store your state in multiple locations.

- A. True
- B. False

**Answer: B**

**NEW QUESTION 14**

If you don't use the local Terraform backend, where else can Terraform save resource state?

- A. In a remote location configured in the terraform block, such as HCP Terraform or a cloud storage system.
- B. In a remote location configured in the -terraformrc file, such as HCP Terraform or a cloud storage system.
- C. In memory.
- D. In an environment variable.

**Answer: A**

**NEW QUESTION 16**

You want to use API tokens and other secrets within your team's Terraform workspaces. Where does HashiCorp recommend you store these sensitive values? (Pick the 3 correct responses)

- A. In an HCP Terraform/Terraform Cloud variable, with the sensitive option checked.
- B. In HashiCorp Vault.
- C. In a terraform.tfvars file, securely managed and shared with your team.
- D. In a terraform.tfvars file, checked into your version control system.
- E. In a plaintext document on a shared drive.

**Answer: ABC**

**NEW QUESTION 21**

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 25**

Which features do HCP Terraform workspaces provide that are not available in Terraform Community Edition? (Pick the 3 correct responses below.)

- A. State versions and run history.
- B. Automatic detection of common security issues.
- C. Store Terraform and environment variables in variable sets.

- D. Remote execution of Terraform operations.
- E. Store your configuration in a Version Control System (VCS).
- F. Support for multiple cloud providers.

**Answer:** ACD

**NEW QUESTION 27**

You can execute terraform fmt to standardize all Terraform configurations within the current working directory to Terraform's canonical format and style.

- A. True
- B. False

**Answer:** A

**NEW QUESTION 31**

How can terraform plan aid in the development process?

- A. Initializes your working directory containing your Terraform configuration files
- B. Validates your expectations against the execution plan without permanently modifying state
- C. Formats your Terraform configuration files
- D. Reconciles Terraform's state against deployed resources and permanently modifies state using the current status of deployed resources

**Answer:** B

**NEW QUESTION 32**

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 36**

Which argument can you use to prevent unexpected updates to a module's configuration when calling Terraform Registry modules?

- A. source
- B. count
- C. version
- D. lifecycle

**Answer:** C

**NEW QUESTION 39**

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 41**

Which of these statements about Terraform Cloud workspaces is false?

- A. They have role-based access controls
- B. You must use the CLI to switch between workspaces
- C. Plans and applies can be triggered via version control system integrations
- D. They can securely store cloud credentials

**Answer:** B

**NEW QUESTION 46**

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 49**

A resource block is shown in the Exhibit section of this page. How would you reference the attribute name of this resource in HCL?

- A. resource.kubernetes\_namespace.example.name
- B. kubernetes\_namespace.example.name
- C. data.kubernetes.namespace.name
- D. kubernetes\_namespace.test.name

**Answer: B**

**NEW QUESTION 53**

What's the proper syntax for the plan command?

- A. terraform apply -var-file=tfplan
- B. terraform plan -target=tfplan
- C. terraform plan -generate-config-out=tfplan
- D. terraform plan -out=tfplan

**Answer: D**

**NEW QUESTION 58**

You are working on some new application features and you want to spin up a copy of your production deployment to perform some quick tests. In order to avoid having to configure a new state backend, what open source Terraform feature would allow you create multiple states but still be associated with your current code?

- A. Terraform data sources
- B. Terraform local values
- C. Terraform modules
- D. Terraform workspaces
- E. None of the above

**Answer: D**

**NEW QUESTION 61**

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 63**

The terraform output command shows outputs from child modules.

- A. True
- B. False

**Answer: B**

**NEW QUESTION 68**

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 71**

Why does this backend configuration not follow best practices?

```

terraform {
  backend "s3" {
    bucket     = "terraform-state-prod"
    key        = "network/terraform.tfstate"
    region     = "us-east-1"
    access_key = "AKIAIOSFODNN7EXAMPLE"
    secret_key = "wJalrXUtnFEMI/K7MDENG/bPxrFiCYEXAMPLEKEY"
  }

  required_providers {
    aws = {
      source = "hashicorp/aws"
      version = "~> 3.38"
    }
  }

  required_version = ">= 0.15"
}

```

- A. An alias meta-argument should be included in backend blocks whenever possible
- B. You should use the local enhanced storage backend whenever possible
- C. You should not store credentials in Terraform configuration
- D. The backend configuration should contain multiple credentials so that more than one user can execute terraform plan and terraform apply

**Answer: C**

**NEW QUESTION 73**

Where can Terraform not load a provider from?

- A. Plugins directory
- B. Provider plugin chance
- C. Official HashCrop Distribution on releases.hashcrop.com
- D. Source code

**Answer: D**

**NEW QUESTION 74**

You ate 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 78**

You are creating a reusable Terraform configuration and want to include an optional billing\_dept tag so your Finance team can track team-specific spending on resources. Which of the following billing\_dept variable declarations will achieve this?

- A. variable "billing\_dept" { default = ""}
- B. variable "billing\_dept" { optional = true}
- C. variable "billing\_dept" { type = optional(string)}
- D. variable "billing\_dept" { type = default}

**Answer: A**

**NEW QUESTION 80**

What is the provider for the resource shown in the Exhibit?

```

resource "aws_vpc" "main" { name = "test"
}

```

- A. VPC
- B. test
- C. main
- D. aws

**Answer:** D

**NEW QUESTION 85**

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

- A. True
- B. False

**Answer:** B

**NEW QUESTION 89**

You have provisioned some virtual machines (VMs) on Google Cloud Platform (GCP) using the gcloud command line tool. However, you are standardizing with Terraform and want to manage these VMs using Terraform instead. What are the two things you must do to achieve this? Choose two correct answers.

- A. Run the terraform Import-gcp command
- B. Write Terraform configuration for the existing VMs
- C. Use the terraform import command for the existing VMs
- D. Provision new VMs using Terraform with the same VM names

**Answer:** BC

**NEW QUESTION 92**

You just upgraded the version of a provider in an existing Terraform project. What do you need to do to install the new provider?

- A. Run terraform refresh.
- B. Run terraform init -upgrade.
- C. Run terraform apply -upgrade.
- D. Upgrade your version of Terraform.

**Answer:** B

**NEW QUESTION 95**

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 96**

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**

Which situation will return an error when you run terraform validate?

- A. The state file does not match the current infrastructure.
- B. The code contains tabs for indentation instead of spaces.
- C. There is a missing variable block.
- D. None of these will return an error.

**Answer:** C

**NEW QUESTION 103**

Any user can publish modules to the public Terraform Module Registry.

- A. True
- B. False

**Answer:** A

**NEW QUESTION 108**

Which is the best way to specify a tag of v1.0.0 when referencing a module stored in Git (for example, Git::https://example.com/vpc.git)?

- A. Append pref=v1.0.0 argument to the source path

- B. Add version = ??1.0.0?? parameter to module block
- C. Nothing modules stored on GitHub always default to version 1.0.0

**Answer:** A

**NEW QUESTION 109**

What does terraform destroy do?

- A. Destroys all infrastructure in the Terraform state file.
- B. Destroys all Terraform code files in the current directory, leaving the state file intact.
- C. Destroys all infrastructure in the configured Terraform provider.
- D. Destroys the Terraform state file, leaving the infrastructure intact.

**Answer:** A

**NEW QUESTION 114**

How does Terraform determine dependencies between resources?

- A. Terraform requires resource dependencies to be defined as modules and sourced in order
- B. Terraform automatically builds a resource graph based on resources provisioners, special meta-parameters, and the stale file (if present)
- C. Terraform requires resources in a configuration to be listed in the order they will be created to determine dependencies
- D. Terraform requires all dependencies between resources to be specified using the depends\_on parameter

**Answer:** B

**NEW QUESTION 118**

Which method for sharing Terraform configurations fulfills the following criteria:

- \* 1. Keeps the configurations confidential within your organization
- \* 2. Support Terraform??s semantic version constraints
- \* 3. Provides a browsable directory

- A. Subfolder within a workspace
- B. Generic git repository
- C. Terraform Cloud private registry
- D. Public Terraform module registry

**Answer:** C

**NEW QUESTION 120**

You corrected a typo in a resource name, changing it from `aws_s3_bucket.photoes` to `aws_s3_bucket.photos`. You want to update the Terraform state so that the existing resource is recognized under the new name, without destroying and recreating it. Which configuration should you use?

- A. Remove the old resource from your configuration and re-import it.
- B. Run `terraform apply -refresh-only`.
- C. Do nothing — Terraform will automatically update the state.
- D. Add a `moved` block to your configuration.

**Answer:** D

**NEW QUESTION 121**

Which of the following is not a valid string function in Terraform?

- A. `chomp`
- B. `join`
- C. `slice`
- D. `split`

**Answer:** C

**NEW QUESTION 122**

A Terraform provider is NOT responsible for:

- A. Exposing resources and data sources based on an API
- B. Managing actions to take based on resources differences
- C. Understanding API interactions with some service
- D. Provisioning infrastructure in multiple

**Answer:** D

**NEW QUESTION 125**

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 127**

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 = fifty two  
}
```

D.

```
{  
  name = John  
  age = 52  
}
```

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

**Answer: B**

**NEW QUESTION 132**

How does Terraform manage most dependencies between resources?

- A. Terraform will automatically manage most resource dependencies
- B. Using the depends\_on parameter
- C. By defining dependencies as modules and including them in a particular order
- D. The order that resources appear in Terraform configuration indicates dependencies

**Answer: A**

**NEW QUESTION 134**

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 139**

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 141**

Which command should you run to check if all code in a Terraform configuration that references multiple modules is properly formatted without making changes?

- A. terraform fmt -write=false
- B. terraform fmt -list -recursive
- C. terraform fmt -check -recursive
- D. terraform fmt -check

**Answer: C**

**NEW QUESTION 146**

A child module can always access variables declared in its parent module.

- A. True
- B. False

**Answer: B**

**NEW QUESTION 147**

When using a remote backend or terraform Cloud integration, where does Terraform save resource state?

- A. In an environment variable
- B. On the disk
- C. In the remote backend or Terraform Cloud
- D. In memory

**Answer: C**

**NEW QUESTION 152**

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 156**

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 161

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 164

You have declared a variable called `var.list` which is a list of objects that all have an attribute `id`. Which options will produce a list of the IDs? Choose two correct answers.

- A. `[ var.list [ * ] , id ]`
- B. `[ for o in var.list : o.id ]`
- C. `var.list[*].id`
- D. `{ for o in var.list : o => o.id }`

**Answer:** BC

#### NEW QUESTION 168

Running `terraform fmt` without any flags in a directory with Terraform configuration files will check the formatting of those files, but will never change their contents.

- A. True
- B. False

**Answer:** B

#### NEW QUESTION 172

Changing the Terraform backend from the default "local" backend to a different one after performing your first terraform apply is:

- A. Optional
- B. Impossible
- C. Mandatory
- D. Discouraged

**Answer:** D

#### NEW QUESTION 177

You are creating a reusable Terraform configuration and want to include an optional `billing_dept` tag so your Finance team can track team-specific spending on resources. Which of the following `billing_dept` variable declarations will achieve this?

- A. `variable "billing_dept" { type = default }`
- B. `variable "billing_dept" { default = }`
- C. `variable "billing_dept" { type = optional(string) }`
- D. `variable "billing_dept" { optional = true }`

**Answer:** C

#### NEW QUESTION 180

All modules published on the official Terraform Module Registry have been verified by HashiCorp.

- A. True
- B. False

**Answer:** B

#### NEW QUESTION 185

Which of the following are advantages of using infrastructure as code (IaC) instead of provisioning with a graphical user interface (GUI)? Choose two correct answers.

- A. Lets you version, reuse, and share infrastructure configuration
- B. Provisions the same resources at a lower cost
- C. Secures your credentials
- D. Reduces risk of operator error
- E. Prevents manual modifications to your resources

**Answer:** AD

**NEW QUESTION 187**

Which of these statements about HCP Terraform/Terraform Cloud workspaces is false?

- A. They can securely store cloud credentials.
- B. They have role-based access controls.
- C. Plans and applies can be triggered via version control system integrations.
- D. You must use the CLI to switch between workspaces.

**Answer: D**

**NEW QUESTION 189**

What does Terraform use the .terraform.lock.hc1 file for?

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

**Answer: B**

**NEW QUESTION 190**

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 191**

What type of block is used to construct a collection of nested configuration blocks?

- A. Dynamic
- B. For\_each
- C. Nesting
- D. repeated.

**Answer: A**

**NEW QUESTION 193**

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

- A. True
- B. False

**Answer: B**

**NEW QUESTION 198**

A resource block is shown in the Exhibit space of this page. How would you reference the name value of the second instance of this resource?

- A. aws\_instance.web[2].name
- B. aws\_instance.web.\*.name
- C. aws\_instance.web[1].name
- D. aws\_instance.web[1]
- E. element(aws\_instance.web, 2)

**Answer: C**

**NEW QUESTION 201**

What is terraform plan -refresh-only intended to detect?

- A. Terraform configuration code changes
- B. Corrupt state files

- C. State file drift
- D. Empty state files

**Answer:** C

#### NEW QUESTION 204

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 206

Exhibit:

```
data "aws_ami" "web" {
  most_recent = true owners = ["self"]
  tags = {
    Name = "web-server"
  }
}
```

A data source is shown in the exhibit. How do you reference the id attribute of this data source?

- A. aws\_ami.web.id
- B. web.id
- C. data.aws\_ami.web.id
- D. data.web.id

**Answer:** C

#### NEW QUESTION 208

Which of the following is not an advantage of using Infrastructure as Code (IaC) operations?

- A. Self-service infrastructure deployment.
- B. Modify a count parameter to scale resources.
- C. API-driven workflows.
- D. Troubleshoot via a Linux diff command.
- E. Public cloud console configuration workflows.

**Answer:** E

#### NEW QUESTION 213

Where in your Terraform configuration do you specify a state backend?

- A. The resource block
- B. The data source block
- C. The terraform block
- D. The provider block

**Answer:** C

#### NEW QUESTION 216

What kind of configuration block will create an infrastructure object with settings specified within the block?

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

**Answer:** D

#### NEW QUESTION 218

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

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

**Answer:** BC

#### NEW QUESTION 219

Exhibit:  
Root module configuration: output "vnet\_id" {  
value = module.my\_network.vnet\_id  
}  
Error:  
Error: Reference to undeclared output value on main.tf line 12, in output "vnet\_id":  
12: value = module.my\_network.vnet\_id  
You are using a networking module in your Terraform configuration with the name my\_network. Your root module includes the configuration shown. When you run terraform validate, you get the error shown. Which option would successfully retrieve this value from your networking module?

- A. Change the referenced value to module.my\_network.outputs.vnet\_id.
- B. Define the attribute vnet\_id as a variable in the networking module.
- C. Change the referenced value to my\_network.outputs.vnet\_id.
- D. Define the attribute vnet\_id as an output in the networking module.

**Answer: D**

#### NEW QUESTION 223

Terraform variables and outputs that set the description argument will store that description in the state file.

- A. True
- B. False

**Answer: B**

#### NEW QUESTION 228

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

- A. terraform state list ??provider\_type.name??
- B. terraform state show ??provider\_type.name??
- C. terraform get ??provider\_type.name??
- D. terraform state list

**Answer: B**

#### NEW QUESTION 230

When does Sentinel enforce policy logic during a Terraform Cloud run?

- A. Before the plan phase
- B. During the plan phase
- C. Before the apply phase
- D. After the apply phase

**Answer: C**

#### NEW QUESTION 234

A module block is shown in the Exhibit space of this page. When you use a module block to reference a module from the Terraform Registry such as the one in the example, how do you specify version 1.0.0 of the module?

- A. Append ?ref=v1.0.0 argument to the source path.
- B. You cannot
- C. Modules stored on the public Terraform Registry do not support versioning.
- D. Add a version = "1.0.0" attribute to the module block.
- E. Nothing
- F. Modules stored on the public Terraform module Registry always default to version 1.0.0.

**Answer: C**

#### NEW QUESTION 239

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

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

**Answer: A**

#### NEW QUESTION 243

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 247**

What does the default "local" Terraform backend store?

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

**Answer:** B

**NEW QUESTION 249**

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 253**

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 256**

Which of these are secure options for storing secrets for connecting to a Terraform remote backend? Choose two correct answers.

- A. A variable file
- B. Defined in Environment variables
- C. Inside the backend block within the Terraform configuration
- D. Defined in a connection configuration outside of Terraform

**Answer:** BD

**NEW QUESTION 261**

Exhibit.

```
provider "aws" {  
  region = "us-east-1"  
}
```

```
provider "aws" {  
  alias = "west"  
  region = "us-west-2"  
}
```

You need to deploy resources into two different regions in the same Terraform configuration. To do this, you declare multiple provider configurations as shown in the Exhibit space on this page.

What meta-argument do you need to configure in a resource block to deploy the resource to the us-west-2 AWS region?

- A. provider = aws.west
- B. alias = aws.west
- C. provider = west
- D. alias = west

**Answer:** A

**NEW QUESTION 262**

FILL IN THE BLANK

What is the name of the default file where Terraform stores the state?

Type your answer in the field provided. The text field is not case-sensitive and all variations of the correct answer are accepted.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Terraform.tfstate

#### NEW QUESTION 264

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 265

You have just developed a new Terraform configuration for two virtual machines with a cloud provider. You would like to create the infrastructure for the first time. Which Terraform command should you run first?

- A. terraform apply
- B. terraform init
- C. terraform plan
- D. terraform show

**Answer:** B

#### NEW QUESTION 270

What kind of configuration block will manage an infrastructure object with settings specified within the block?

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

**Answer:** A

#### NEW QUESTION 274

You modified your Terraform configuration to fix a typo in the resource ID by renaming it from photoes to photos. What configuration will you add to update the resource ID in state without destroying the existing resource?

Original configuration:

```
resource "aws_s3_bucket" "photoes" { bucket_prefix = "images" }
```

Updated configuration:

```
resource "aws_s3_bucket" "photos" { bucket_prefix = "images" }
```

- A. moved {from = aws\_s3\_bucket.photoesto = aws\_s3\_bucket.photos}
- B. moved {bucket.photoes = aws\_s3\_bucket.photos}
- C. moved {aws\_s3\_bucket.photoes = aws\_s3\_bucket.photos}
- D. Non
- E. Terraform will automatically update the resource ID.

**Answer:** A

#### NEW QUESTION 277

Terraform configuration can only call modules from the public registry.

- A. True
- B. False

**Answer:** B

#### NEW QUESTION 280

When should you run terraform init?

- A. Every time you run terraform apply
- B. Before you start coding a new Terraform project
- C. After you run terraform plan for the time in a new terraform project and before you run terraform apply
- D. After you start coding a new terraform project and before you run terraform plan for the first time.

**Answer:** D

**NEW QUESTION 284**

Which two steps are required to provision new infrastructure in the Terraform workflow? (Pick the 2 correct responses below.)

- A. Import
- B. Apply
- C. Validate
- D. Plan
- E. Init

**Answer:** BD

**NEW QUESTION 288**

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 293**

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 295**

Only the user that generated a terraform plan may apply it.

- A. True
- B. False

**Answer:** B

**NEW QUESTION 298**

Which of the following should you put into the required\_providers block?

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

**Answer:** B

**NEW QUESTION 299**

If one of your modules uses a local value, you can expose that value to callers of the module by defining a Terraform output in the module's configuration.

- A. True
- B. False

**Answer:** A

**NEW QUESTION 300**

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 302**

Your root module contains a variable named num\_servers. Which is the correct way to pass its value to a child module with an input named servers?

- A. servers = num\_servers
- B. servers = var(num\_servers)
- C. servers = var.num\_servers
- D. servers = \${var.num\_servers}

**Answer:** C

**NEW QUESTION 304**

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

**Answer:** A

**NEW QUESTION 308**

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

- A. True
- B. False

**Answer:** B

**NEW QUESTION 310**

Terraform providers are part of the Terraform core binary.

- A. True
- B. False

**Answer:** B

**NEW QUESTION 312**

Which of the following module source paths does not specify a remote module?

- A. Source = ??module/consul????
- B. Source = ???github.com:comicrop/example????
- C. Source = ???git@github.com:hasicrop/example.git????
- D. Source = ???hasicrop/consul/aws????

**Answer:** A

**NEW QUESTION 315**

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 320**

Terraform variable names are saved in the state file.

- A. True
- B. False

**Answer:** B

**NEW QUESTION 323**

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 327**

Multiple team members are collaborating on infrastructure using Terraform and want to format the\* Terraform code following standard Terraform-style convention. How should they ensure the code satisfies conventions?

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

**Answer: C**

**NEW QUESTION 330**

Terraform requires using a different provider for each cloud provider where you want to deploy resources.

- A. True
- B. False

**Answer: A**

**NEW QUESTION 332**

You want to define a single input variable to capture configuration values for a server. The values must represent memory as a number, and the server name as a string.

Which variable type could you use for this input?

- A. List
- B. Object
- C. Map
- D. Terraform does not support complex input variables of different types

**Answer: B**

**NEW QUESTION 334**

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 336**

You just scaled your VM infrastructure and realize you set the count variable to the wrong value. You correct the value and save your change. What must you do next to make your infrastructure match your configuration?

- A. Reinitialize because your configuration has changed.
- B. Inspect all Terraform outputs to make sure they are correct.
- C. Inspect your Terraform state because you want to change it.
- D. Run terraform apply and confirm the planned changes.

**Answer: D**

**NEW QUESTION 338**

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 342**

Your team often uses API calls to create and manage cloud infrastructure. In what ways does Terraform differ from conventional infrastructure management approaches?

- A. Terraform describes infrastructure with version-controlled, repeatable configurations that specify the desired state.
- B. Terraform is merely a wrapper for cloud provider APIs, so there is little to no difference in calling the API directly.
- C. Terraform replaces cloud provider APIs with its own protocols, enabling automated deployments.
- D. Terraform enforces infrastructure through imperative scripts to ensure tasks are completed in the proper order.

**Answer: A**

**NEW QUESTION 347**

terraform init creates an example main.tf file in the current directory.

- A. True
- B. False

**Answer: B**

**NEW QUESTION 352**

A developer launched a VM outside of the Terraform workflow and ended up with two servers with the same name. They are unsure which VM is managed with Terraform, but they do have a list of all active VM IDs. Which method could you use to determine which instance Terraform manages?

- A. Modify the Terraform configuration to add an import block for both of the virtual machines.
- B. Run a terraform apply -refresh to identify the virtual machine IDs that are already managed by Terraform.
- C. Run terraform state rm on both VMs, then terraform apply to recreate the correct one.
- D. 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.

**Answer: D**

#### NEW QUESTION 357

What feature stops multiple users from operating on the Terraform state at the same time?

- A. State locking
- B. Version control
- C. Provider constraints
- D. Remote backends

**Answer: A**

#### NEW QUESTION 358

You are using a networking module in your Terraform configuration with the name label my-network. In your main configuration you have the following code:  
When you run terraform validate, you get the following error:  
What must you do to successfully retrieve this value from your networking module?

- A. Change the reference value to my-network,outputs,vmet\_id
- B. Define the attribute vmet\_id as a variable in the networking module
- C. Define the attribute vnet\_id as an output in the networking module
- D. Change the reference value module.my,network,outputs,vnet\_id

**Answer: C**

#### NEW QUESTION 359

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 361

In a 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: B**

#### NEW QUESTION 363

A Terraform local value can reference other Terraform local values.

- A. True
- B. False

**Answer: A**

#### NEW QUESTION 364

A module can always refer to all variables declared in its parent module.

- A. True
- B. False

**Answer: B**

#### NEW QUESTION 365

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 368**

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 370**

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 372**

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 374**

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 requires you to manually run terraform plan first
- C. Terraform needs to install the necessary plugins first
- D. Terraform needs you to format your code according to best practices first

**Answer: C**

**NEW QUESTION 375**

You used Terraform to create an ephemeral development environment in the cloud and are now ready to destroy all the infrastructure described by your Terraform configuration. To be safe, you would like to first see all the infrastructure that Terraform will delete.

Which command should you use to show all the resources that will be deleted? (Pick the 2 correct responses)

- A. Run terraform destroy
- B. This will output all the resources that will be deleted before prompting for approval.
- C. Run terraform show -destroy.
- D. Run terraform state rm \*

**Answer: AB**

**NEW QUESTION 378**

Your DevOps team is currently using the local backend for your Terraform configuration. You would like to move to a remote backend to store the state file in a central location. Which of the following backends would not work?

- A. Artifactory
- B. Amazon S3
- C. Terraform Cloud
- D. Git

**Answer: D**

**NEW QUESTION 383**

You have used Terraform to create an ephemeral development environment in the cloud and are now ready to destroy all the infrastructure described by your Terraform configuration. To be safe, you would like to first see all the infrastructure that Terraform will delete.

Which command should you use to show all of the resources that will be deleted? Choose two correct answers.

- A. Run terraform state rm ??
- B. Run terraform show :destroy
- C. Run terraform destroy and it will first output all the resource that will be deleted before prompting for approval
- D. Run terraform plan .destroy

**Answer: CD**

**NEW QUESTION 386**

You decide to move a Terraform state file to Amazon S3 from another location. You write the code below into a file called backend.tf. Which command will migrate your current state file to the new S3 remote backend?

- A. terraform state
- B. terraform init
- C. terraform push
- D. terraform refresh

**Answer: B**

**NEW QUESTION 391**

Which are benefits of migrating from a local state backend to a remote backend? (Pick the 2 correct responses below.)

- A. Guarantees that configuration drift cannot occur for the managed infrastructure.
- B. Eliminates the need to manage credentials when deploying infrastructure to multiple cloud providers.
- C. Faster plan and apply execution because the state is cached locally on the cloud provider.
- D. State locking that allows multiple team members to safely work on the same infrastructure.
- E. The ability to enable server-side encryption at rest.

**Answer: DE**

**NEW QUESTION 392**

What information does the public Terraform Module Registry automatically expose about published modules?

- A. Required input variables
- B. Optional inputs variables and default values
- C. Outputs
- D. All of the above
- E. None of the above

**Answer: D**

**NEW QUESTION 396**

Exhibit:  

```
resource "aws_instance" "example" { ami = "ami-0a123456789abcdef" instance_type = "t3.micro" }
```

You are updating a child module with the resource block shown in the exhibit. The public\_ip attribute of the resource needs to be accessible to the parent module. How do you meet this requirement?

- A. Create an output in the child module.
- B. Add a data source to the parent module.
- C. Add an import block to the parent module.
- D. Create a local value in the child module.

**Answer: A**

**NEW QUESTION 401**

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 403**

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 407**

What is a key benefit of the Terraform state file?

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

**Answer: B**

**NEW QUESTION 408**

Why would you use the -replace flag for terraform apply?

- A. You want to force Terraform to destroy a resource on the next apply.
- B. You want Terraform to ignore a resource on the next apply.
- C. You want to force Terraform to destroy and recreate a resource on the next apply.
- D. You want Terraform to destroy all the infrastructure in your workspace.

**Answer: C**

**NEW QUESTION 413**

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