



HashiCorp

Exam Questions Terraform-Associate-004

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

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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 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

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

- A. True
- B. False

Answer: A

NEW QUESTION 4

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 5

Which Terraform command checks that your configuration syntax is correct?

- A. terraform validate
- B. terraform init
- C. terraform show
- D. terraform fmt

Answer: A

NEW QUESTION 6

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

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

Answer: D

NEW QUESTION 7

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

- A. True
- B. False

Answer: A

NEW QUESTION 8

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

- A. True
- B. False

Answer: A

NEW QUESTION 9

What does state locking accomplish?

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

Answer: B

NEW QUESTION 10

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 10

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 15

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 18

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 19

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 22

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 26

Terraform requires the Go runtime as a prerequisite for installation.

- A. True
- B. False

Answer: B

NEW QUESTION 30

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

- A. True
- B. False

Answer: B

NEW QUESTION 32

What is 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 36

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

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

Answer: B

NEW QUESTION 40

The terraform output command shows outputs from child modules.

- A. True
- B. False

Answer: B

NEW QUESTION 41

Which of the following is not a valid source path for specifying a module?

- A. source - "github.com/hashicorp/examplePref-1.0.8M"
- B. source = "./module?version=v1.6.0"
- C. source - "hashicorp/consul/aws"
- D. source - "./module"

Answer: B

NEW QUESTION 45

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 47

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 50

Terraform encrypts sensitive values stored in your state file.

- A. True
- B. False

Answer: B

NEW QUESTION 55

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

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

Answer: B

NEW QUESTION 59

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 64

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

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

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

Answer: C

NEW QUESTION 69

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 73

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 77

Only the user that generated a plan may apply it.

- A. True
- B. False

Answer: B

NEW QUESTION 80

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

- A. depends_on
- B. alias
- C. name
- D. id

Answer: B

NEW QUESTION 84

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

- A. True
- B. False

Answer: B

NEW QUESTION 87

Which command lets you experiment with terraform expressions?

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

Answer: A

NEW QUESTION 90

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

- A. True
- B. False

Answer: B

NEW QUESTION 95

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 99

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

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

Answer: A

NEW QUESTION 101

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 106

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 107

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 108

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 117

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

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

Answer: C

NEW QUESTION 121

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 126

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 130

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 131

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 133

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 138

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

- A. True
- B. False

Answer: B

NEW QUESTION 142

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

- A. True
- B. False

Answer: A

NEW QUESTION 145

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

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

Answer: BCD

NEW QUESTION 146

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

- A. True
- B. False

Answer: B

NEW QUESTION 151

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

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

Answer: BDE

NEW QUESTION 156

Which of the following statements about Terraform modules is not true?

- A. Modules can call other modules
- B. A module is a container for one or more resources
- C. Modules must be publicly accessible
- D. You can call the same module multiple times

Answer: C

NEW QUESTION 157

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 160

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 164

`terraform plan` updates your state file.

- A. True
- B. False

Answer: B

NEW QUESTION 169

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 174

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 176

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 177

You must initialize your working directory before running `terraform validate`.

- A. True
- B. False

Answer: A

NEW QUESTION 179

You can configure Terraform to log to a file using the TF_LOG environment variable.

- A. True
- B. False

Answer: A

NEW QUESTION 183

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 188

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 190

Define the purpose of state in Terraform.

- A. State maps real world resources to your configuration and keeps track of metadata
- B. State lets you enforce resource configurations that relate to compliance policies
- C. State stores variables and lets you quickly reuse existing code
- D. State codifies the dependencies of related resources

Answer: A

NEW QUESTION 194

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

- A. True
- B. False

Answer: B

NEW QUESTION 195

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

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

- A. True
- B. False

Answer: B

NEW QUESTION 196

Which is a benefit of the Terraform state file?

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

D. A state file is a source of truth for resources provisioned with a public cloud console.

Answer: C

NEW QUESTION 199

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

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

Answer: BC

NEW QUESTION 201

terraform validate uses provider APIs to verify your infrastructure settings.

- A. True
- B. False

Answer: B

NEW QUESTION 203

Setting the TF_LOG environment variable to DEBUG causes debug messages to be logged into stdout.

- A. True
- B. False

Answer: A

NEW QUESTION 207

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 209

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 214

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 216

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 217

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

- A. True
- B. False

Answer: A

NEW QUESTION 220

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 223

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 226

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 227

terraform validate confirms that your infrastructure matches the Terraform state file.

- A. True
- B. False

Answer: B

NEW QUESTION 229

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 233

terraform destroy is the only way to remove infrastructure.

- A. True
- B. False

Answer: B

NEW QUESTION 235

Terraform configuration can only call modules from the public registry.

- A. True
- B. False

Answer: B

NEW QUESTION 238

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 243

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

- A. True
- B. False

Answer: B

NEW QUESTION 247

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 251

Terraform providers are part of the Terraform core binary.

- A. True
- B. False

Answer: B

NEW QUESTION 255

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 256

When do you need to explicitly execute Terraform in refresh-only mode?

- A. Before every terraform plan.
- B. Before every terraform apply.
- C. Before every terraform import.
- D. None of the above.

Answer: C

NEW QUESTION 260

Which of the following locations can Terraform use as 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 265

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

- A. True
- B. False

Answer: B

NEW QUESTION 266

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 268

Which method for sharing Terraform modules fulfills the following criteria: Keeps the module configurations confidential within your organization. Supports Terraform's semantic version constraints. Provides a browsable directory of your modules.

- A. A Git repository containing your modules.
- B. Public Terraform module registry.
- C. A subfolder within your workspace.
- D. HCP Terraform/Terraform Cloud private registry.

Answer: D

NEW QUESTION 272

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 277

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 280

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 281

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 285

You have a Terraform configuration that defines a single virtual machine with no references to it, You have run terraform apply to create the resource, and then removed the resource definition from your Terraform configuration file.

What will happen you run terraform apply in the working directory again?

- A. Terraform will remove the virtual machine from the state file, but the resource will still exist
- B. Nothing
- C. Terraform will error
- D. Terraform will destroy the virtual machine

Answer: D

NEW QUESTION 290

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 294

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

- A. True
- B. False

Answer: B

NEW QUESTION 295

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 297

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 299

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 300

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 302

A Terraform local value can reference other Terraform local values.

- A. True
- B. False

Answer: A

NEW QUESTION 304

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

- A. True
- B. False

Answer: A

NEW QUESTION 308

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 309

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 310

_____ backends support state locking.

- A. All
- B. No
- C. Some
- D. Only local

Answer: C

NEW QUESTION 313

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 316

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 318

Which configuration consistency errors does terraform validate report?

- A. Terraform module isn't the latest version
- B. Differences between local and remote state
- C. Declaring a resource identifier more than once
- D. A mix of spaces and tabs in configuration files

Answer: C

NEW QUESTION 319

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 321

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

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

Answer: CD

NEW QUESTION 326

A Terraform output that sets the "sensitive" argument to true will not store that value in the state file.

- A. True
- B. False

Answer: B

NEW QUESTION 330

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 335

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

- A. True
- B. False

Answer: A

NEW QUESTION 337

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

- A. True
- B. False

Answer: B

NEW QUESTION 341

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