

Terraform Assignment 2

The screenshot displays the AWS CloudShell interface with a terminal window. The terminal shows the following commands and output:

```
ubuntu@ip-172-31-2-184:~$ ls
install.sh main.tf terraform.tfstate
ubuntu@ip-172-31-2-184:~$
```

Below the terminal, a pop-up box displays the instance details for `i-056cc722c1a74a92b` (harshad-terraform):

`i-056cc722c1a74a92b` (harshad-terraform)
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The bottom part of the screenshot shows the same terminal window with the following commands and output:

```
ubuntu@ip-172-31-2-184:~$ ls
install.sh main.tf terraform.tfstate
ubuntu@ip-172-31-2-184:~$
ubuntu@ip-172-31-2-184:~$ terraform destroy
```

Below the terminal, a pop-up box displays the instance details for `i-056cc722c1a74a92b` (harshad-terraform):

`i-056cc722c1a74a92b` (harshad-terraform)
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us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-2&connType=standard&instanceId=i-056cc722c1a74a92b&osUser=ubuntu&sshPort=22#

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CloudWatch RDS EC2 S3 Amazon Redshift IAM

```
ubuntu@ip-172-31-2-184:~$ ls
install.sh main.tf terraform.tfstate
ubuntu@ip-172-31-2-184:~$
ubuntu@ip-172-31-2-184:~$ terraform destroy

No changes. No objects need to be destroyed.

Either you have not created any objects yet or the existing objects were already deleted outside of Terraform.

Destroy complete! Resources: 0 destroyed.
ubuntu@ip-172-31-2-184:~$
```

i-056cc722c1a74a92b (harshad-terraform)

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us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-2&connType=standard&instanceId=i-056cc722c1a74a92b&osUser=ubuntu&sshPort=22#

Search [Alt+S]

CloudWatch RDS EC2 S3 Amazon Redshift IAM

```
ubuntu@ip-172-31-2-184:~$ ls
install.sh main.tf terraform.tfstate
ubuntu@ip-172-31-2-184:~$
ubuntu@ip-172-31-2-184:~$ terraform destroy

No changes. No objects need to be destroyed.

Either you have not created any objects yet or the existing objects were already deleted outside of Terraform.

Destroy complete! Resources: 0 destroyed.
ubuntu@ip-172-31-2-184:~$ ls
install.sh main.tf terraform.tfstate
ubuntu@ip-172-31-2-184:~$ main.tf
main.tf: command not found
ubuntu@ip-172-31-2-184:~$ sudo nano main.tf
ubuntu@ip-172-31-2-184:~$
```

i-056cc722c1a74a92b (harshad-terraform)

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ubuntu@ip-172-31-2-184:~$ ls
install.sh main.tf terraform.tfstate
ubuntu@ip-172-31-2-184:~$
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ubuntu@ip-172-31-2-184:~$ ls
install.sh main.tf terraform.tfstate
ubuntu@ip-172-31-2-184:~$ main.tf
main.tf: command not found
ubuntu@ip-172-31-2-184:~$ sudo nano main.tf
ubuntu@ip-172-31-2-184:~$
```

i-056cc722c1a74a92b (harshad-terraform)

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ubuntu@ip-172-31-2-184:~$ ls
install.sh main.tf terraform.tfstate
ubuntu@ip-172-31-2-184:~$
ubuntu@ip-172-31-2-184:~$ terraform destroy

No changes. No objects need to be destroyed.

Either you have not created any objects yet or the existing objects were already deleted outside of Terraform.

Destroy complete! Resources: 0 destroyed.
ubuntu@ip-172-31-2-184:~$ ls
install.sh main.tf terraform.tfstate
ubuntu@ip-172-31-2-184:~$ main.tf
main.tf: command not found
ubuntu@ip-172-31-2-184:~$ sudo nano main.tf
ubuntu@ip-172-31-2-184:~$ terraform plan
```

i-056cc722c1a74a92b (harshad-terraform)

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ubuntu@ip-172-31-2-184:~$ ls
install.sh main.tf terraform.tfstate
ubuntu@ip-172-31-2-184:~$
ubuntu@ip-172-31-2-184:~$ terraform destroy

No changes. No objects need to be destroyed.

Either you have not created any objects yet or the existing objects were already deleted outside of Terraform.

Destroy complete! Resources: 0 destroyed.
ubuntu@ip-172-31-2-184:~$ ls
install.sh main.tf terraform.tfstate
ubuntu@ip-172-31-2-184:~$ main.tf
main.tf: command not found
ubuntu@ip-172-31-2-184:~$ sudo nano main.tf
ubuntu@ip-172-31-2-184:~$ terraform plan

Error: Unclosed configuration block

  on main.tf line 18, in resource "aws_eip_association" "eip_assoc":
   18: resource "aws_eip_association" "eip_assoc" {

There is no closing brace for this block before the end of the file. This may be caused by incorrect brace nesting elsewhere in this file.

ubuntu@ip-172-31-2-184:~$

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  on main.tf line 18, in resource "aws_eip_association" "eip_assoc":
   18: resource "aws_eip_association" "eip_assoc" {

There is no closing brace for this block before the end of the file. This may be caused by incorrect brace nesting elsewhere in this file.

ubuntu@ip-172-31-2-184:~$ terraform init

Initializing the backend...
Terraform encountered problems during initialisation, including problems
with the configuration, described below.

The Terraform configuration must be valid before initialization so that
Terraform can determine which modules and providers need to be installed.

Error: Unclosed configuration block

  on main.tf line 18, in resource "aws_eip_association" "eip_assoc":
   18: resource "aws_eip_association" "eip_assoc" {

There is no closing brace for this block before the end of the file. This may be caused by incorrect brace nesting elsewhere in this file.

ubuntu@ip-172-31-2-184:~$ sudo nano main.tf
ubuntu@ip-172-31-2-184:~$ terraform plan

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+ "Name" = "assignment-2"
}
+ tenancy = (known after apply)
+ user_data = (known after apply)
+ user_data_base64 = (known after apply)
+ user_data_replace_on_change = false
+ vpc_security_group_ids = (known after apply)
}

Plan: 3 to add, 0 to change, 0 to destroy.

Warning: Argument is deprecated
with aws_eip.eip,
on main.tf line 16, in resource "aws_eip" "eip":
16: vpc = true

use domain attribute instead
(and one more similar warning elsewhere)

Note: You didn't use the -out option to save this plan, so Terraform can't guarantee to take exactly these actions if you run "terraform apply" now.
ubuntu@ip-172-31-2-184:~$
```

i-056cc722c1a74a92b (harshad-terraform)

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+ tenancy = (known after apply)
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Plan: 3 to add, 0 to change, 0 to destroy.

Warning: Argument is deprecated
with aws_eip.eip,
on main.tf line 16, in resource "aws_eip" "eip":
16: vpc = true

use domain attribute instead
(and one more similar warning elsewhere)

Note: You didn't use the -out option to save this plan, so Terraform can't guarantee to take exactly these actions if you run "terraform apply" now.
ubuntu@ip-172-31-2-184:~$ terraform apply
```

i-056cc722c1a74a92b (harshad-terraform)

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us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-2&connType=standard&instanceId=i-056cc722c1a74a92b&osUser=ubuntu8sshPort=22#/?ref=crd
AWS Services Search [Alt+S] CloudWatch RDS EC2 S3 Amazon Redshift IAM
}
+ tenancy = (known after apply)
+ user_data = (known after apply)
+ user_data_base64 = (known after apply)
+ user_data_replace_on_change = false
+ vpc_security_group_ids = (known after apply)
}
Plan: 3 to add, 0 to change, 0 to destroy.

Warning: Argument is deprecated
with aws_eip.eip,
on main.tf line 16, in resource "aws_eip" "eip":
16: vpc = true
use domain attribute instead
(and one more similar warning elsewhere)

Note: You didn't use the -out option to save this plan, so Terraform can't guarantee to take exactly these actions if you run "terraform apply" now.
ubuntu@ip-172-31-2-184:~$ terraform apply

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```

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Q8mAGjJR2mTAAAB-Swtt3Yg4ethb1EFpKgn76C4ep1U5tf3-rhNL2ylG51S8-yKyAO22d4PYIFhuLqzoAkealySE5Uqm5EkXO4o1rg2EOnJtQtPN36tXscMMBrV1EeLpqlUds5DceH2Mv HbdcfnfTmxGcn2v-wTXHVKnPVYxwFX3
DdVLzmtq3O5ZfocczKq-1u8J4zngtcu8TXFK4YXs0pzzLf1i M7ZaVByCEV-3lUn WvgNBeyGT0a5AWGIRjmr9WsnL26aBakentIamfjVmo9mqQtgksB5DdxCd nMBEKouIExodZvgaNIFZwx4pzBQKQ8g32I223wIKTZYUdu
KeRL_DamzllN3N2Kp7rW83glvsvavy81vj-99tnk121k86xL8oyhDYNthcFZsdh2WioM8ertirgQafrU9FGrnBfddEyn-50z9OKBS2OX4wFtwSxi8nWlt90H2v0WKFf13dtJanzIEZuFnc2dWQVZUu-quxmW9PeupqQMHti
cZ2Cw4eRE
status code: 403, request id: 3333da40-6209-464e-adea-a28aa23455aa

with aws_instance.assignment-2,
on main.tf line 7, in resource "aws_instance" "assignment-2":
7: resource "aws_instance" "assignment-2" {

Error: creating EC2 EIP: UnauthorizedOperation: You are not authorized to perform this operation. User: arn:aws:iam::056673816282:user/harshad-09 is not authorized to per
form: ec2:AllocateAddress on resource: arn:aws:ec2:us-east-2:056673816282:elastic-ip/* because no identity-based policy allows the ec2:AllocateAddress action. Encoded autho
rization failure message: _1GyUdaBwNY4FPJLcELF_8-hgn7Yz0-YaBIRtMSJVKCh7QCTz1fAjh10Y9G7J6mB5FBAGu9EM54431517UUV1X5vN1hF34ZNNITp1EUTJacy1zhOXSS634JNU28b9q9NDZzURAU1s16bDQkf
BXv6t79qtpbhu71et111Au0Np0ku4f4VukTECK1w9G3cdC04mod1eCWd31qpsdvzWVARTGcJvK4wllrVAsCOpombPNI-jbfaSzdOuGmmuszr1rorVip6_1tE3lB1vcdNVb9SMeIdR717ugYbdtgpk8KtFryL2QahzBoY1w
Xjse9e1jet3Y04357wabPyvui1mat22hur0auM6Tp3g0blzLcUdaOatTdeJRCu8d6qrxuq1z7F4yJgQ16PgZ0W3knlBoc1qJUlY8ZNA_c01r_CzIFoxVdEL0xap2vLsChu3gMsG3LhaA2NRAsy2509hlVMS6r7jH0xt
NSYo0e5-1jQEXLAsw1VK3m_sycs
status code: 403, request id: 32020316-f3e4-47d0-9c5b-0d08818e59fb

with aws_eip.eip,
on main.tf line 15, in resource "aws_eip" "eip":
15: resource "aws_eip" "eip" {

ubuntu@ip-172-31-2-184:~$

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us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-2&connType=standard&instanceId=i-056cc722c1a74a92b&osUser=ubuntu&sshPort=22#

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```
Error: creating EC2 Instance: UnauthorizedOperation: You are not authorized to perform this operation. User: arn:aws:iam::056673816282:user/harshad-09 is not authorized to perform: ec2:RunInstances on resource: arn:aws:ec2:us-east-2:056673816282:instance/* because no identity-based policy allows the ec2:RunInstances action. Encoded authorization failure message: CRStS_9U2sMzLScd65LL2H7ukCMsXJxyN05rB4dBL0d9HjUnftK6nFsJClcEXHfUQ299RvJs20gTyamo350HTRV0QGx8c4TF9FPV_V7cKJy848qGISOX3iahN5jMytPuf1VKPnc238ogiJC0nGY_LeQ8mAGjJR2mTAAAB-Swtt3Yq4etb1EfcPgkn76Ca4epiU5tf3-rhWL2yLg51SS-yKyAC222sdPYIPhuLqzoAkealySE5UQm5EKX04o1rg2E0oJtQtPN36tXscWMBxViEelpqUds5DceHBMV_HbdcfNftMxGcN2v-wTXHVKnPVYxwFX3DdVLzMTq3O5ZfocccXg-iu8J4zngtcU8TXfK4YXs0pzxLfii_M7ZaVRYCEV-3lUn_WvgNBeyGtoA5AWGIRjmr9WsnL26aBxkenthIamfjVmo9mqGtgsB5DdxCd_nMBEKoulExcdZvgaN1FZWX4p2BQKQ8g321223wIKtZlYUduKerR_DamzllN3N2Kp7YwS3gLyvsavyS1vj-99tnki21Ks6xL8oyhDYNthcFZadh2W1oIM8ertirgQAffoU9fGrnBfdtEyn-5ox9OKBS2OX4wftwSxi8nWlt90H2v0Wxfp13dtjanziEZuFncZdwQvZUu-quxmW9PeupQ0MhtiCZ2Cwa4eRZ

status code: 403, request id: 3333da40-6209-464e-adea-a28aa23455aa

with aws_instance.assignment-2,
on main.tf line 7, in resource "aws_instance" "assignment-2":
7: resource "aws_instance" "assignment-2" {

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status code: 403, request id: 32020316-f3e4-47d0-9c5b-0d08818e59fb

with aws_eip.eip,
```

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