

Terraform-Associate-004 Dumps

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

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



NEW QUESTION 1

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 2

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 3

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 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

What is the purpose of the terraform.lock.hcl file in Terraform?

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

Answer: D

NEW QUESTION 6

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 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

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 10

If you manually destroy infrastructure, what is the best practice reflecting this change in Terraform?

- A. Run terraform refresh
- B. It will happen automatically
- C. Manually update the state file
- D. Run terraform import

Answer: B

NEW QUESTION 10

Which task does terraform init not perform?

- A. Validates all required variables are present
- B. Sources any modules and copies the configuration locally
- C. Connects to the backend
- D. Sources all providers used in the configuration and downloads them

Answer: A

NEW QUESTION 11

What are some benefits of using Sentinel with Terraform Cloud/Terraform Cloud? Choose three correct answers.

- A. You can restrict specific resource configurations, such as disallowing the use of CIDR=0.0.0.0/0.
- B. You can check out and check in cloud access keys
- C. Sentinel Policies can be written in HashiCorp Configuration Language (HCL)
- D. Policy-as-code can enforce security best practices
- E. You can enforce a list of approved AWS AMIs

Answer: ADE

NEW QUESTION 16

A Terraform backend determines how Terraform loads state and stores updates when you execute which command?

- A. apply
- B. destroy
- C. Both of these are correct.
- D. Neither of these are correct.

Answer: C

NEW QUESTION 21

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 24

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 25

Select the command that doesn't cause Terraform to refresh its state.

- A. Terraform destroy
- B. Terraform apply
- C. Terraform plan
- D. Terraform state list

Answer: D

NEW QUESTION 29

Which of the following is not a way to trigger terraform destroy?

- A. Using the destroy command with auto-approve.
- B. Passing --destroy at the end of a plan request.
- C. Running terraform destroy from the correct directory and then typing yes when prompted in the CLI.

Answer: B

NEW QUESTION 32

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 33

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 34

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 37

Outside of the required_providers block, Terraform configurations always refer to providers by their local names.

- A. True
- B. False

Answer: B

NEW QUESTION 40

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 45

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 48

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 53

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 terraform apply again immediately afterward without changing any Terraform code?

- A. Terraform will terminate and recreate the VM.
- B. Terraform will create another duplicate VM.
- C. Terraform will apply the VM to the state file.
- D. Nothing

Answer: D

NEW QUESTION 56

Exhibit:

```
module "network" {  
  source = "terraform-google-modules/network/google" version = "~> 11.0"  
}
```

What version of the source module does Terraform allow with the module block shown in the exhibit?

- A. Any version of the module > 11.0.
- B. Any version of the module >= 11.0.
- C. Any version of the module >= 11.0 and < 12.0.
- D. Any version of the module >= 11.0.0 and < 11.1.0.

Answer: C

NEW QUESTION 58

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 62

You have a simple Terraform configuration containing one VM (virtual machine) in a cloud provider. You run terraform apply and the VM is created successfully. What will happen if you run terraform apply again immediately afterwards without changing any Terraform code?

- A. Terraform will terminate and recreate the VM.
- B. Terraform will create another duplicate VM.
- C. Terraform will apply the VM to the state file.
- D. Terraform will take no action.

Answer: D

NEW QUESTION 63

The -refresh-only parameter will update your state file when used with terraform plan.

- A. True
- B. False

Answer: B

NEW QUESTION 66

Which of the following can you do with terraform plan? (Pick 2 correct responses)

- A. Schedule Terraform to run at a planned time in the future.
- B. View the execution plan and check if the changes match your expectations.

- C. Save a generated execution plan to apply later.
- D. Execute a plan in a different workspace.

Answer: BC

NEW QUESTION 67

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 69

Which command lets you experiment with terraform expressions?

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

Answer: A

NEW QUESTION 71

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 75

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 available to paying customers
- D. All of the above

Answer: A

NEW QUESTION 80

One cloud block always maps to a single HCP Terraform/Terraform Cloud workspace.

- A. True
- B. False

Answer: A

NEW QUESTION 85

Which of the following command would be used 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 87

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 88

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 92

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 95

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

- A. True
- B. False

Answer: A

NEW QUESTION 99

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 103

Terraform providers are always installed from the Internet.

- A. True
- B. False

Answer: B

NEW QUESTION 107

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 state 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 112

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 115

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 3)

- A. In a plaintext document on a shared drive.

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

Answer: CDE

NEW QUESTION 118

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 122

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 123

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

Answer: BE

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 126

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 129

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 133

You have developed a new cloud-based service that uses proprietary APIs and want to use Terraform to create, manage, and delete users from the service. How can Terraform interact with the service?

- A. Terraform can manage users for any service that is hosted on a public cloud provider.
- B. Develop and publish a custom provider to interact with the service using its proprietary APIs.

Answer: B

NEW QUESTION 136

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 138

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 142

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 145

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 149

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

You have deployed a new webapp with a public IP address on a cloud provider. However, you did not create any outputs for your code. What is the best method to quickly find the IP address of the resource you deployed?

- A. In a new folder, use the terraform_remote_state data source to load in the state file, then write an output for each resource that you find the state file
- B. Run terraform state list to find the name of the resource, then terraform state show to find the attributes including public IP address
- C. Run terraform output ip_address to view the result

D. Run terraform destroy then terraform apply and look for the IP address in stdout

Answer: B

NEW QUESTION 156

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 159

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 163

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 167

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

- A. True
- B. False

Answer: B

NEW QUESTION 168

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 171

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 174

You can access state stored with the local backend by using terraform_remote_state data source.

- A. True
- B. False

Answer: B

NEW QUESTION 178

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. fileset("id_rsa.pub")
- B. file("id_rsa.pub")

- C. `filebase64("id_rsa.pub")`
- D. `templatefile("id_rsa.pub")`

Answer: B

NEW QUESTION 183

Which is a benefit of using infrastructure as code (IaC) tools compared to native platform APIs?

- A. IaC allows you to write each API call required to reach the desired configuration.
- B. IaC calls native command line tools, which are more efficient than API calls.
- C. IaC configurations define the current state of infrastructure, which allows you to identify the correct API calls to make changes.
- D. IaC configurations define the end state of the infrastructure without having to write API calls to reach the desired configuration.

Answer: D

NEW QUESTION 187

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 188

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

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

Answer: ACD

NEW QUESTION 190

You have never used Terraform before and would like to test it out using a shared team account for a cloud provider. The shared team account already contains 15 virtual machines (VM). You develop a Terraform configuration containing one VM. perform `terraform apply`, and see that your VM was created successfully. What should you do to delete the newly-created VM with Terraform?

- A. The Terraform state file contains all 16 VMs in the team account
- B. Execute `terraform destroy` and select the newly-created VM.
- C. Delete the Terraform state file and execute `terraform apply`.
- D. The Terraform state file only contains the one new V
- E. Execute `terraform destroy`.
- F. Delete the VM using the cloud provider console and `terraform apply` to apply the changes to the Terraform state file.

Answer: C

NEW QUESTION 195

Which of these are features of HCP Terraform/Terraform Cloud? (Pick the 2 correct responses)

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

Answer: BD

NEW QUESTION 199

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 203

Terraform can only manage resource dependencies if you set them explicitly with the `depends_on` argument.

- A. True

B. False

Answer: B

NEW QUESTION 205

A provider configuration block is required in every Terraform configuration. Example:

```
provider "provider_name" {  
    . . .  
}
```

- A. True
- B. False

Answer: B

NEW QUESTION 207

When you use a backend that requires authentication, it is best practice to:

- A. Run all of your Terraform commands on a shared server or container.
- B. Configure the authentication credentials in your Terraform configuration files, and store them in a private version control system.
- C. Use environment variables to configure authentication credentials outside of your Terraform configuration.
- D. None of the above.

Answer: C

NEW QUESTION 212

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

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

Answer: BC

NEW QUESTION 214

Which command doesnotcause Terraform to refresh its state?

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

Answer: A

NEW QUESTION 218

terraform validate uses provider APIs to verify your infrastructure settings.

- A. True
- B. False

Answer: B

NEW QUESTION 223

How would you reference the volume IDs associated with the ebs_block_device blocks in this configuration?

```
resource "aws_instance" "example" {
  ami = "ami-abc123"
  instance_type = "t2.micro"

  ebs_block_device {
    device_name = "sda2"
    volume_size = 16
  }

  ebs_block_device {
    device_name = "sda3"
    volume_size = 20
  }
}
```

- A. aws_instance.example.ebs_block_device[sda2,sda3].volume_id
- B. aws_instance.example.ebs_block_device.[*].volume_id
- C. aws_instance.example.ebs_block_device.volume_ids
- D. aws_instance.example.ebs_block_device.*.volume_id

Answer: D

NEW QUESTION 225

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 226

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

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

Answer: A

NEW QUESTION 230

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 231

Which of the following is available only in HCP Terraform workspaces and not in Terraform CLI?

- A. Dry runs with terraform plan.
- B. Secure variable storage.

- C. Using one workspace's state as a data source for another.
- D. Support for multiple cloud providers.

Answer: C

NEW QUESTION 235

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 237

HashiCorp Configuration Language (HCL) supports user-defined functions.

- A. True
- B. False

Answer: B

NEW QUESTION 238

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

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

Answer: D

NEW QUESTION 243

When should you write Terraform configuration files for existing infrastructure that you want to start managing with Terraform?

- A. You can import infrastructure without corresponding Terraform code
- B. Terraform will generate the corresponding configuration files for you
- C. Before you run terraform import
- D. After you run terraform import

Answer: C

NEW QUESTION 246

What is the workflow for deploying new infrastructure with Terraform?

- A. Write Terraform configuration, run terraform init to initialize the working directory or workspace, and run terraform apply
- B. Write Terraform configuration, run terraform show to view proposed changes, and terraform apply to create new infrastructure
- C. Write Terraform configuration, run terraform apply to create infrastructure, use terraform validate to confirm Terraform deployed resources correctly
- D. Write Terraform configuration, run terraform plan to initialize the working directory or workspace, and terraform apply to create the infrastructure

Answer: A

NEW QUESTION 251

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 254

terraform destroy is the only way to remove infrastructure.

- A. True
- B. False

Answer: B

NEW QUESTION 255

Terraform configuration can only call modules from the public registry.

- A. True

B. False

Answer: B

NEW QUESTION 257

Exhibit:
provider "aws" { region = "us-east-1" } provider "aws" { region = "us-west-2" }
You need to deploy resources into two different AWS regions in the same Terraform configuration using the provider blocks shown in the exhibit. What do you need to add to the provider configuration to deploy a resource to the us-west-2 AWS region?

- A. Add an alias to the us-west-2 provider (for example, alias = "west") and set provider = aws.west on resources that should use us-west-2.
- B. Rename the provider block to provider "aws" "west" { region = "us-west-2" }.
- C. Create a new provider named provider "aws_west" { region = "us-west-2" }.
- D. Nothin
- E. Terraform will automatically decide which provider to use for each resource.

Answer: A

NEW QUESTION 261

Where in your Terraform configuration do you specify remote state storage settings?

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

Answer: D

NEW QUESTION 263

When do changes invoked by terraform apply take effect?

- A. After Terraform has updated the state file
- B. Once the resource provider has fulfilled the request
- C. Immediately
- D. None of the above are correct

Answer: B

NEW QUESTION 267

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

- A. True
- B. False

Answer: B

NEW QUESTION 272

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 277

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 279

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 280

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

- A. True
- B. False

Answer: B

NEW QUESTION 285

You need to destroy all of the resources in your Terraform workspace, except for `aws_instance.ubuntu[1]`, which you want to keep. How can you tell Terraform to stop managing that specific resource without destroying it?

- A. Remove the resource block from your configuration.
- B. Change the value of the `count` argument on the resource.
- C. Run `terraform state rm aws_instance.ubuntu[1]`.
- D. Use a `moved` block.

Answer: C

NEW QUESTION 288

When you use a backend that requires authentication, it is best practice to:

- A. Run all Terraform commands on a shared server or container.
- B. Configure the authentication credentials in your Terraform configuration files, and store them in version control.
- C. Use environment variables to configure authentication credentials outside of your Terraform configuration.
- D. None of the above.

Answer: C

NEW QUESTION 292

It is best practice to store secret data in the same version control repository as your Terraform configuration.

- A. True
- B. False

Answer: B

NEW QUESTION 293

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 297

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 298

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

- A. True
- B. False

Answer: A

NEW QUESTION 303

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 308

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 309

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

- A. True
- B. False

Answer: B

NEW QUESTION 314

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 316

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 319

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 324

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 326

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 330

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 331

A Terraform local value can reference other Terraform local values.

- A. True
- B. False

Answer: A

NEW QUESTION 334

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 336

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 341

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

- A. A subdirectory of your home directory named .terraform.d
- B. A file in your configuration's directory named terraform.tfstate
- C. A file in your configuration's directory named .terraform.lock.hcl
- D. A subdirectory of your configuration named .terraform

Answer: B

NEW QUESTION 342

What is the purpose of state locking in a remote backend?

- A. Encrypts the state in the remote backend.
- B. Requires every instance of Terraform to use the same provider version.
- C. Creates a backup of the state file in a secure location.
- D. Ensures only one instance of Terraform can modify the state at a time.

Answer: D

NEW QUESTION 344

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 348

You created infrastructure outside the Terraform workflow that you now want to manage using Terraform. Which command brings the infrastructure into Terraform state?

- A. terraform get
- B. terraform refresh
- C. terraform import
- D. terraform init

Answer: C

NEW QUESTION 350

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 351

Terraform configuration can only import modules from the public registry.

- A. True
- B. False

Answer: B

NEW QUESTION 352

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 356

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 360

One remote backend configuration always maps to a single remote workspace.

- A. True
- B. False

Answer: A

NEW QUESTION 363

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 366

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 370

You've enabled DEBUG-level logging for Terraform, and you'd like to send the log data to a file. Which action should you take?

- A. Set the TF_LOG_PATH environment variable.
- B. Update the Terraform CLI configuration file.
- C. Add a path argument to the terraform block.
- D. Run the terraform output command.

Answer: A

NEW QUESTION 371

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

- A. True
- B. False

Answer: B

NEW QUESTION 373

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