
# Module 8: Terraform
# Assignment - 1

## Tasks To Be Performed:

1. Create an EC2 service in the default subnet in the Ohio region

# Launch an instance Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

## Name and tags Info

Name

server-terraform

Add additional tags

## Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Search our full catalog including 1000s of application and OS images

Quick Start

Amazon Linux | macOS | Ubuntu | Windows | Red Hat | SUSE Li

Browse more AMIs

Including AMIs from AWS, Marketplace and

## Summary

Number of instances Info

1

Software Image (AMI)

Canonical, Ubuntu, 22.04 LTS, ...read more

ami-003932de22c285676

Virtual server type (instance type)

t2.micro

Firewall (security group)

default

Storage (volumes)

1 volume(s) - 8 GiB

**Free tier:** In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per

Cancel

Launch instance

Review commands

Amazon Machine Image (AMI)

Ubuntu Server 22.04 LTS (HVM), SSD Volume Type — Free tier eligible
ami-003932de22c285676 (64-bit (x86)) / ami-03772d93fb1879bbe (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs

Description

Ubuntu Server 22.04 LTS (HVM),EBS General Purpose (SSD) Volume Type. Support available from Canonical (http://www.ubuntu.com/cloud/services).

Architecture: 64-bit (x86)

AMI ID: ami-003932de22c285676 Verified provider

## Instance type Info | Get advice

Instance type

t2.micro — Free tier eligible
Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Linux base pricing: 0.0116 USD per Hour
On-Demand SUSE base pricing: 0.0116 USD per Hour
On-Demand Windows base pricing: 0.0162 USD per Hour
On-Demand RHEL base pricing: 0.026 USD per Hour

All generations

Compare instance types

Additional costs apply for AMIs with pre-installed software

## Key pair (login) Info

## Summary

Number of instances Info: 1

Software Image (AMI)
Canonical, Ubuntu, 22.04 LTS, ...read more
ami-003932de22c285676

Virtual server type (instance type)
t2.micro

Firewall (security group)
default

Storage (volumes)
1 volume(s) - 8 GiB

**Free tier:** In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per

Cancel Launch instance

Review commands

## Key pair (login) Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - *required*

sujithohio

Create new key pair

## Network settings Info

Edit

Network Info

vpc-00d493281d2df1d50

Subnet Info

No preference (Default subnet in any availability zone)

Auto-assign public IP Info

Enable

Additional charges apply when outside of free tier allowance

Firewall (security groups) Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group

Select existing security group

Common security groups Info

Select security groups

## Summary

Number of instances Info

1

Software Image (AMI)

Canonical, Ubuntu, 22.04 LTS, ...read more

ami-003932de22c285676

Virtual server type (instance type)

t2.micro

Firewall (security group)

default

Storage (volumes)

1 volume(s) - 8 GiB

**Free tier:** In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per

Cancel

Launch instance

Review commands

Select security groups

default sg-0ea7728771f921751
VPC: vpc-00d493281d2df1d50

Security groups that you add or remove here will be added to or removed from all your network interfaces.

Compare security group rules

## Configure storage Info

Advanced

1x 8 GiB gp2 Root volume (Not encrypted)

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

Add new volume

The selected AMI contains more instance store volumes than the instance allows. Only the first 0 instance store volumes from the AMI will be accessible from the instance

Click refresh to view backup information
The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

0 x File systems Edit

## Advanced details Info

## Summary

Number of instances Info
1

Software Image (AMI)
Canonical, Ubuntu, 22.04 LTS, ...read more
ami-003932de22c285676

Virtual server type (instance type)
t2.micro

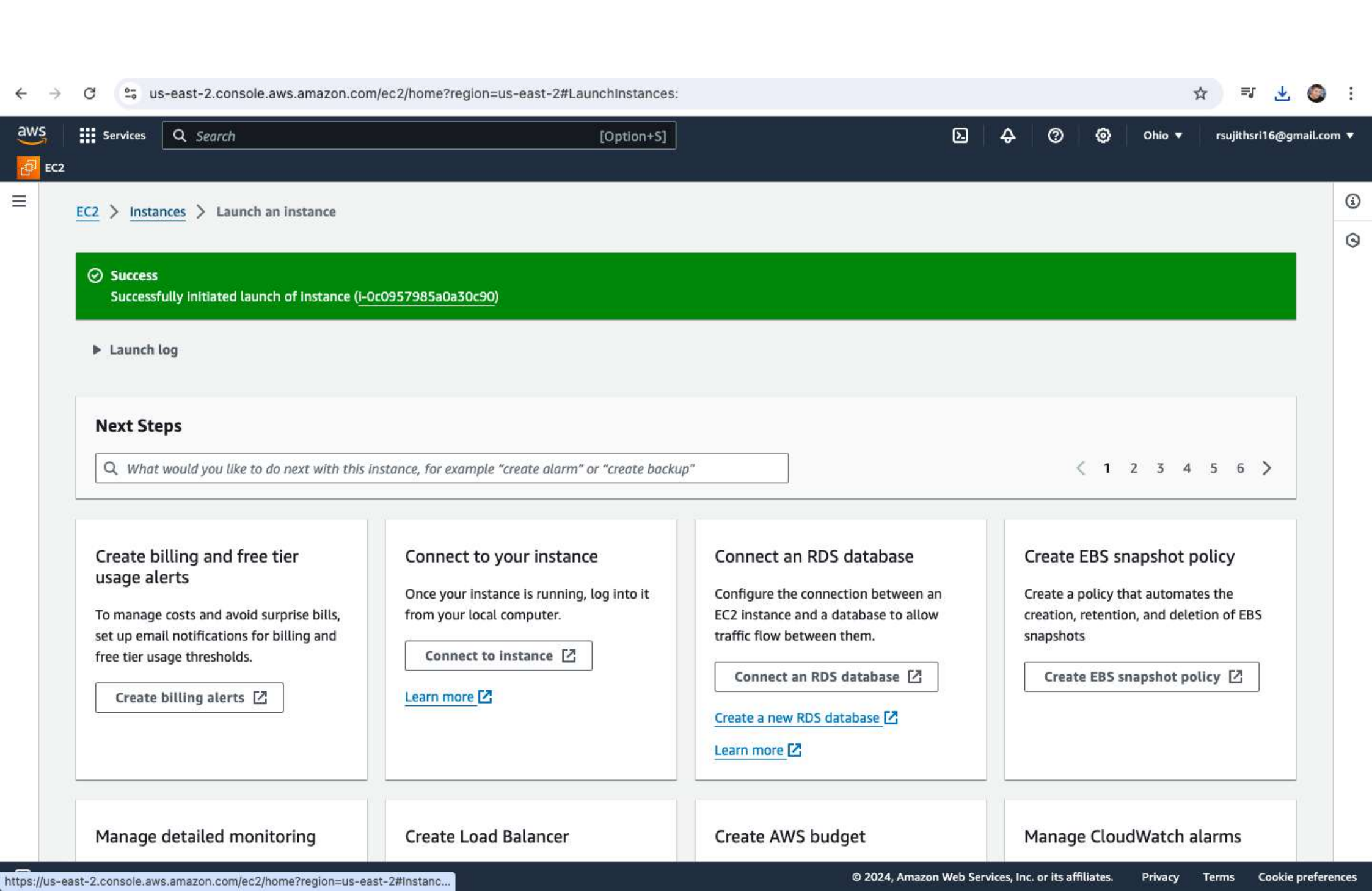
Firewall (security group)
default

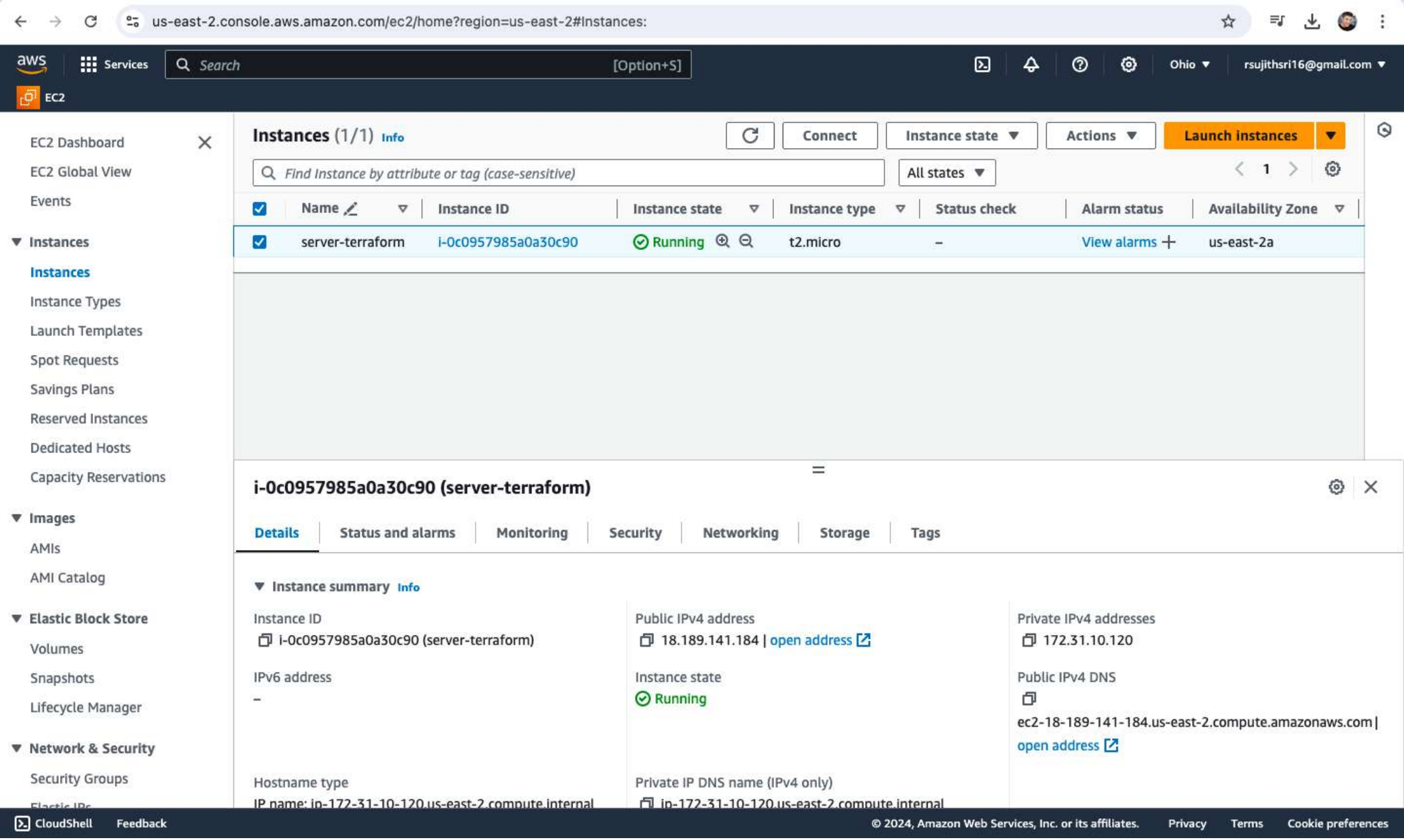
Storage (volumes)
1 volume(s) - 8 GiB

**Free tier:** In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per

Cancel Launch instance

Review commands


us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#LaunchInstances:
aws
Services
Search
[Option+S]
Ohio
rsujithsri16@gmail.com
EC2
EC2 > Instances > Launch an instance
Success
Successfully initiated launch of instance (i-0c0957985a0a30c90)
Launch log
Next Steps
What would you like to do next with this instance, for example "create alarm" or "create backup"
1 2 3 4 5 6
Create billing and free tier usage alerts
To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.
Create billing alerts
Connect to your instance
Once your instance is running, log into it from your local computer.
Connect to instance
Learn more
Connect an RDS database
Configure the connection between an EC2 instance and a database to allow traffic flow between them.
Connect an RDS database
Create a new RDS database
Learn more
Create EBS snapshot policy
Create a policy that automates the creation, retention, and deletion of EBS snapshots
Create EBS snapshot policy
Manage detailed monitoring
Create Load Balancer
Create AWS budget
Manage CloudWatch alarms
https://us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#Instanc...
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences


us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#Instances:
aws
Services
Search
[Option+S]
Ohio
rsujithsri16@gmail.com
EC2
EC2 Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Snapshots
Lifecycle Manager
Network & Security
Security Groups
Instances (1/1) Info
Connect
Instance state
Actions
Launch instances
Find Instance by attribute or tag (case-sensitive)
All states
1
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
server-terraform
i-0c0957985a0a30c90
Running
t2.micro
–
View alarms
us-east-2a
i-0c0957985a0a30c90 (server-terraform)
Details
Status and alarms
Monitoring
Security
Networking
Storage
Tags
Instance summary Info
Instance ID
i-0c0957985a0a30c90 (server-terraform)
IPv6 address
–
Hostname type
IP name: ip-172-31-10-120.us-east-2.compute.internal
Public IPv4 address
18.189.141.184 | open address
Instance state
Running
Private IP DNS name (IPv4 only)
ip-172-31-10-120.us-east-2.compute.internal
Private IPv4 addresses
172.31.10.120
Public IPv4 DNS
ec2-18-189-141-184.us-east-2.compute.amazonaws.com |
open address
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences

Connect to your instance i-0c0957985a0a30c90 (server-terraform) using any of these options

EC2 Instance Connect | Session Manager | SSH client | EC2 serial console

**EC2 Instance Connect service IP addresses are not authorized**
Port 22 (SSH) is authorized in your security group. However, to use EC2 Instance Connect, it is recommended to also authorize port 22 for the EC2 Instance Connect service IP addresses in your Region: 3.16.146.0/29. Learn more.

Instance ID
i-0c0957985a0a30c90 (server-terraform)

Connection Type

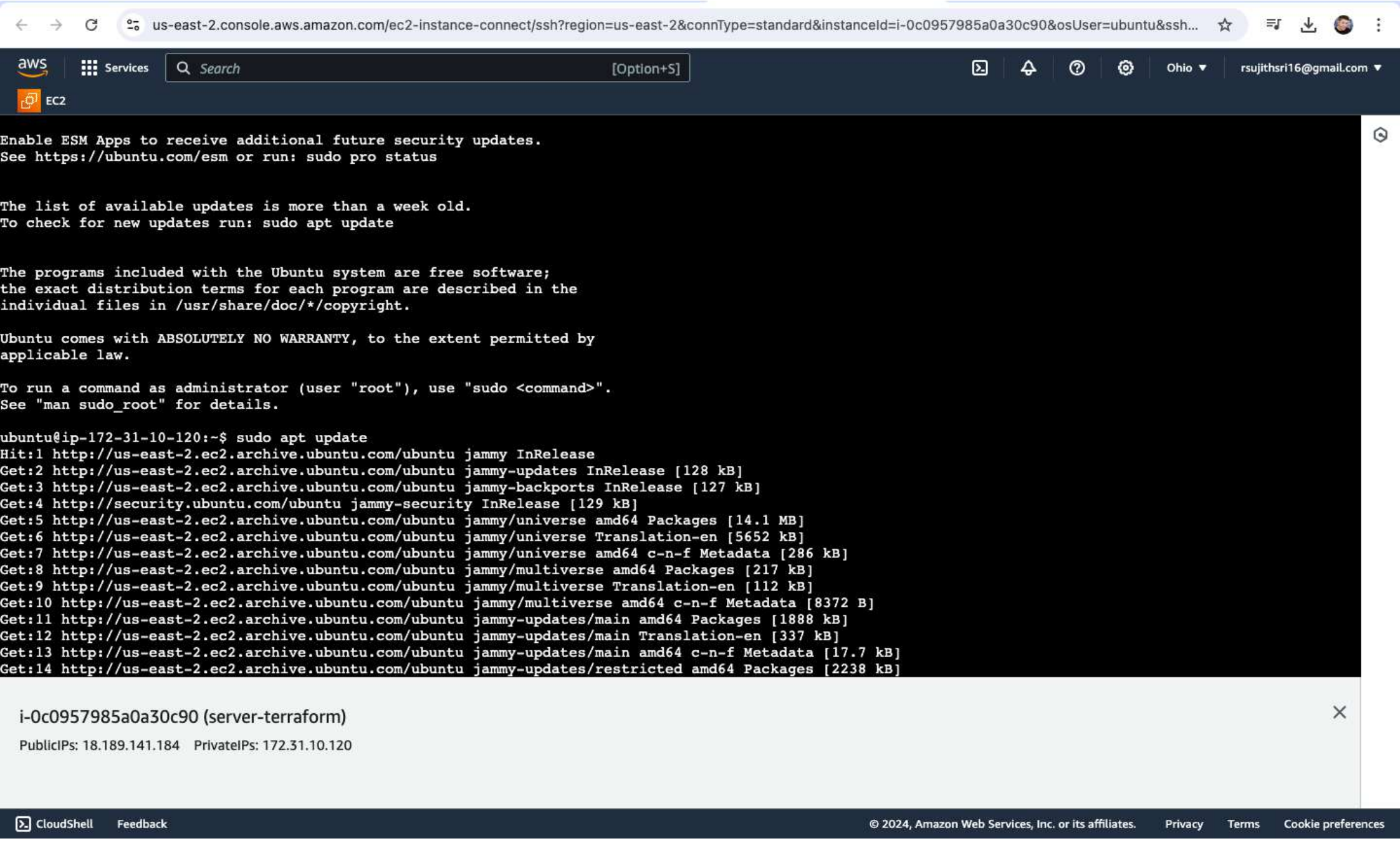
- (●) Connect using EC2 Instance Connect
  Connect using the EC2 Instance Connect browser-based client, with a public IPv4 address.
- ( ) Connect using EC2 Instance Connect Endpoint
  Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.

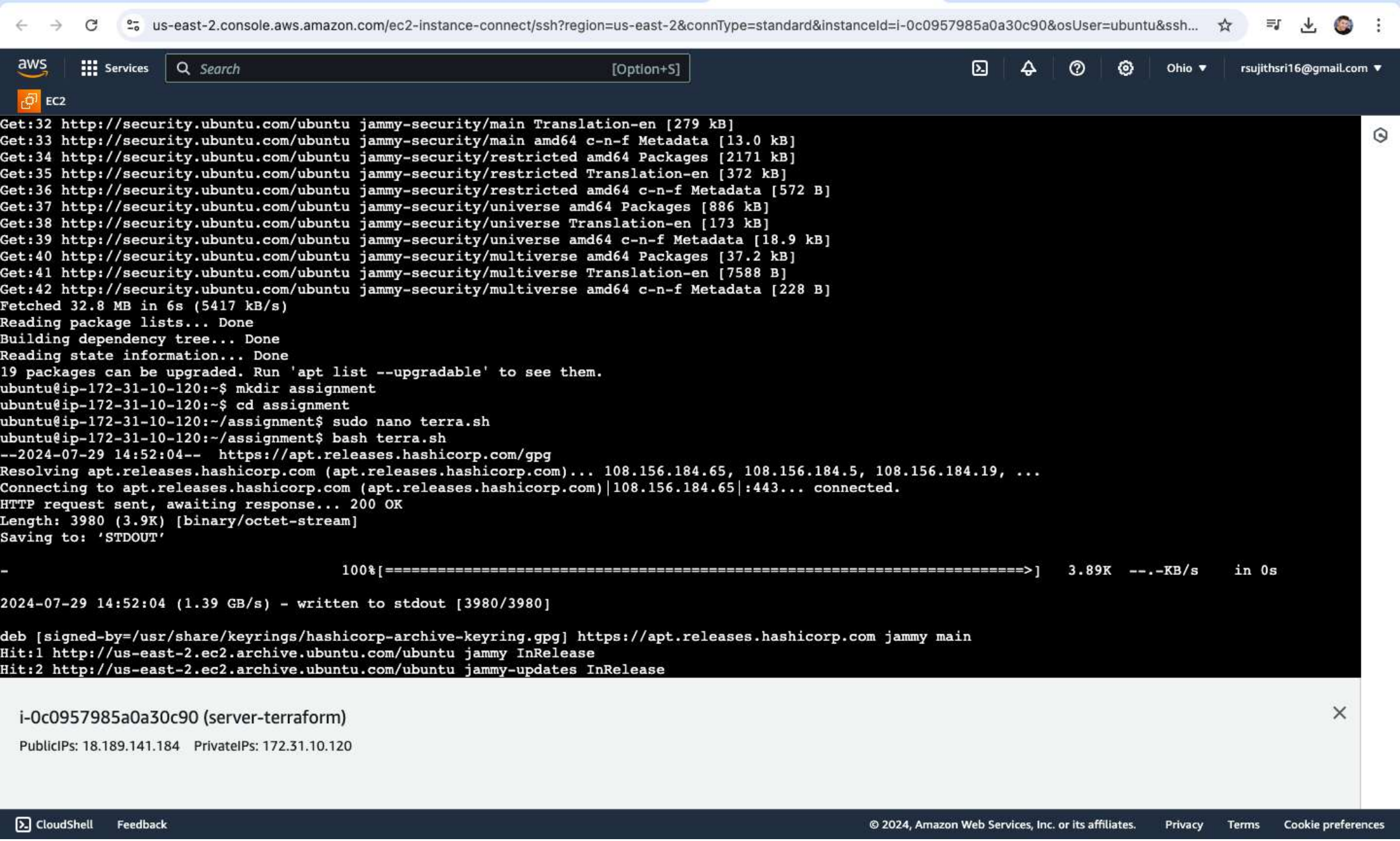
Public IP address
18.189.141.184

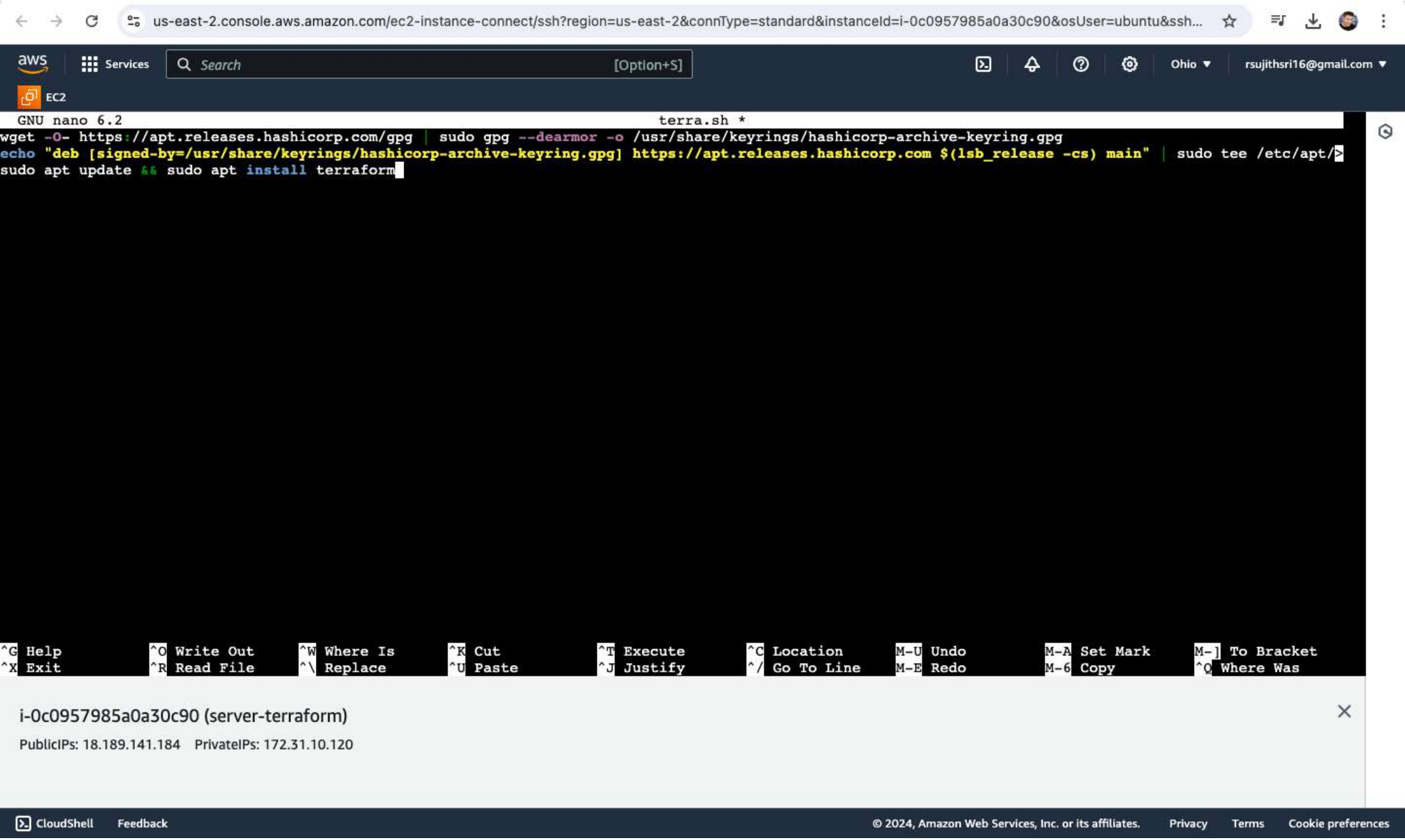
Username
Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, ubuntu.

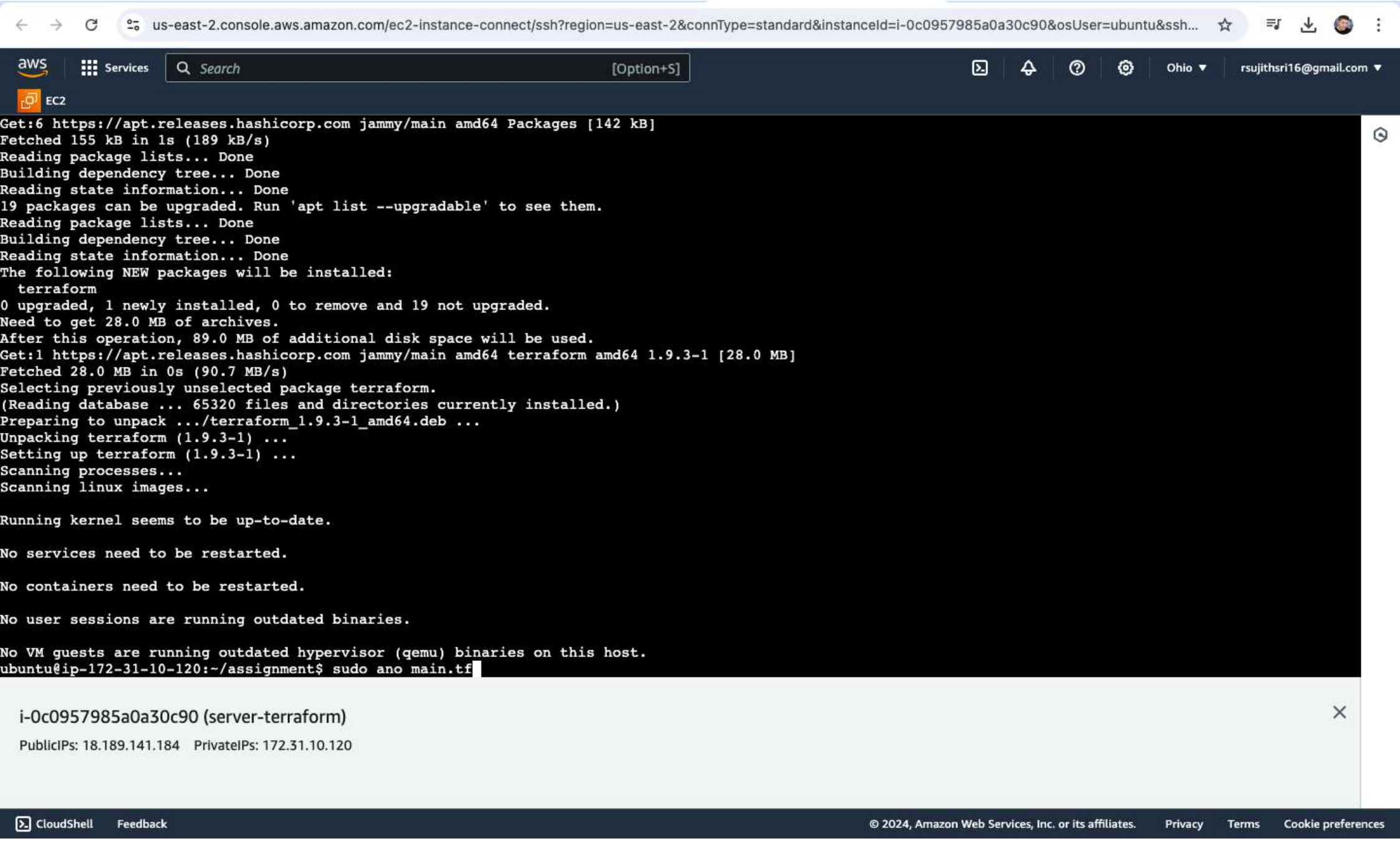
ubuntu

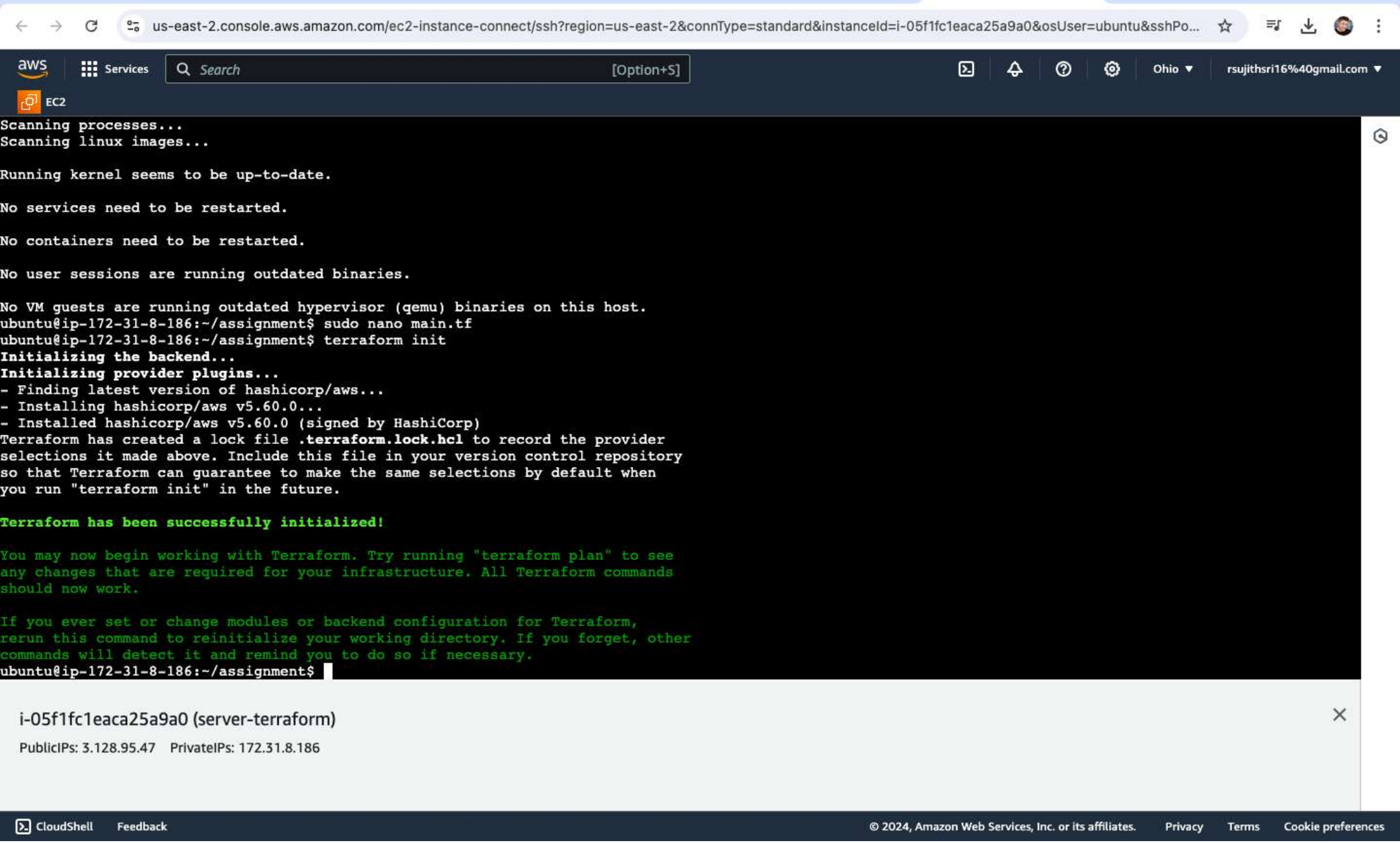
**Note:** In most cases, the default username, ubuntu, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

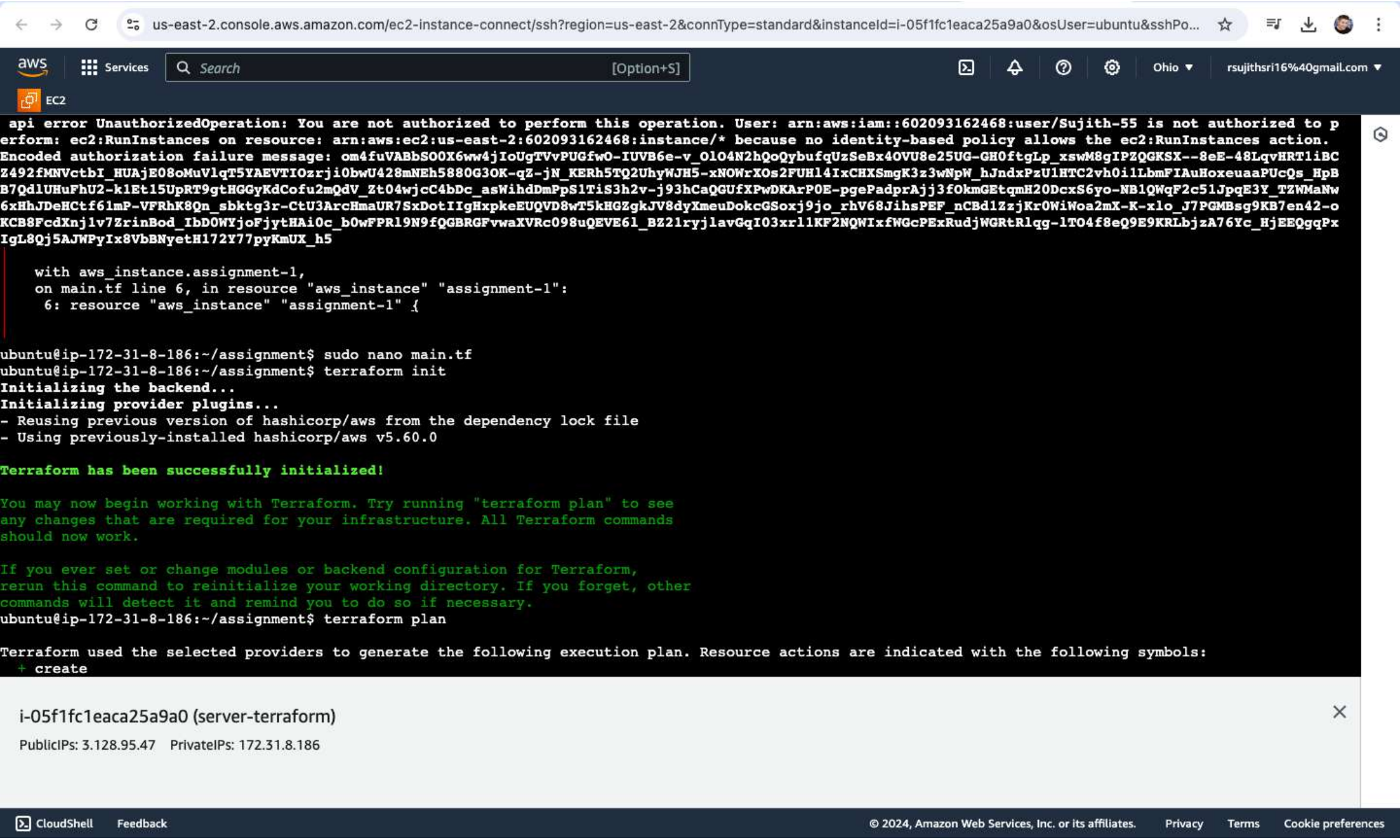

us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-2&connType=standard&instanceId=i-0c0957985a0a30c90&osUser=ubuntu&ssh...
aws
Services
Search
[Option+S]
Ohio
rsujithsri16@gmail.com
EC2
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status
The list of available updates is more than a week old.
To check for new updates run: sudo apt update
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
ubuntu@ip-172-31-10-120:~$ sudo apt update
Hit:1 http://us-east-2.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://us-east-2.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease [128 kB]
Get:3 http://us-east-2.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease [127 kB]
Get:4 http://security.ubuntu.com/ubuntu jammy-security InRelease [129 kB]
Get:5 http://us-east-2.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [14.1 MB]
Get:6 http://us-east-2.ec2.archive.ubuntu.com/ubuntu jammy/universe Translation-en [5652 kB]
Get:7 http://us-east-2.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 c-n-f Metadata [286 kB]
Get:8 http://us-east-2.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 Packages [217 kB]
Get:9 http://us-east-2.ec2.archive.ubuntu.com/ubuntu jammy/multiverse Translation-en [112 kB]
Get:10 http://us-east-2.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 c-n-f Metadata [8372 B]
Get:11 http://us-east-2.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [1888 kB]
Get:12 http://us-east-2.ec2.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [337 kB]
Get:13 http://us-east-2.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 c-n-f Metadata [17.7 kB]
Get:14 http://us-east-2.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [2238 kB]
i-0c0957985a0a30c90 (server-terraform)
PublicIPs: 18.189.141.184 PrivateIPs: 172.31.10.120
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences

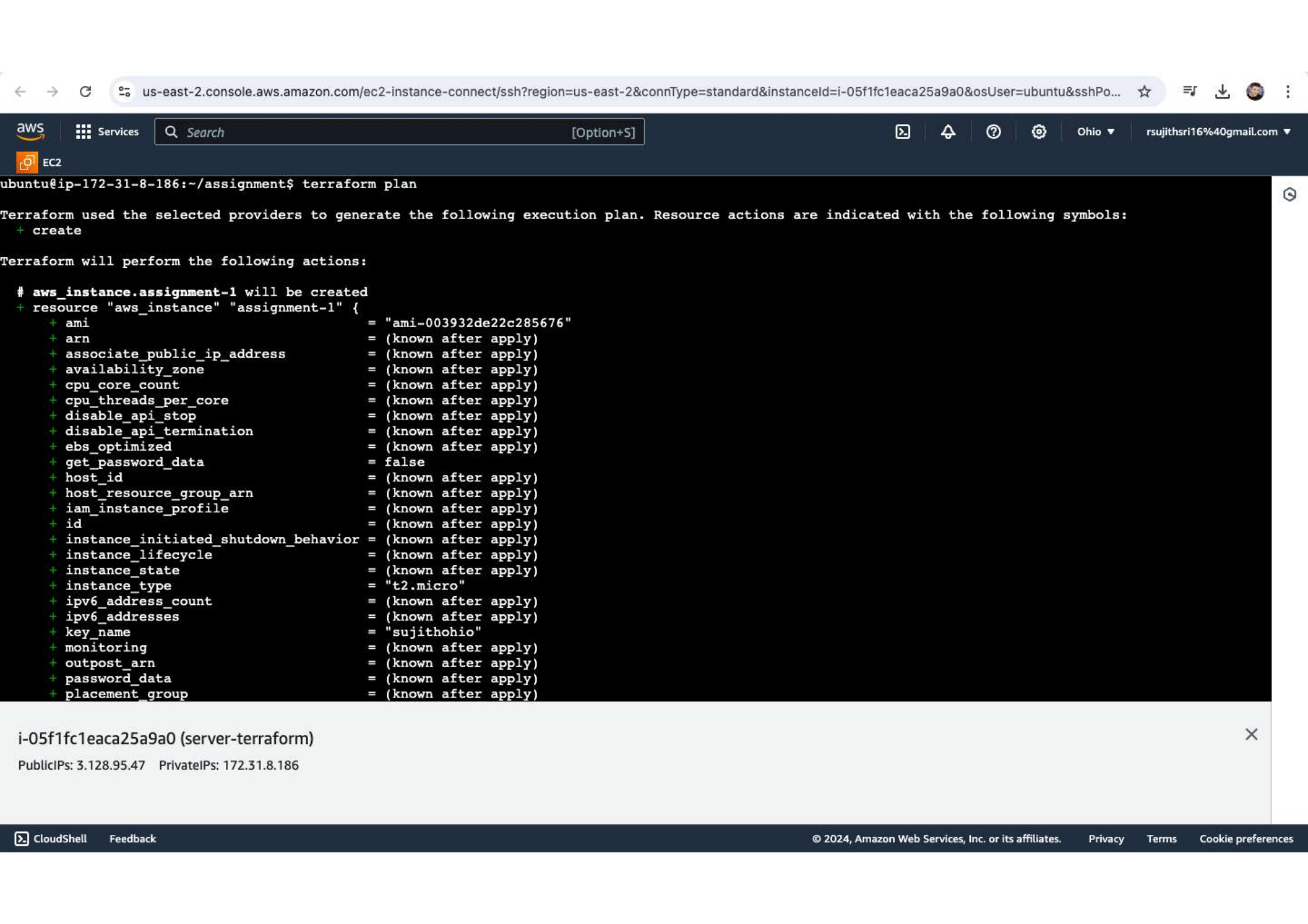

us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-2&connType=standard&instanceId=i-0c0957985a0a30c90&osUser=ubuntu&ssh...
aws
Services
Search
[Option+S]
Ohio
rsujithsri16@gmail.com
EC2
Get:32 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [279 kB]
Get:33 http://security.ubuntu.com/ubuntu jammy-security/main amd64 c-n-f Metadata [13.0 kB]
Get:34 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [2171 kB]
Get:35 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [372 kB]
Get:36 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 c-n-f Metadata [572 B]
Get:37 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [886 kB]
Get:38 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [173 kB]
Get:39 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [18.9 kB]
Get:40 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [37.2 kB]
Get:41 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [7588 B]
Get:42 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 c-n-f Metadata [228 B]
Fetched 32.8 MB in 6s (5417 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
19 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-31-10-120:~$ mkdir assignment
ubuntu@ip-172-31-10-120:~$ cd assignment
ubuntu@ip-172-31-10-120:~/assignment$ sudo nano terra.sh
ubuntu@ip-172-31-10-120:~/assignment$ bash terra.sh
--2024-07-29 14:52:04--  https://apt.releases.hashicorp.com/gpg
Resolving apt.releases.hashicorp.com (apt.releases.hashicorp.com)... 108.156.184.65, 108.156.184.5, 108.156.184.19, ...
Connecting to apt.releases.hashicorp.com (apt.releases.hashicorp.com)|108.156.184.65|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 3980 (3.9K) [binary/octet-stream]
Saving to: 'STDOUT'
-                                   100%[=========================================================================>]   3.89K  --.-KB/s    in 0s
2024-07-29 14:52:04 (1.39 GB/s) - written to stdout [3980/3980]
deb [signed-by=/usr/share/keyrings/hashicorp-archive-keyring.gpg] https://apt.releases.hashicorp.com jammy main
Hit:1 http://us-east-2.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://us-east-2.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease
i-0c0957985a0a30c90 (server-terraform)
PublicIPs: 18.189.141.184 PrivateIPs: 172.31.10.120
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences

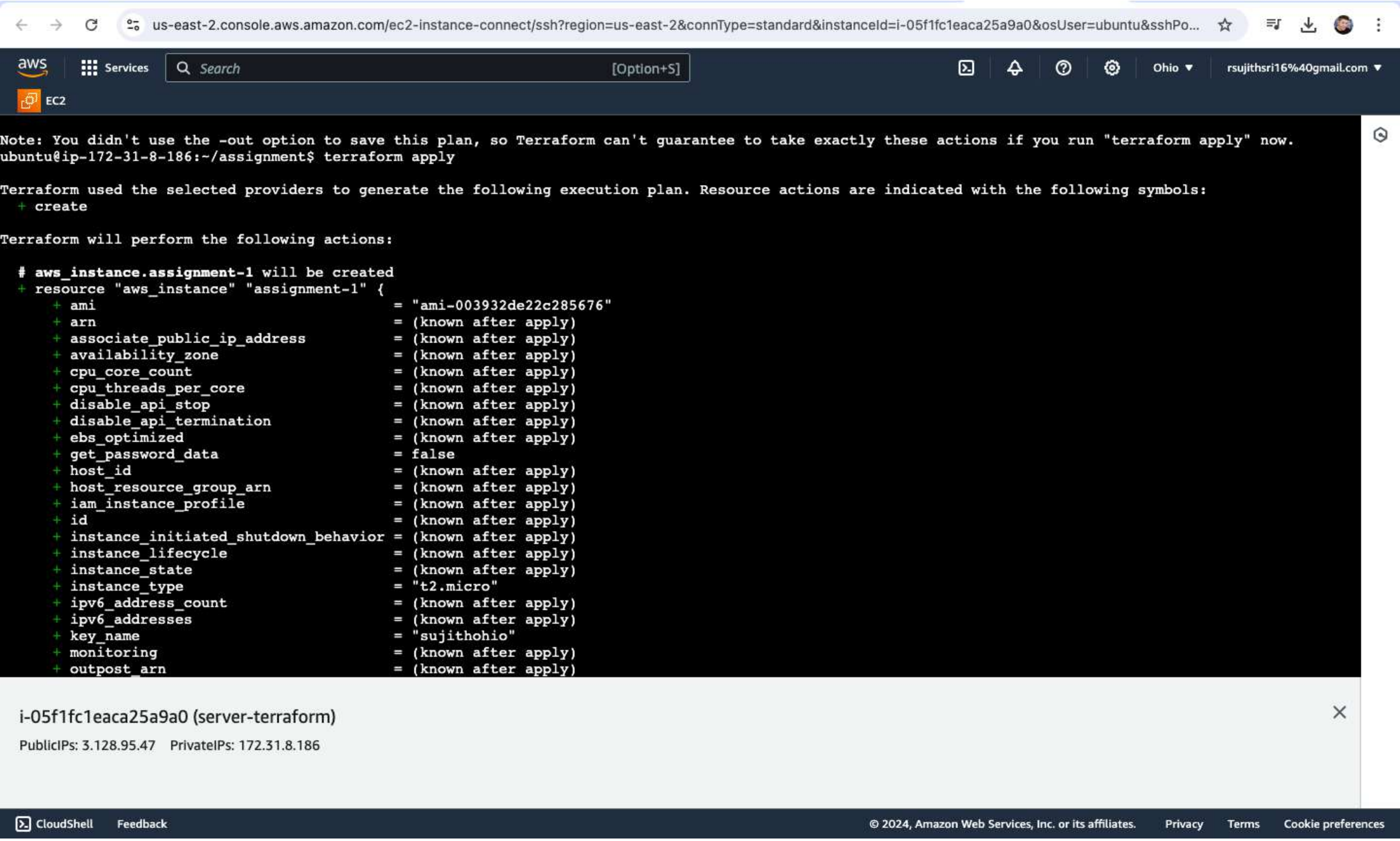

us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-2&connType=standard&instanceId=i-0c0957985a0a30c90&osUser=ubuntu&ssh...
aws
Services
Search
[Option+S]
Ohio
rsujithsri16@gmail.com
EC2
GNU nano 6.2
terra.sh *
wget -O- https://apt.releases.hashicorp.com/gpg | sudo gpg --dearmor -o /usr/share/keyrings/hashicorp-archive-keyring.gpg
echo "deb [signed-by=/usr/share/keyrings/hashicorp-archive-keyring.gpg] https://apt.releases.hashicorp.com $(lsb_release -cs) main" | sudo tee /etc/apt/
sudo apt update && sudo apt install terraform
^G Help
^O Write Out
^W Where Is
^K Cut
^T Execute
^C Location
M-U Undo
M-A Set Mark
M-] To Bracket
^X Exit
^R Read File
^\ Replace
^U Paste
^J Justify
^/ Go To Line
M-E Redo
M-6 Copy
^Q Where Was
i-0c0957985a0a30c90 (server-terraform)
PublicIPs: 18.189.141.184 PrivateIPs: 172.31.10.120
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences

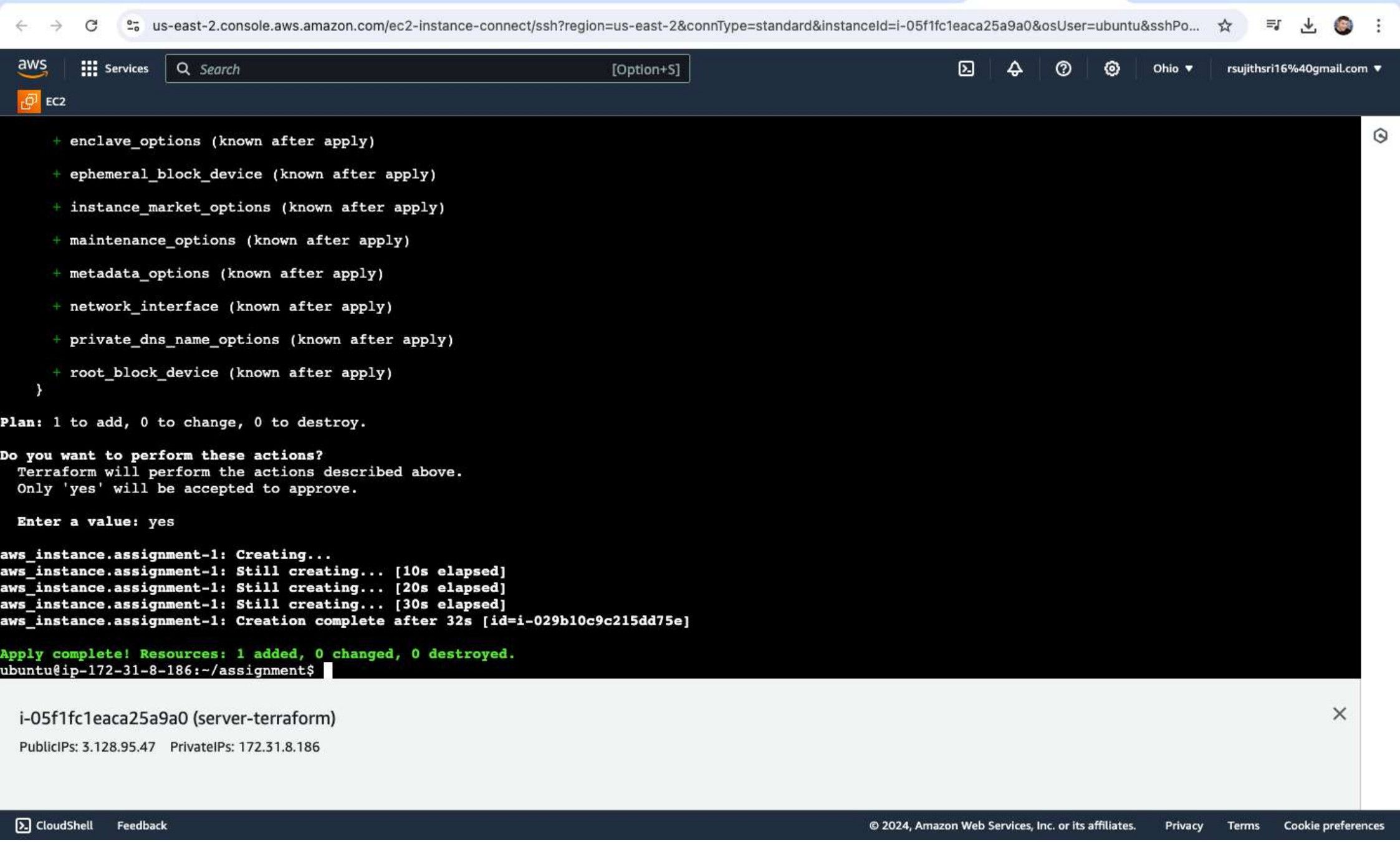

us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-2&connType=standard&instanceId=i-0c0957985a0a30c90&osUser=ubuntu&ssh...
aws
Services
Search
[Option+S]
Ohio
rsujithsri16@gmail.com
EC2
Get:6 https://apt.releases.hashicorp.com jammy/main amd64 Packages [142 kB]
Fetched 155 kB in 1s (189 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
19 packages can be upgraded. Run 'apt list --upgradable' to see them.
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
terraform
0 upgraded, 1 newly installed, 0 to remove and 19 not upgraded.
Need to get 28.0 MB of archives.
After this operation, 89.0 MB of additional disk space will be used.
Get:1 https://apt.releases.hashicorp.com jammy/main amd64 terraform amd64 1.9.3-1 [28.0 MB]
Fetched 28.0 MB in 0s (90.7 MB/s)
Selecting previously unselected package terraform.
(Reading database ... 65320 files and directories currently installed.)
Preparing to unpack .../terraform_1.9.3-1_amd64.deb ...
Unpacking terraform (1.9.3-1) ...
Setting up terraform (1.9.3-1) ...
Scanning processes...
Scanning linux images...
Running kernel seems to be up-to-date.
No services need to be restarted.
No containers need to be restarted.
No user sessions are running outdated binaries.
No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-10-120:~/assignment$ sudo ano main.tf
i-0c0957985a0a30c90 (server-terraform)
PublicIPs: 18.189.141.184 PrivateIPs: 172.31.10.120
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences

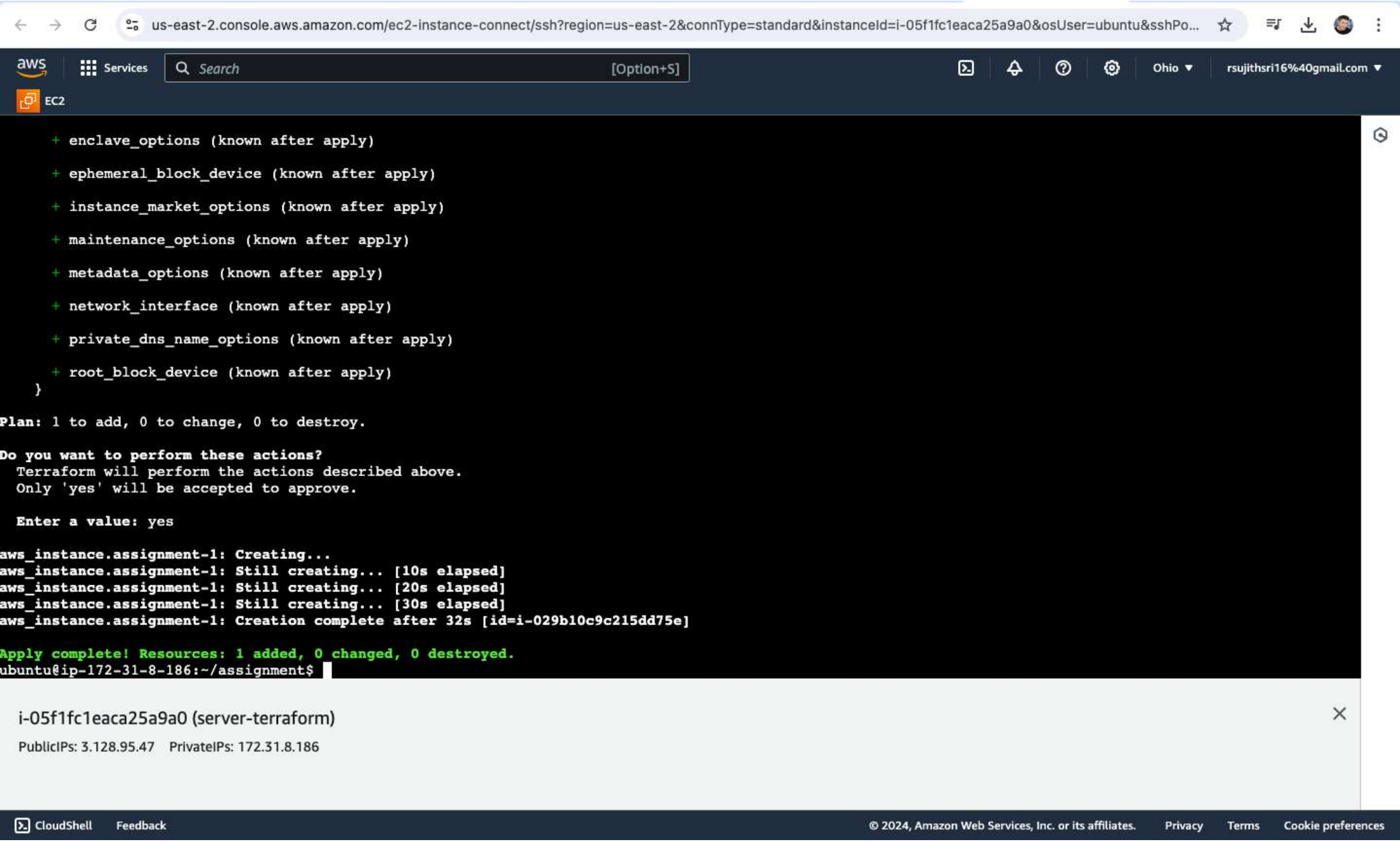

us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-2&connType=standard&instanceId=i-05f1fc1eaca25a9a0&osUser=ubuntu&sshPo...
aws
Services
Search
[Option+S]
Ohio
rsujithsri16%40gmail.com
EC2
Scanning processes...
Scanning linux images...
Running kernel seems to be up-to-date.
No services need to be restarted.
No containers need to be restarted.
No user sessions are running outdated binaries.
No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-8-186:~/assignment$ sudo nano main.tf
ubuntu@ip-172-31-8-186:~/assignment$ terraform init
Initializing the backend...
Initializing provider plugins...
- Finding latest version of hashicorp/aws...
- Installing hashicorp/aws v5.60.0...
- Installed hashicorp/aws v5.60.0 (signed by HashiCorp)
Terraform has created a lock file .terraform.lock.hcl to record the provider
selections it made above. Include this file in your version control repository
so that Terraform can guarantee to make the same selections by default when
you run "terraform init" in the future.
Terraform has been successfully initialized!
You may now begin working with Terraform. Try running "terraform plan" to see
any changes that are required for your infrastructure. All Terraform commands
should now work.
If you ever set or change modules or backend configuration for Terraform,
rerun this command to reinitialize your working directory. If you forget, other
commands will detect it and remind you to do so if necessary.
ubuntu@ip-172-31-8-186:~/assignment$
i-05f1fc1eaca25a9a0 (server-terraform)
PublicIPs: 3.128.95.47 PrivateIPs: 172.31.8.186
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences

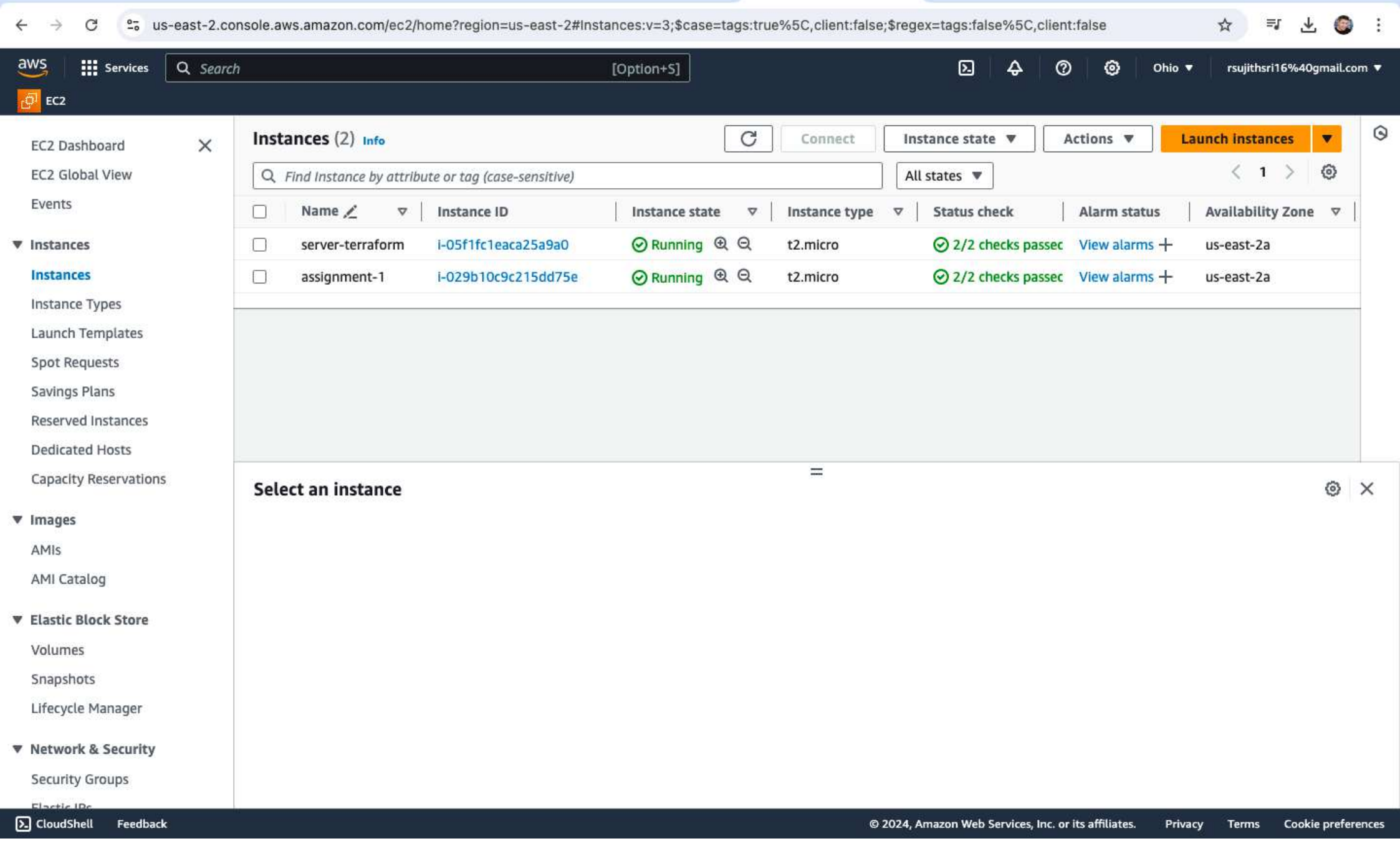

us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-2&connType=standard&instanceId=i-05f1fc1eaca25a9a0&osUser=ubuntu&sshPo...
aws
Services
Search
[Option+S]
Ohio
rsujithsri16%40gmail.com
EC2
api error UnauthorizedOperation: You are not authorized to perform this operation. User: arn:aws:iam::602093162468:user/Sujith-55 is not authorized to p
erform: ec2:RunInstances on resource: arn:aws:ec2:us-east-2:602093162468:instance/* because no identity-based policy allows the ec2:RunInstances action.
Encoded authorization failure message: om4fuVABbSO0X6ww4jIoUgTVvPUGfwO-IUVB6e-v_OlO4N2hQoQybufqUzSeBx4OVU8e25UG-GHOftgLp_xswM8gIPZQGKSX--8eE-48LqvHRT1iBC
Z492fMNVctbI_HUAjE08oMuVlqT5YAEVTIOzrji0bwU428mNEh5880G3OK-qZ-jN_KERh5TQ2UhyWJH5-xNOWrXOs2FUHl4IxCHXSmgK3z3wNpW_hJndxPzUlHTC2vh0i1LbmFIAuHoxeuaaPUcQs_HpB
B7QdlUHuFhU2-k1Et15UpRT9gtHGGyKdCofu2mQdV_Zt04wjcC4bDc_asWihdDmPpS1TiS3h2v-j93hCaQGUfXPwDKArPOE-pgePadprAjj3fOkmGEtqmH20DcxS6yo-NB1QWqF2c51JpqE3Y_TZWMaNw
6xHhJDeHCtf61mP-VFRhK8Qn_sbktg3r-CtU3ArcHmaUR7SxDotIIgHxpkeEUQVD8wT5kHGZgkJV8dyXmeuDokcGSoxj9jo_rhV68JihsPEF_nCBd1ZzjKr0WiWoa2mX-K-xlo_J7PGMBsg9KB7en42-o
KCB8FcdXnj1v7ZrinBod_IbD0WYjoFjytHAi0c_b0wFPR19N9fQGBRGFvwaXVRc098uQEVE61_BZ21ryjlavGqI03xr11KF2NQWIxfWGcPExRudjWGRtRlqg-lTO4f8eQ9E9KRLbjzA76Yc_HjEEQgqPx
IgL8Qj5AJWPyIx8VbBNyetH172Y77pyKmUX_h5
with aws_instance.assignment-1,
on main.tf line 6, in resource "aws_instance" "assignment-1":
6: resource "aws_instance" "assignment-1" {
ubuntu@ip-172-31-8-186:~/assignment$ sudo nano main.tf
ubuntu@ip-172-31-8-186:~/assignment$ terraform init
Initializing the backend...
Initializing provider plugins...
- Reusing previous version of hashicorp/aws from the dependency lock file
- Using previously-installed hashicorp/aws v5.60.0
Terraform has been successfully initialized!
You may now begin working with Terraform. Try running "terraform plan" to see
any changes that are required for your infrastructure. All Terraform commands
should now work.
If you ever set or change modules or backend configuration for Terraform,
rerun this command to reinitialize your working directory. If you forget, other
commands will detect it and remind you to do so if necessary.
ubuntu@ip-172-31-8-186:~/assignment$ terraform plan
Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:
+ create
i-05f1fc1eaca25a9a0 (server-terraform)
PublicIPs: 3.128.95.47 PrivateIPs: 172.31.8.186
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences


us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-2&connType=standard&instanceId=i-05f1fc1eaca25a9a0&osUser=ubuntu&sshPo...
aws
Services
Search
[Option+S]
Ohio
rsujithsri16%40gmail.com
EC2
ubuntu@ip-172-31-8-186:~/assignment$ terraform plan
Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:
+ create
Terraform will perform the following actions:
# aws_instance.assignment-1 will be created
+ resource "aws_instance" "assignment-1" {
+ ami = "ami-003932de22c285676"
+ arn = (known after apply)
+ associate_public_ip_address = (known after apply)
+ availability_zone = (known after apply)
+ cpu_core_count = (known after apply)
+ cpu_threads_per_core = (known after apply)
+ disable_api_stop = (known after apply)
+ disable_api_termination = (known after apply)
+ ebs_optimized = (known after apply)
+ get_password_data = false
+ host_id = (known after apply)
+ host_resource_group_arn = (known after apply)
+ iam_instance_profile = (known after apply)
+ id = (known after apply)
+ instance_initiated_shutdown_behavior = (known after apply)
+ instance_lifecycle = (known after apply)
+ instance_state = (known after apply)
+ instance_type = "t2.micro"
+ ipv6_address_count = (known after apply)
+ ipv6_addresses = (known after apply)
+ key_name = "sujithohio"
+ monitoring = (known after apply)
+ outpost_arn = (known after apply)
+ password_data = (known after apply)
+ placement_group = (known after apply)
i-05f1fc1eaca25a9a0 (server-terraform)
PublicIPs: 3.128.95.47 PrivateIPs: 172.31.8.186
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences


us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-2&connType=standard&instanceId=i-05f1fc1eaca25a9a0&osUser=ubuntu&sshPo...
aws
Services
Search
[Option+S]
Ohio
rsujithsri16%40gmail.com
EC2
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-172-31-8-186:~/assignment$ terraform apply
Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:
+ create
Terraform will perform the following actions:
# aws_instance.assignment-1 will be created
+ resource "aws_instance" "assignment-1" {
+ ami = "ami-003932de22c285676"
+ arn = (known after apply)
+ associate_public_ip_address = (known after apply)
+ availability_zone = (known after apply)
+ cpu_core_count = (known after apply)
+ cpu_threads_per_core = (known after apply)
+ disable_api_stop = (known after apply)
+ disable_api_termination = (known after apply)
+ ebs_optimized = (known after apply)
+ get_password_data = false
+ host_id = (known after apply)
+ host_resource_group_arn = (known after apply)
+ iam_instance_profile = (known after apply)
+ id = (known after apply)
+ instance_initiated_shutdown_behavior = (known after apply)
+ instance_lifecycle = (known after apply)
+ instance_state = (known after apply)
+ instance_type = "t2.micro"
+ ipv6_address_count = (known after apply)
+ ipv6_addresses = (known after apply)
+ key_name = "sujithohio"
+ monitoring = (known after apply)
+ outpost_arn = (known after apply)
i-05f1fc1eaca25a9a0 (server-terraform)
PublicIPs: 3.128.95.47 PrivateIPs: 172.31.8.186
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences


us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-2&connType=standard&instanceId=i-05f1fc1eaca25a9a0&osUser=ubuntu&sshPo...
aws
Services
Search
[Option+S]
Ohio
rsujithsri16%40gmail.com
EC2
+ enclave_options (known after apply)
+ ephemeral_block_device (known after apply)
+ instance_market_options (known after apply)
+ maintenance_options (known after apply)
+ metadata_options (known after apply)
+ network_interface (known after apply)
+ private_dns_name_options (known after apply)
+ root_block_device (known after apply)
}
Plan: 1 to add, 0 to change, 0 to destroy.
Do you want to perform these actions?
Terraform will perform the actions described above.
Only 'yes' will be accepted to approve.
Enter a value: yes
aws_instance.assignment-1: Creating...
aws_instance.assignment-1: Still creating... [10s elapsed]
aws_instance.assignment-1: Still creating... [20s elapsed]
aws_instance.assignment-1: Still creating... [30s elapsed]
aws_instance.assignment-1: Creation complete after 32s [id=i-029b10c9c215dd75e]
Apply complete! Resources: 1 added, 0 changed, 0 destroyed.
ubuntu@ip-172-31-8-186:~/assignment$
i-05f1fc1eaca25a9a0 (server-terraform)
PublicIPs: 3.128.95.47 PrivateIPs: 172.31.8.186
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences


us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-2&connType=standard&instanceId=i-05f1fc1eaca25a9a0&osUser=ubuntu&sshPo...
aws
Services
Search
[Option+S]
Ohio
rsujithsri16%40gmail.com
EC2
+ enclave_options (known after apply)
+ ephemeral_block_device (known after apply)
+ instance_market_options (known after apply)
+ maintenance_options (known after apply)
+ metadata_options (known after apply)
+ network_interface (known after apply)
+ private_dns_name_options (known after apply)
+ root_block_device (known after apply)
}
Plan: 1 to add, 0 to change, 0 to destroy.
Do you want to perform these actions?
Terraform will perform the actions described above.
Only 'yes' will be accepted to approve.
Enter a value: yes
aws_instance.assignment-1: Creating...
aws_instance.assignment-1: Still creating... [10s elapsed]
aws_instance.assignment-1: Still creating... [20s elapsed]
aws_instance.assignment-1: Still creating... [30s elapsed]
aws_instance.assignment-1: Creation complete after 32s [id=i-029b10c9c215dd75e]
Apply complete! Resources: 1 added, 0 changed, 0 destroyed.
ubuntu@ip-172-31-8-186:~/assignment$
i-05f1fc1eaca25a9a0 (server-terraform)
PublicIPs: 3.128.95.47 PrivateIPs: 172.31.8.186
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences


us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#Instances:v=3;$case=tags:true%5C,client:false;$regex=tags:false%5C,client:false
aws
Services
Search
[Option+S]
Ohio
rsujithsri16%40gmail.com
EC2
EC2 Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Snapshots
Lifecycle Manager
Network & Security
Security Groups
Instances (2) Info
Connect
Instance state
Actions
Launch instances
Find Instance by attribute or tag (case-sensitive)
All states
1
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
server-terraform
i-05f1fc1eaca25a9a0
Running
t2.micro
2/2 checks passec
View alarms
us-east-2a
assignment-1
i-029b10c9c215dd75e
Running
t2.micro
2/2 checks passec
View alarms
us-east-2a
Select an instance
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences