

Exam Questions Terraform-Associate-004

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

<https://www.2passeasy.com/dumps/Terraform-Associate-004/>



NEW QUESTION 1

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 2

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 3

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

- A. True
- B. False

Answer: A

NEW QUESTION 4

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

- A. True
- B. False

Answer: A

NEW QUESTION 5

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

- A. True
- B. False

Answer: B

NEW QUESTION 6

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 7

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 8

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 9

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 10

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 10

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 11

How does the use of Infrastructure as Code (IaC) enhance the reliability of your infrastructure?

Pick the two correct responses below.

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

Answer: AE

NEW QUESTION 14

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 17

Terraform requires the Go runtime as a prerequisite for installation.

- A. True
- B. False

Answer: B

NEW QUESTION 22

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 26

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 31

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 34

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

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

Answer: C

NEW QUESTION 36

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 41

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 45

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

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

Answer: AD

NEW QUESTION 46

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

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

Answer: C

NEW QUESTION 50

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 53

Only the user that generated a plan may apply it.

- A. True
- B. False

Answer: B

NEW QUESTION 56

Which command lets you experiment with terraform expressions?

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

Answer: A

NEW QUESTION 59

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

- A. True
- B. False

Answer: A

NEW QUESTION 60

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 61

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 63

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

- A. True
- B. False

Answer: A

NEW QUESTION 66

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 67

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 72

Terraform providers are always installed from the Internet.

- A. True
- B. False

Answer: B

NEW QUESTION 73

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 77

The determines how Terraform creates, updates, or delete resources.

- A. Terraform configuration
- B. Terraform provisioner
- C. Terraform provider
- D. Terraform core

Answer: C

NEW QUESTION 79

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

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

Answer: C

NEW QUESTION 84

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

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

Answer: A

NEW QUESTION 85

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 86

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 88

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 92

You want to create a string that combines a generated random_id and a variable and reuse that string several times in your configuration. What is the simplest correct way to implement this without repeating the random_id and variable?

- A. Use a module.
- B. Add an output value.
- C. Add a local value.
- D. Use a data source.

Answer: C

NEW QUESTION 93

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 97

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

- A. azurerm
- B. azurerm_resource_group
- C. ev
- D. test

Answer: C

NEW QUESTION 102

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 104

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 107

You want to define multiple data disks as nested blocks inside the resource block for a virtual machine. What Terraform feature would help you define the blocks using the values in a variable?

- A. Local values
- B. Count arguments
- C. Collection functions
- D. Dynamic blocks

Answer: D

NEW QUESTION 111

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 116

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 121

If you update the version constraint in your Terraform configuration, Terraform will update your lock file the next time you run terraform Init.

- A. True
- B. False

Answer: A

NEW QUESTION 123

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

- A. True
- B. False

Answer: B

NEW QUESTION 127

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 132

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[0].name
- D. aws_instance.web[1]
- E. element(aws_instance.web, 2)

Answer: C

NEW QUESTION 133

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

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

Answer: B

NEW QUESTION 138

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 141

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 146

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 150

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

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

Answer: D

NEW QUESTION 153

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 156

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

- A. True

B. False

Answer: B

NEW QUESTION 157

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 158

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

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

Answer: BC

NEW QUESTION 162

Which command add existing resources into Terraform state?

- A. Terraform init
- B. Terraform plan
- C. Terraform refresh
- D. Terraform import
- E. All of these

Answer: D

NEW QUESTION 167

terraform validate uses provider APIs to verify your infrastructure settings.

- A. True
- B. False

Answer: B

NEW QUESTION 172

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

- A. True
- B. False

Answer: B

NEW QUESTION 173

Your risk management organization requires that new AWS S3 buckets must be private and encrypted at rest. How can Terraform Cloud automatically and proactively enforce this security control?

- A. Auditing cloud storage buckets with a vulnerability scanning tool
- B. By adding variables to each Terraform Cloud workspace to ensure these settings are always enabled
- C. With an S3 module with proper settings for buckets
- D. With a Sentinel policy, which runs before every apply

Answer: D

NEW QUESTION 175

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

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

Answer: B

NEW QUESTION 177

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 180

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 183

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

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

Answer: A

NEW QUESTION 188

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 193

Which task does terraform init not perform?

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

Answer: B

NEW QUESTION 196

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 198

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 202

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

- A. True
- B. False

Answer: B

NEW QUESTION 207

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 210

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

- A. file("id_rsa.pub")
- B. templatefile("id_rsa.pub")
- C. filebase64("id_rsa.pub")
- D. fileset("id_rsa.pub")

Answer: A

NEW QUESTION 211

What command can you run to generate DOT (Graphviz) formatted data to visualize Terraform dependencies?

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

Answer: B

NEW QUESTION 214

terraform destroy is the only way to remove infrastructure.

- A. True
- B. False

Answer: B

NEW QUESTION 218

What does this code do?

```
terraform { required_providers { aws = ">= 3.0" }}
```

- A. Requires any version of the AWS provider > = 3.0 and <4.0
- B. Requires any version of the AWS provider >= 3.0
- C. Requires any version of the AWS provider > = 3.0 major releases
- D. like 4.1
- E. Requires any version of the AWS provider > 3.0

Answer: A

NEW QUESTION 220

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 221

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 222

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 225

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

- A. True
- B. False

Answer: A

NEW QUESTION 228

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 233

What functionality do providers offer in Terraform?(Pick 3 correct responses)

- A. Interact with cloud provider APIs.
- B. Provision resources for on-premises infrastructure services.
- C. Group a collection of Terraform configuration files that map to a single state file.
- D. Provision resources for public cloud infrastructure services.
- E. Enforce security and compliance policies.

Answer: ABD

NEW QUESTION 234

Which of the following is not a key principle of infrastructure as code?

- A. Self-describing infrastructure
- B. Idempotence
- C. Versioned infrastructure
- D. Golden images

Answer: D

NEW QUESTION 239

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 243

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 245

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 247

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 249

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 253

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 257

A Terraform local value can reference other Terraform local values.

- A. True
- B. False

Answer: A

NEW QUESTION 258

What is modified when executing Terraform inrefresh-only mode?

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

Answer: C

NEW QUESTION 260

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

- A. True
- B. False

Answer: B

NEW QUESTION 262

Once you configure a new Terraform backend with a terraform code block, which command(s) should you use to migrate the state file?

- A. terraform destroy, then terraform apply
- B. terraform init
- C. terraform push
- D. terraform apply

Answer: A

NEW QUESTION 263

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. Runterraform destro
- B. This will output all the resources that will be deleted before prompting for approval.
- C. Runterraform show -destroy.
- D. Runterraform state rm *.

Answer: AB

NEW QUESTION 264

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 266

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 268

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 271

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

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

Answer: B

NEW QUESTION 276

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 277

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 279

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

- A. True
- B. False

Answer: A

NEW QUESTION 280

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

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

Answer: B

NEW QUESTION 285

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 286

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

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

Answer: D

NEW QUESTION 291

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 296

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 300

You are writing a child Terraform module that provisions an AWS instance. You want to reference the IP address returned by the child module in the root configuration. You name the instance resource "main".

Which of these is the correct way to define the output value?

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

Answer: A

NEW QUESTION 303

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

- A. Terraform plan rm:aws_instance.ubuntu[1]
- B. Terraform state rm:aws_instance.ubuntu[1]
- C. Terraform apply rm:aws_instance.ubuntu[1]
- D. Terraform destroy rm:aws_instance.ubuntu[1]

Answer: B

NEW QUESTION 308

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