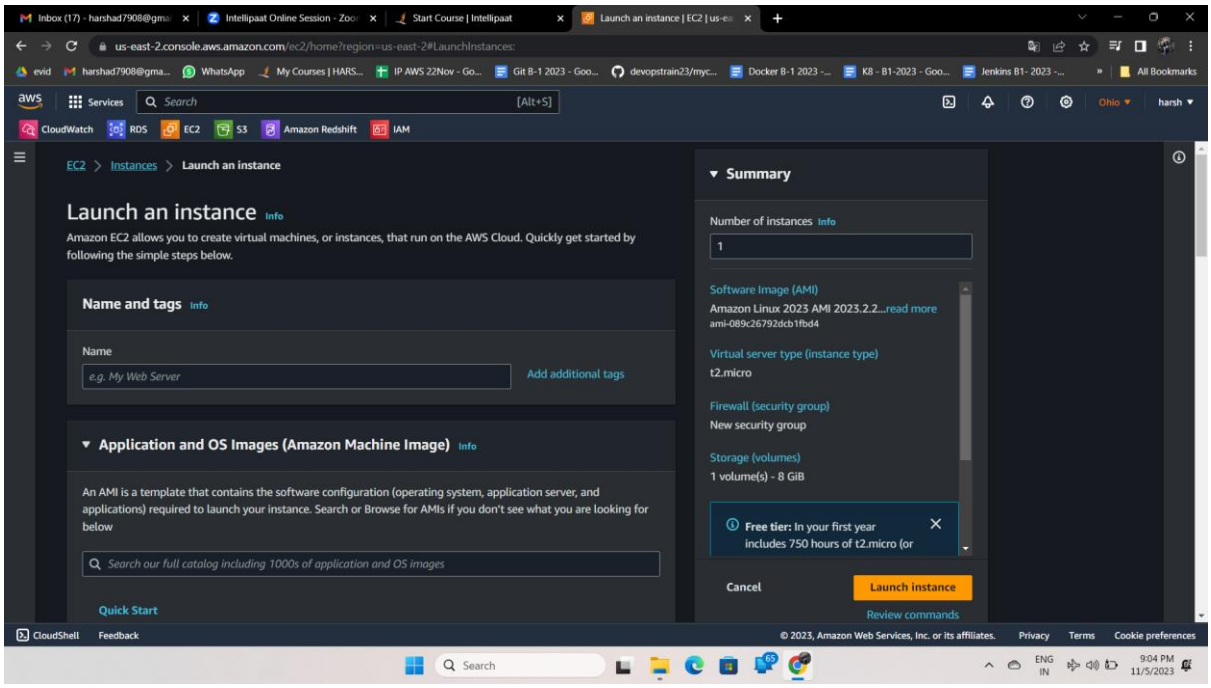
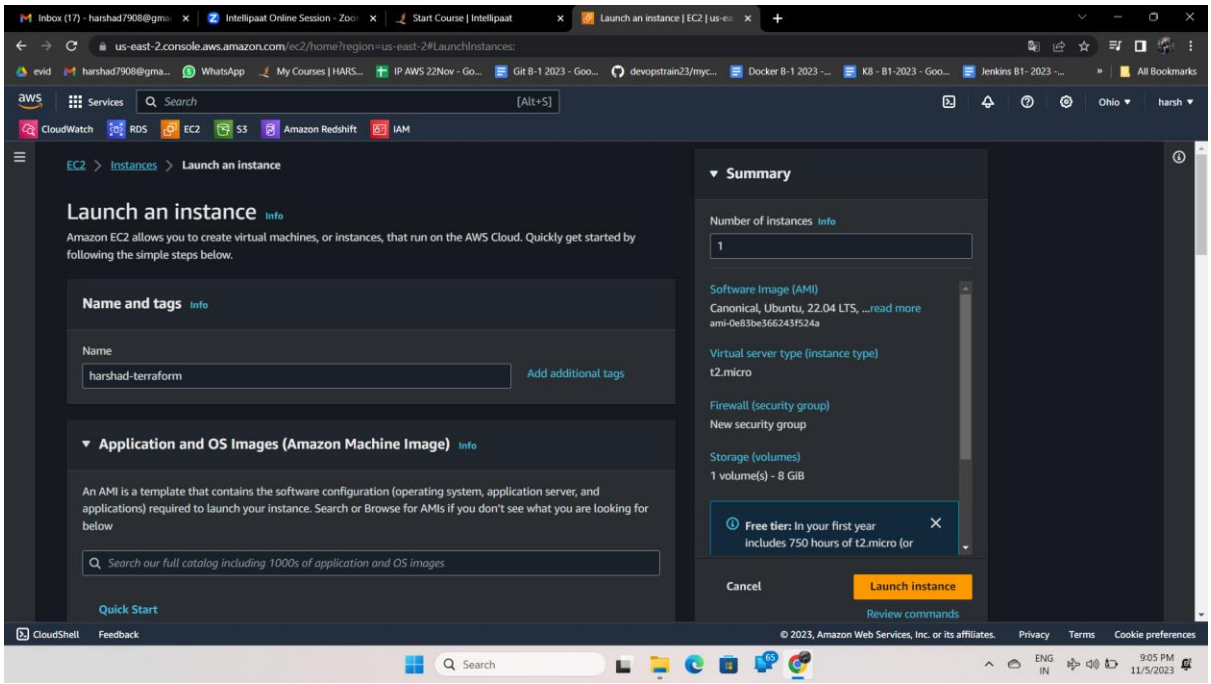
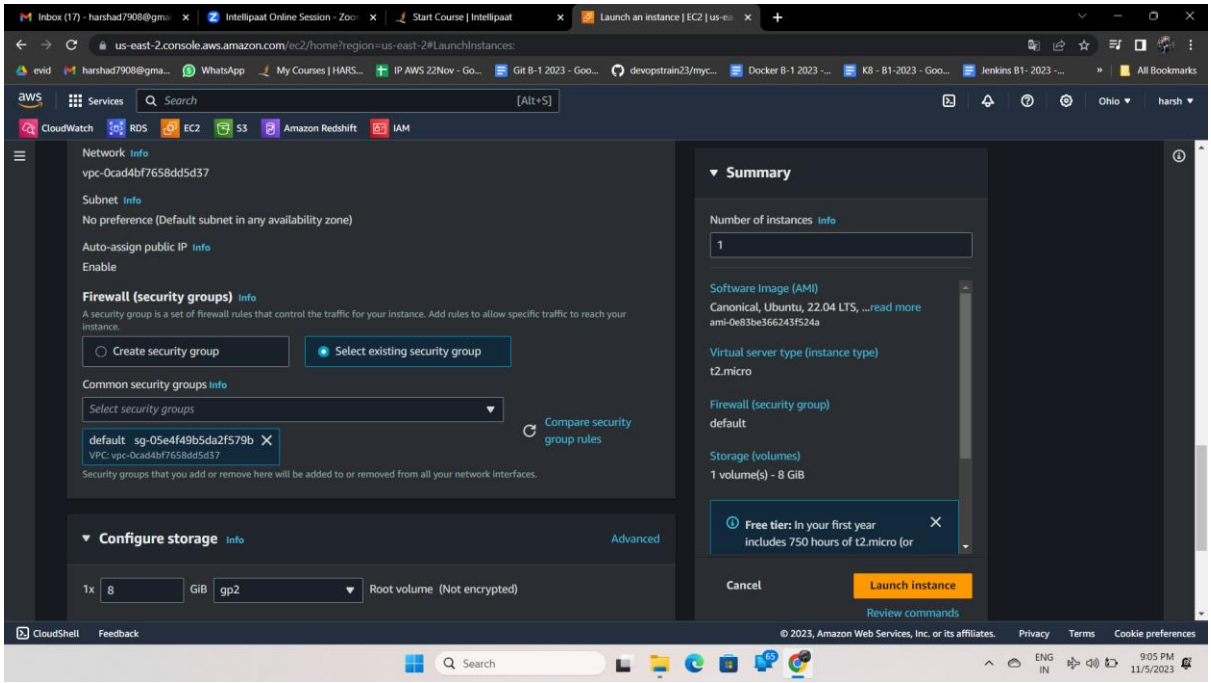
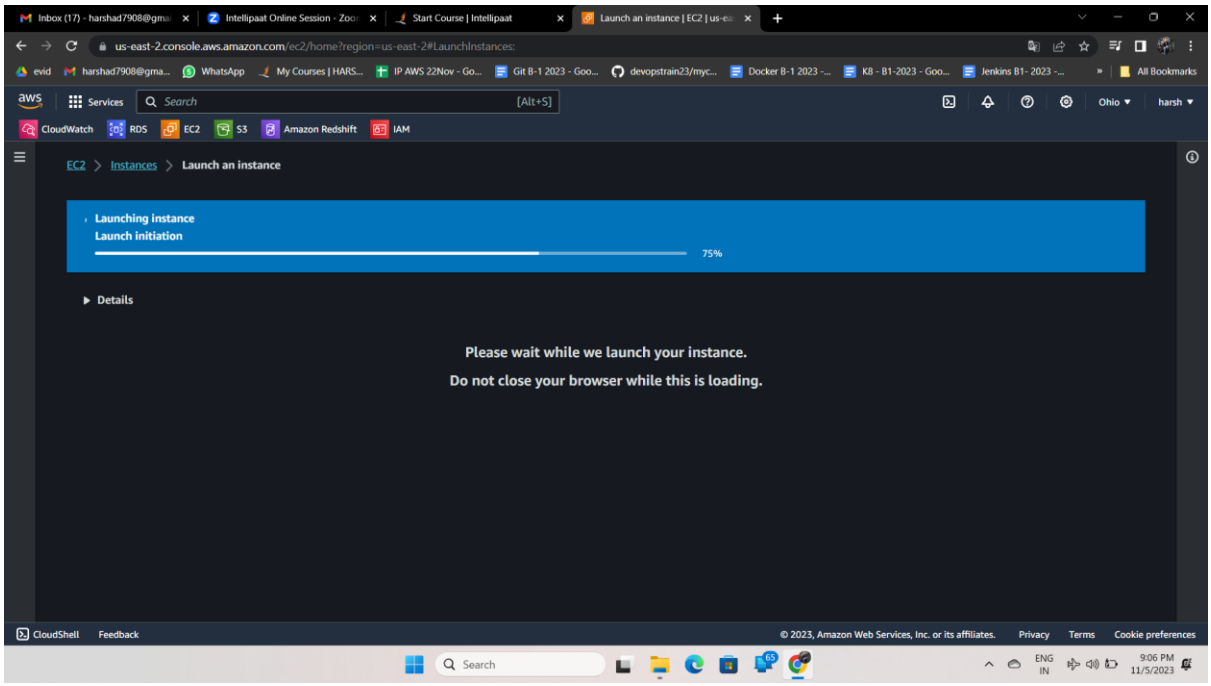
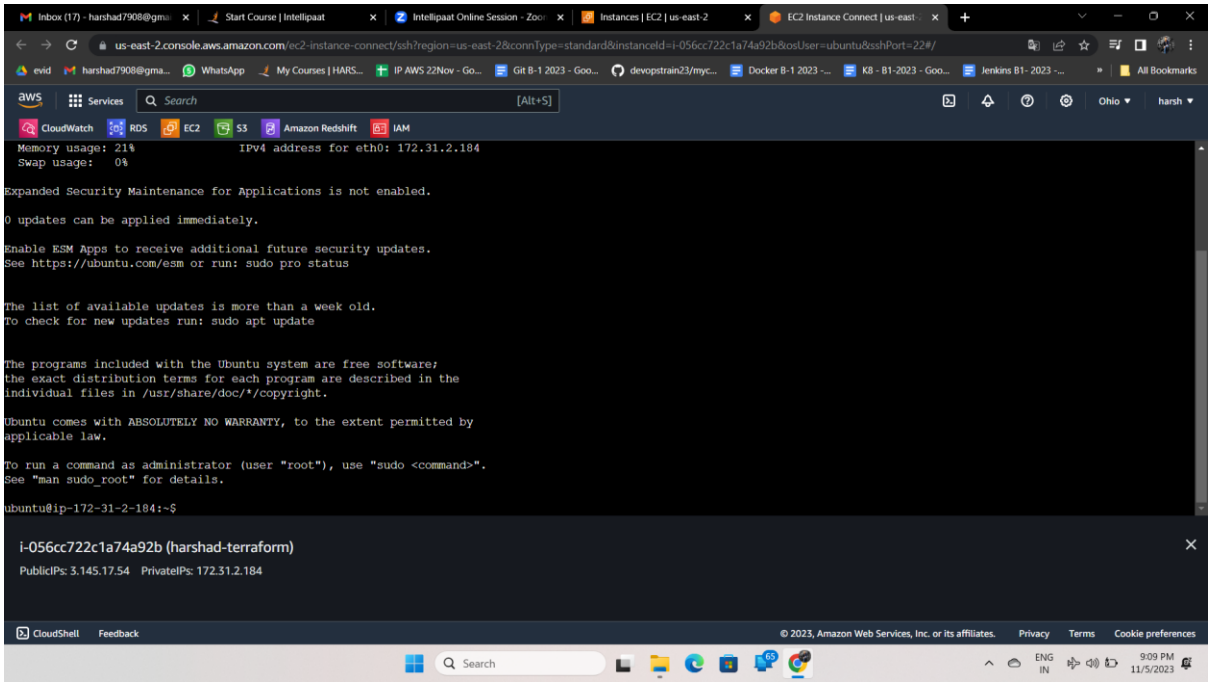
Terraform Assignment 1






Network Info
vpc-0cad4bf7658dd5d37
Subnet Info
No preference (Default subnet in any availability zone)
Auto-assign public IP Info
Enable
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
default sg-05e4f49b5da2f579b
VPC: vpc-0cad4bf7658dd5d37
Compare security group rules
Security groups that you add or remove here will be added to or removed from all your network interfaces.
Configure storage Info
Advanced
1x 8 GiB gp2 Root volume (Not encrypted)
Summary
Number of instances Info
1
Software Image (AMI)
Canonical, Ubuntu, 22.04 LTS, ...read more
ami-0e83be366243f524a
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
Cancel
Launch instance
Review commands


EC2 > Instances > Launch an instance
Launching instance
Launch initiation
75%
Details
Please wait while we launch your instance.
Do not close your browser while this is loading.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Start Course | Intellipaat
Intellipaat Online Session - Zoo
Instances | EC2 | us-east-2
EC2 Instance Connect | us-east-
us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-2&connType=standard&instanceId=i-056cc722c1a74a92b&osUser=ubuntu&sshPort=22#/
Services
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harsh
CloudWatch
RDS
EC2
S3
Amazon Redshift
IAM
Memory usage: 21%
IPv4 address for eth0: 172.31.2.184
Swap usage: 0%
Expanded Security Maintenance for Applications is not enabled.
0 updates can be applied immediately.
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-172-31-2-184:~$
i-056cc722c1a74a92b (harshad-terraform)
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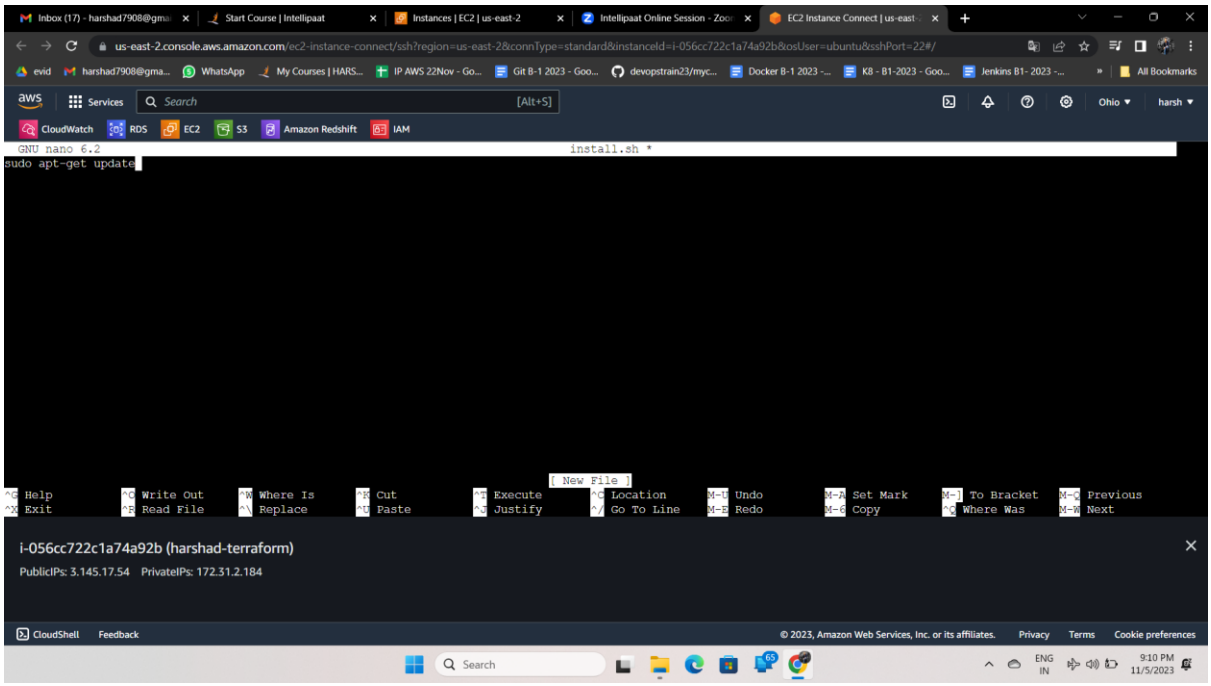
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Instances | EC2 | us-east-2
Intellipaat Online Session - Zoo
EC2 Instance Connect | us-east-
us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-2&connType=standard&instanceId=i-056cc722c1a74a92b&osUser=ubuntu&sshPort=22#/
Services
Search
[Alt+S]
Ohio
harsh
CloudWatch
RDS
EC2
S3
Amazon Redshift
IAM
GNU nano 6.2
install.sh *
sudo apt-get update
[New File]
^G Help
^O Write Out
^W Where Is
^K Cut
^T Execute
^C Location
M-U Undo
M-A Set Mark
M-] To Bracket
M-Q Previous
^X Exit
^R Read File
^\ Replace
^U Paste
^J Justify
^/ Go To Line
M-E Redo
M-6 Copy
^Q Where Was
M-W Next
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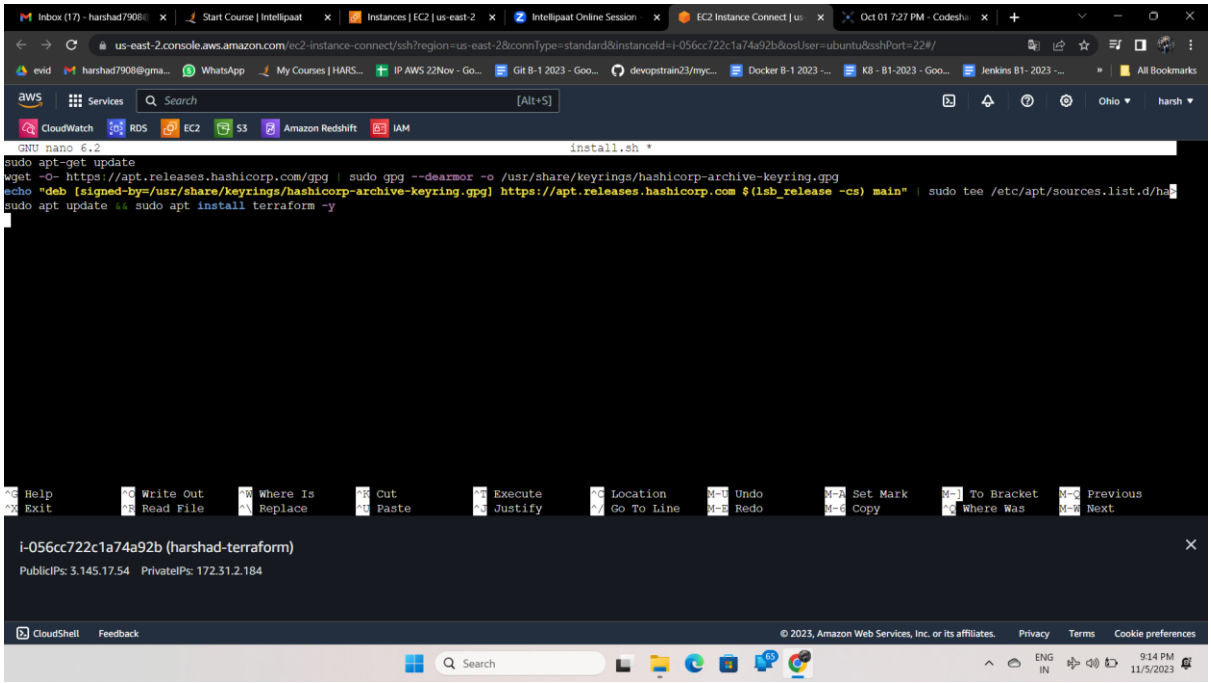
GNU nano 6.2 install.sh *
sudo apt-get update
wget -O- https://apt.releases.hashicorp.com/gpg | sudo gpg --dearmor -o /usr/share/keyrings/hashicorp-archive-keyring.gpg
echo "deb [signed-by=/usr/share/keyrings/hashicorp-archive-keyring.gpg] https://apt.releases.hashicorp.com $(lsb_release -cs) main" | sudo tee /etc/apt/sources.list.d/ha
sudo apt update && sudo apt install terraform -y
^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-] To Bracket M-Q Previous
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo M-6 Copy ^Q Where Was M-W Next
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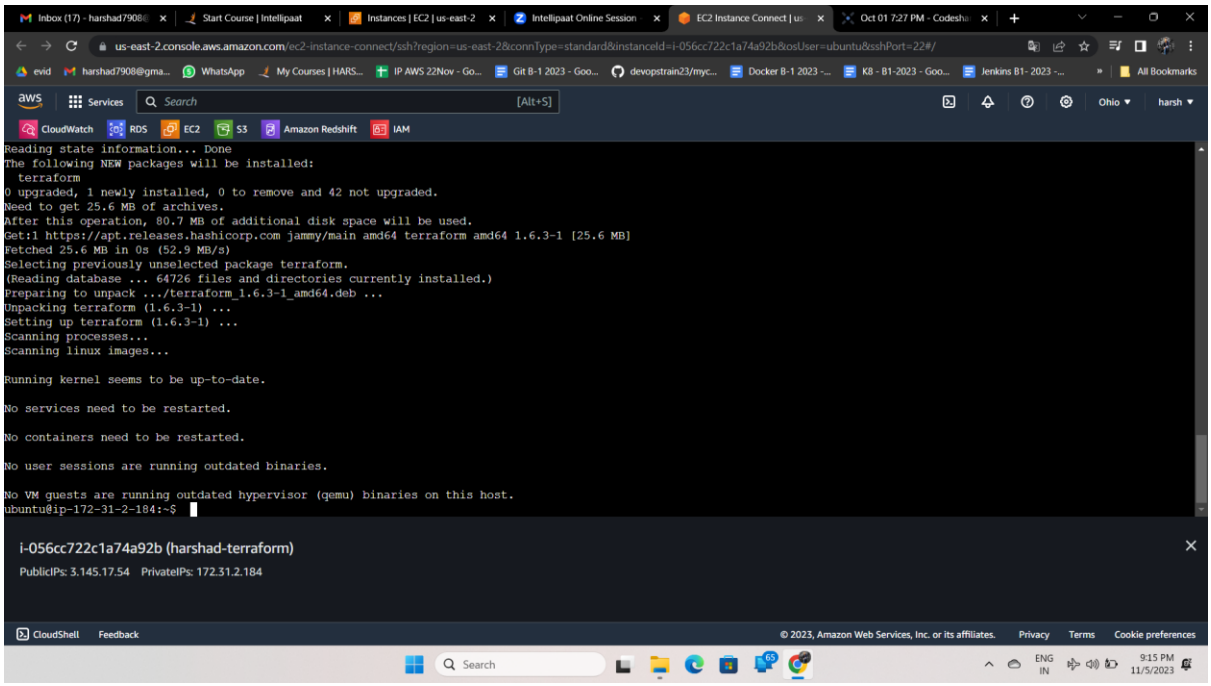
Reading state information... Done
The following NEW packages will be installed:
terraform
0 upgraded, 1 newly installed, 0 to remove and 42 not upgraded.
Need to get 25.6 MB of archives.
After this operation, 80.7 MB of additional disk space will be used.
Get:1 https://apt.releases.hashicorp.com jammy/main amd64 terraform amd64 1.6.3-1 [25.6 MB]
Fetched 25.6 MB in 0s (52.9 MB/s)
Selecting previously unselected package terraform.
(Reading database ... 64726 files and directories currently installed.)
Preparing to unpack .../terraform_1.6.3-1_amd64.deb ...
Unpacking terraform (1.6.3-1) ...
Setting up terraform (1.6.3-1) ...
Scanning processes...
Scanning linux images...
Running kernel seems to be up-to-date.
No services need to be restarted.
No containers need to be restarted.
No user sessions are running outdated binaries.
No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-2-184:~$
i-056cc722c1a74a92b (harshad-terraform)
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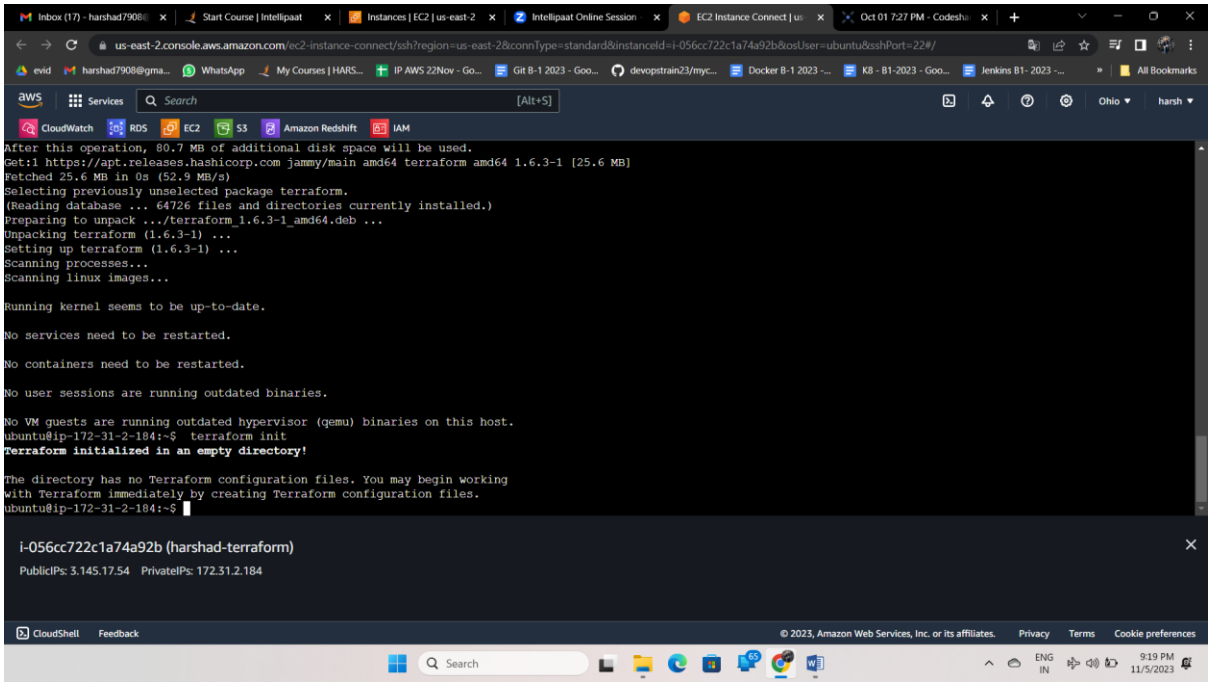
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Fetched 25.6 MB in 0s (52.9 MB/s)
Selecting previously unselected package terraform.
(Reading database ... 64726 files and directories currently installed.)
Preparing to unpack .../terraform_1.6.3-1_amd64.deb ...
Unpacking terraform (1.6.3-1) ...
Setting up terraform (1.6.3-1) ...
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-172-31-2-184:~$ terraform init
Terraform initialized in an empty directory!
The directory has no Terraform configuration files. You may begin working
with Terraform immediately by creating Terraform configuration files.
ubuntu@ip-172-31-2-184:~$
i-056cc722c1a74a92b (harshad-terraform)
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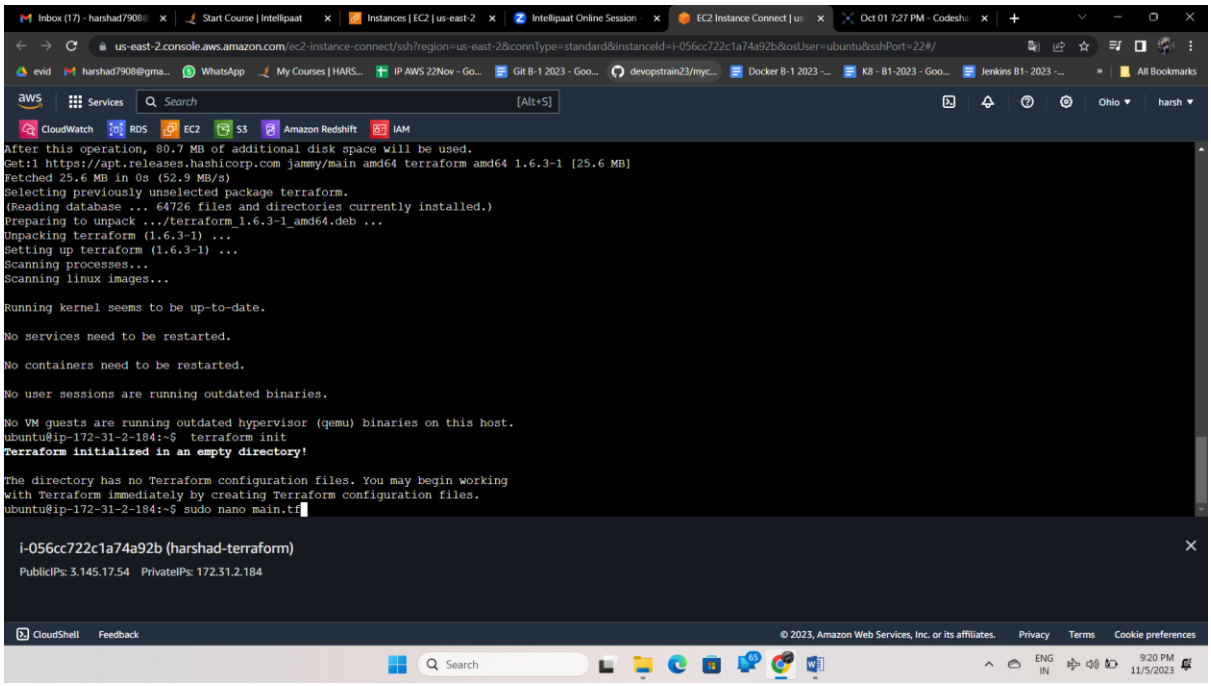
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Get:1 https://apt.releases.hashicorp.com jammy/main amd64 terraform amd64 1.6.3-1 [25.6 MB]
Fetched 25.6 MB in 0s (52.9 MB/s)
Selecting previously unselected package terraform.
(Reading database ... 64726 files and directories currently installed.)
Preparing to unpack .../terraform_1.6.3-1_amd64.deb ...
Unpacking terraform (1.6.3-1) ...
Setting up terraform (1.6.3-1) ...
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-172-31-2-184:~$ terraform init
Terraform initialized in an empty directory!
The directory has no Terraform configuration files. You may begin working
with Terraform immediately by creating Terraform configuration files.
ubuntu@ip-172-31-2-184:~$ sudo nano main.tf
i-056cc722c1a74a92b (harshad-terraform)
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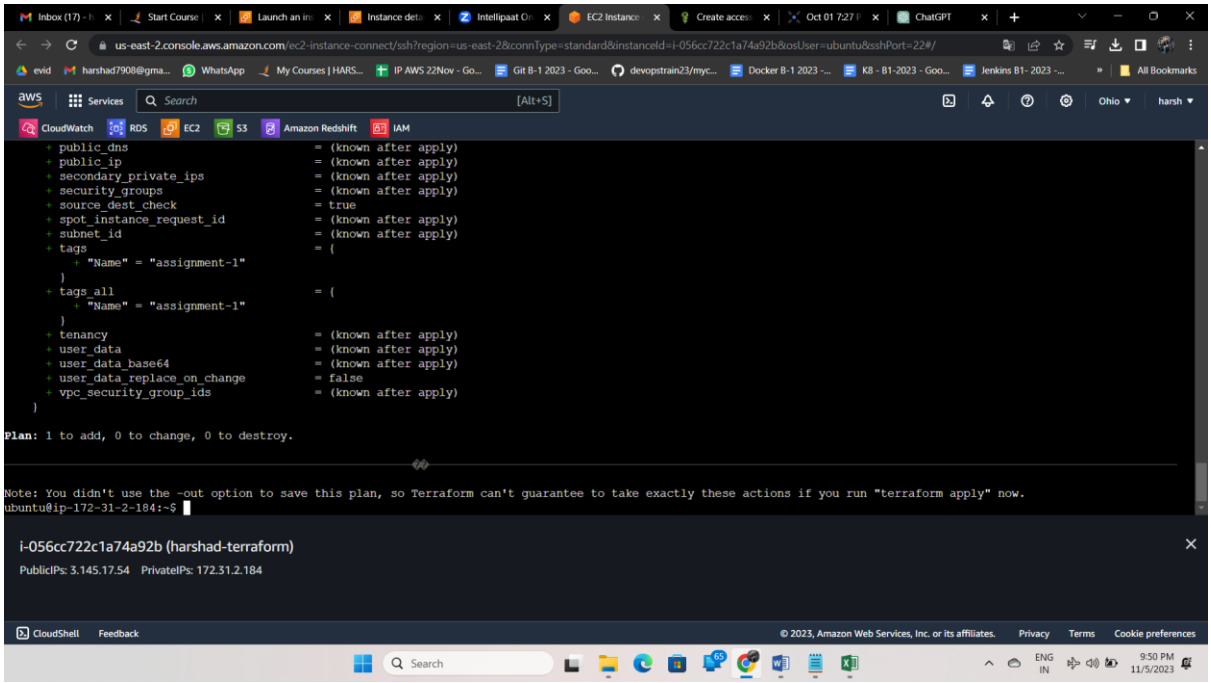
+ public_dns = (known after apply)
+ public_ip = (known after apply)
+ secondary_private_ips = (known after apply)
+ security_groups = (known after apply)
+ source_dest_check = true
+ spot_instance_request_id = (known after apply)
+ subnet_id = (known after apply)
+ tags = {
+ "Name" = "assignment-1"
}
+ tags_all = {
+ "Name" = "assignment-1"
}
+ 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: 1 to add, 0 to change, 0 to destroy.
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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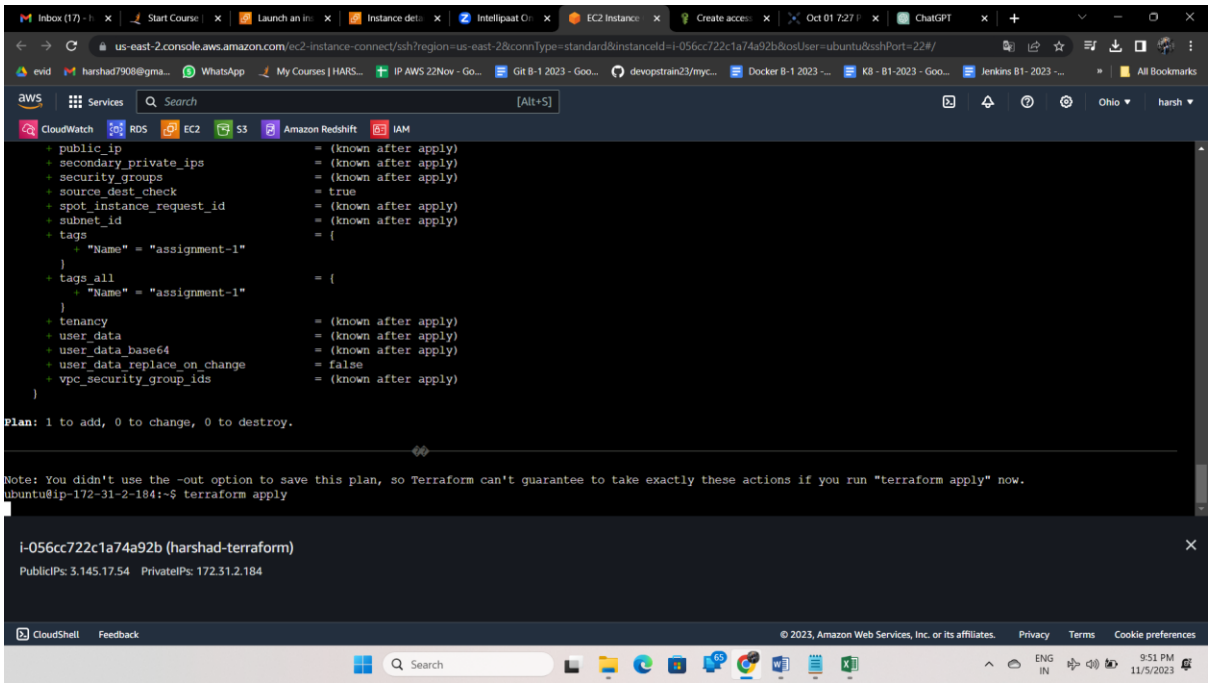
+ public_ip = (known after apply)
+ secondary_private_ips = (known after apply)
+ security_groups = (known after apply)
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+ spot_instance_request_id = (known after apply)
+ subnet_id = (known after apply)
+ tags = {
+ "Name" = "assignment-1"
}
+ tags_all = {
+ "Name" = "assignment-1"
}
+ 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: 1 to add, 0 to change, 0 to destroy.
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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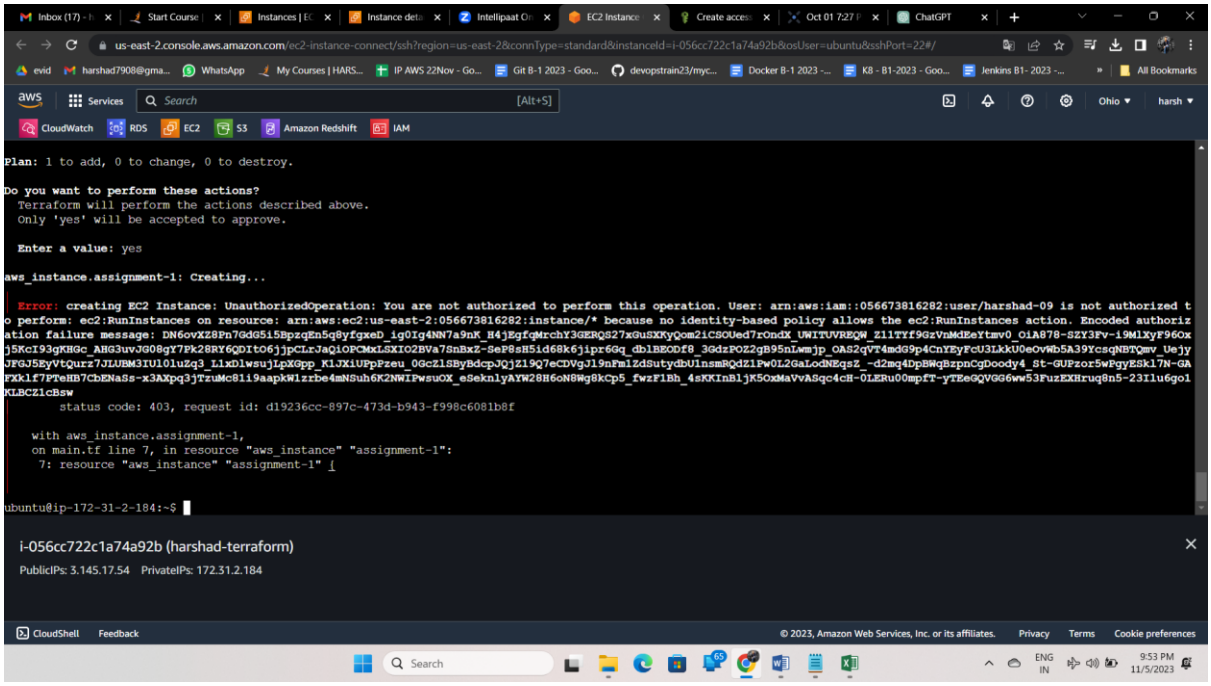
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Start Course
Instances | EC
Instance deta
Intellipaat On
EC2 Instance
Create acces
Oct 01 7:27 F
ChatGPT
us-east-2.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-2&connType=standard&instanceId=i-056cc722c1a74a92b&osUser=ubuntu&sshPort=22#/
evid
harshad7908@gma...
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Git B-1 2023 - Goo...
devopstrain23/myc...
Docker B-1 2023 -...
K8 - B1-2023 - Goo...
Jenkins B1- 2023 -...
All Bookmarks
aws
Services
Search
[Alt+S]
Ohio
harsh
CloudWatch
RDS
EC2
S3
Amazon Redshift
IAM
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...
Error: creating EC2 Instance: UnauthorizedOperation: You are not authorized to perform this operation. User: arn:aws:iam::056673816282:user/harshad-09 is not authorized t
o perform: ec2:RunInstances on resource: arn:aws:ec2:us-east-2:056673816282:instance/* because no identity-based policy allows the ec2:RunInstances action. Encoded authoriz
ation failure message: DN6ovXZ8Pn7GdG5i5BpzqEn5q8yfgxeD_ig0Ig4NN7a9nK_H4jEgfqMrchY3GERQ827xGuSXKyQom2iCSOUed7rOndX_UWITUVREQW_Z11Tff9GzVnMdEeYtmv0_OiA878-SZY3Fv-i9MlXyF96Ox
j5KcI93gKHGc_AHG3uvJG08gY7Pk28RY6QDItO6jjpCLrJaQiOPCMxL5XIO2BVa7SnBxZ-SeP8sH5id68k6jipr6Gq_dblBEODf8_3GdzPOZ2gB95nLwmjp_OAS2qVT4mdG9p4CnYEyFcU3LkkU0eOvWb5A39YcsqNBTQmv_Uejy
JFGJ5EyVtQurz7JLUBM3IUl0luZq3_L1xDlwsujLpXGpp_KlJXiUPpPzeu_0GcZlSByBdcpJQjZl9Q7eCDVgJl9nFmlZdSutydbUlnsmRQdZlPw0L2GaLodNEqsZ_-d2mq4DpBWqBzpnCgDoody4_St-GUPzor5wPgyESkl7N-GA
FXklf7PTeHB7CbENaSs-x3AXpq3jTzuMc81i9aapkW1zrbe4mNSuh6K2NWIPwsuOX_eSeknlyAYW28H6oN8Wg8kCp5_fwzF1Bh_4sKKInBljK5OxMaVvASqc4cH-OLERu00mpfT-yTEeGQVGG6ww53FuzEXHruq8n5-23Ilu6go1
KLBCZ1cBsw
status code: 403, request id: d19236cc-897c-473d-b943-f998c6081b8f
with aws_instance.assignment-1,
on main.tf line 7, in resource "aws_instance" "assignment-1":
7: resource "aws_instance" "assignment-1" {
ubuntu@ip-172-31-2-184:~$
i-056cc722c1a74a92b (harshad-terraform)
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