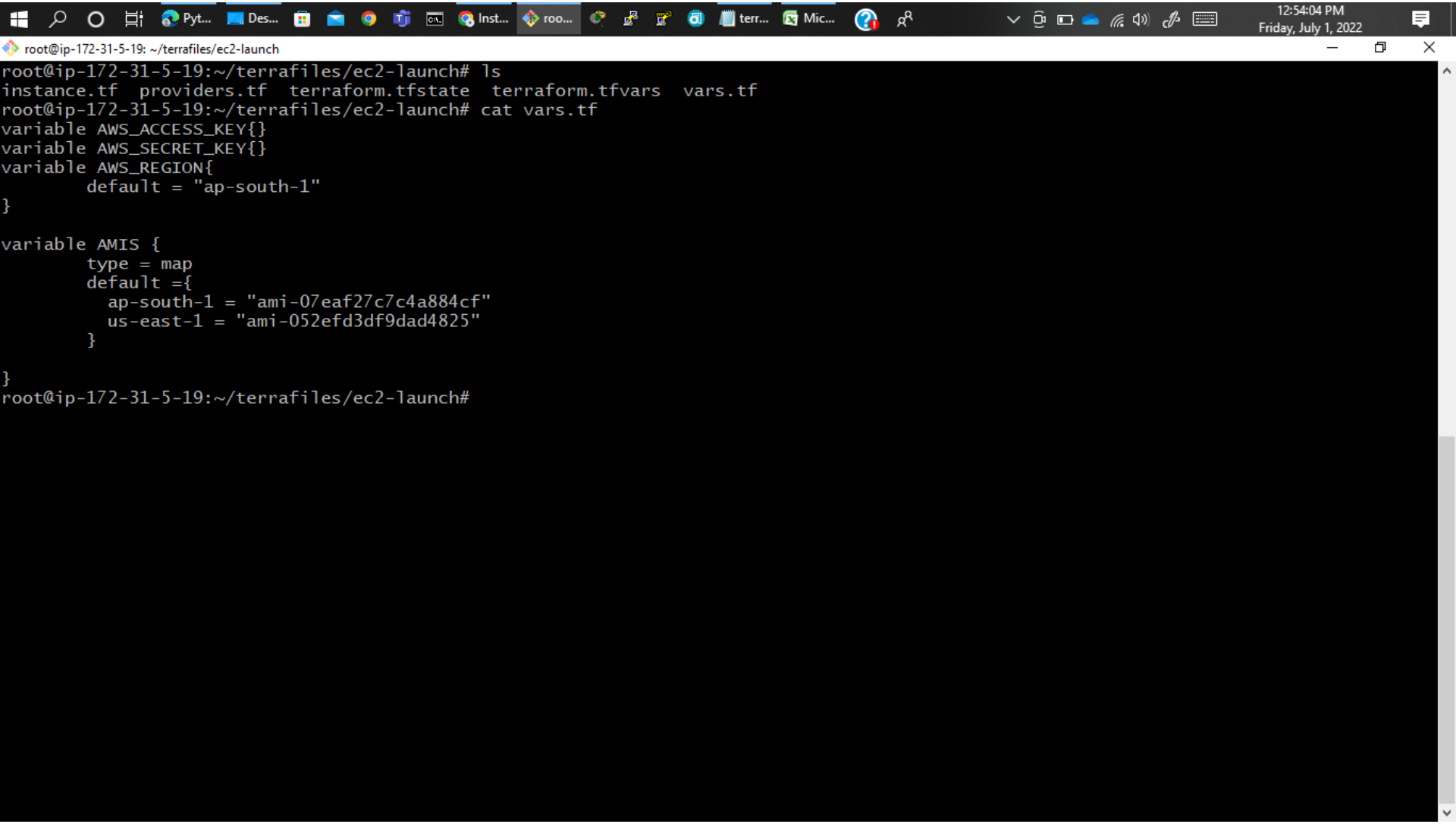
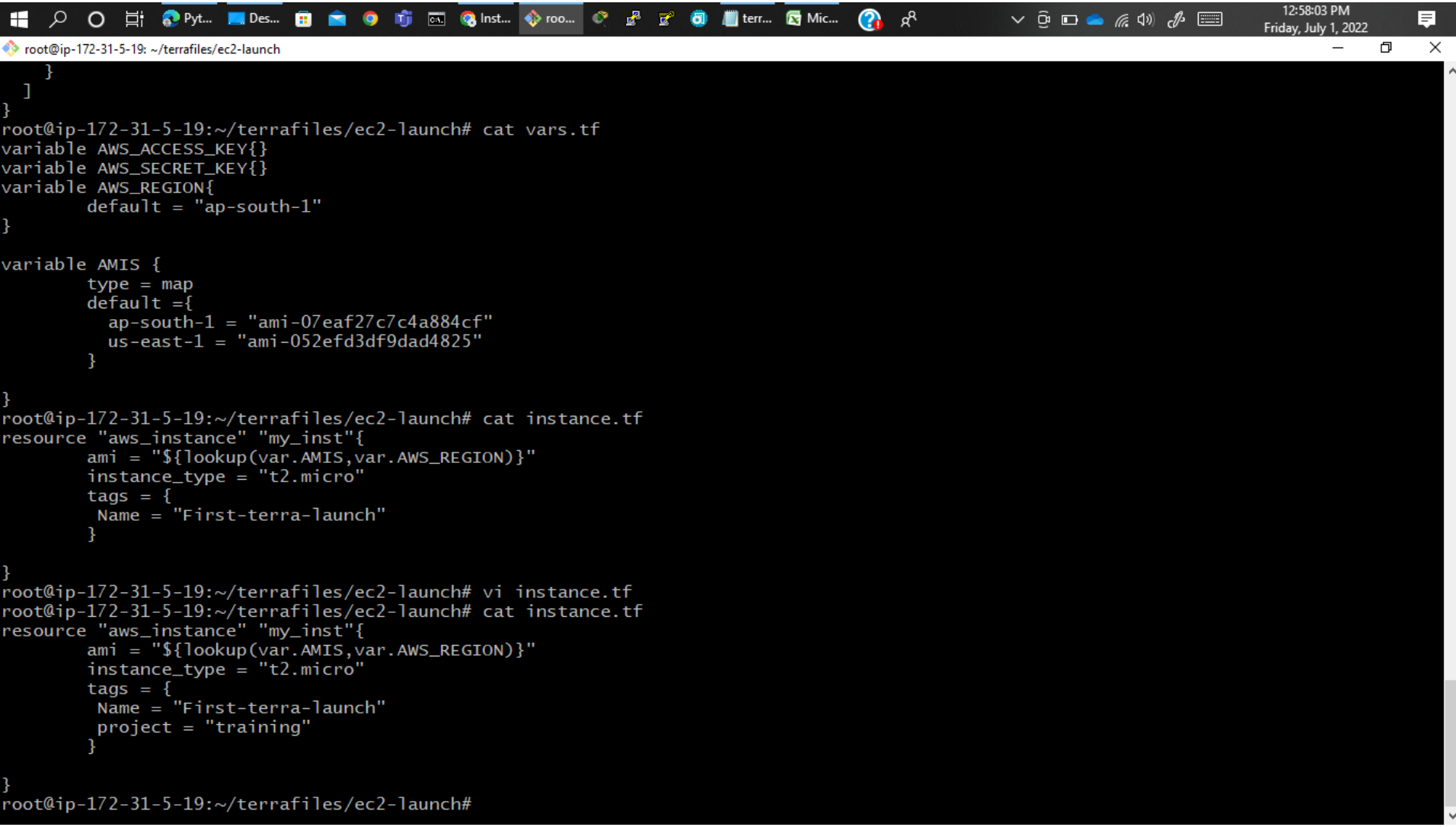

HashiCorp
Terraform
aws

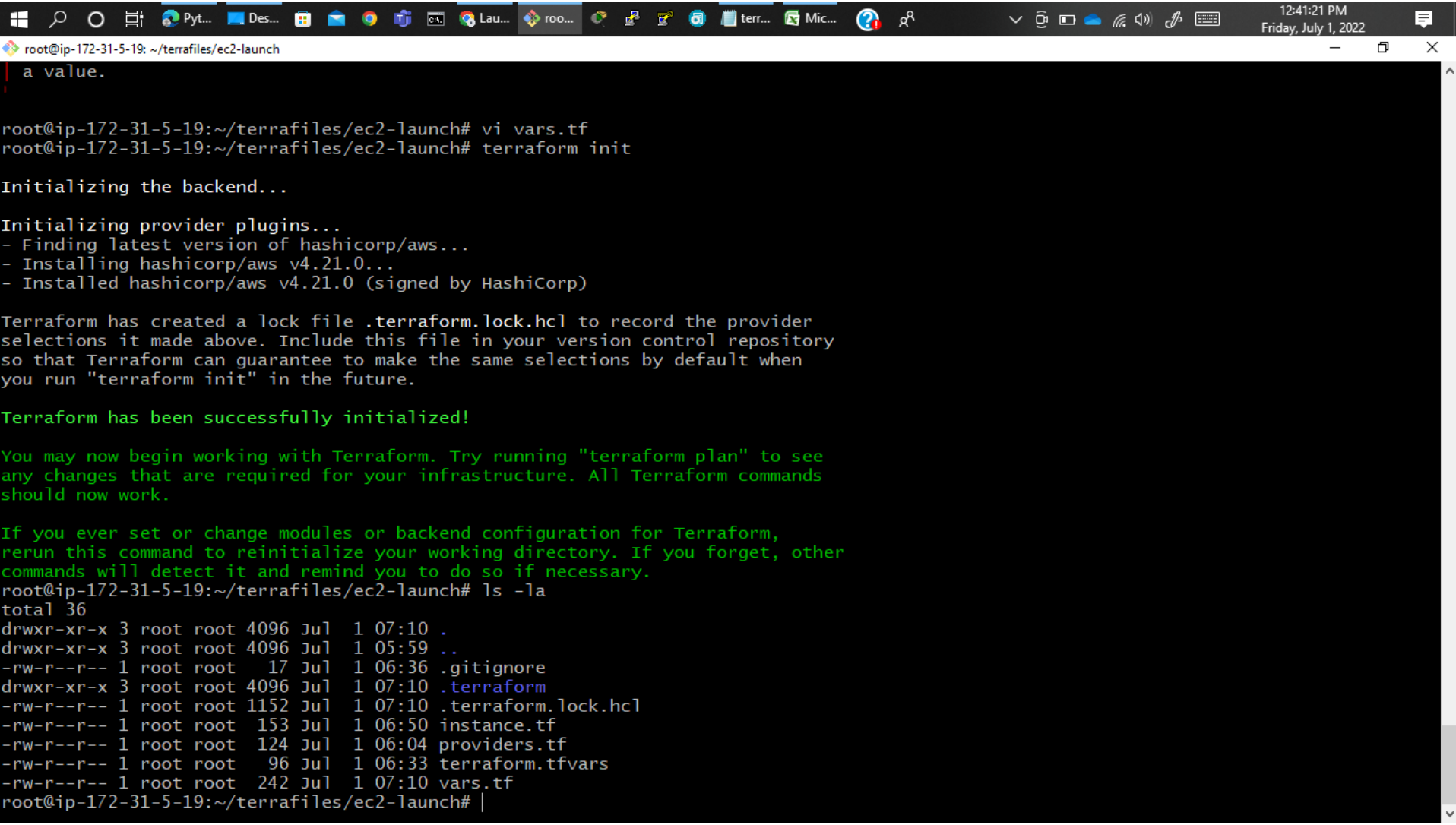
# ***Create some files for launch ec2 instance using terraform
# Providers.tf … vars.tf…instance.tf…terraform.tfvars



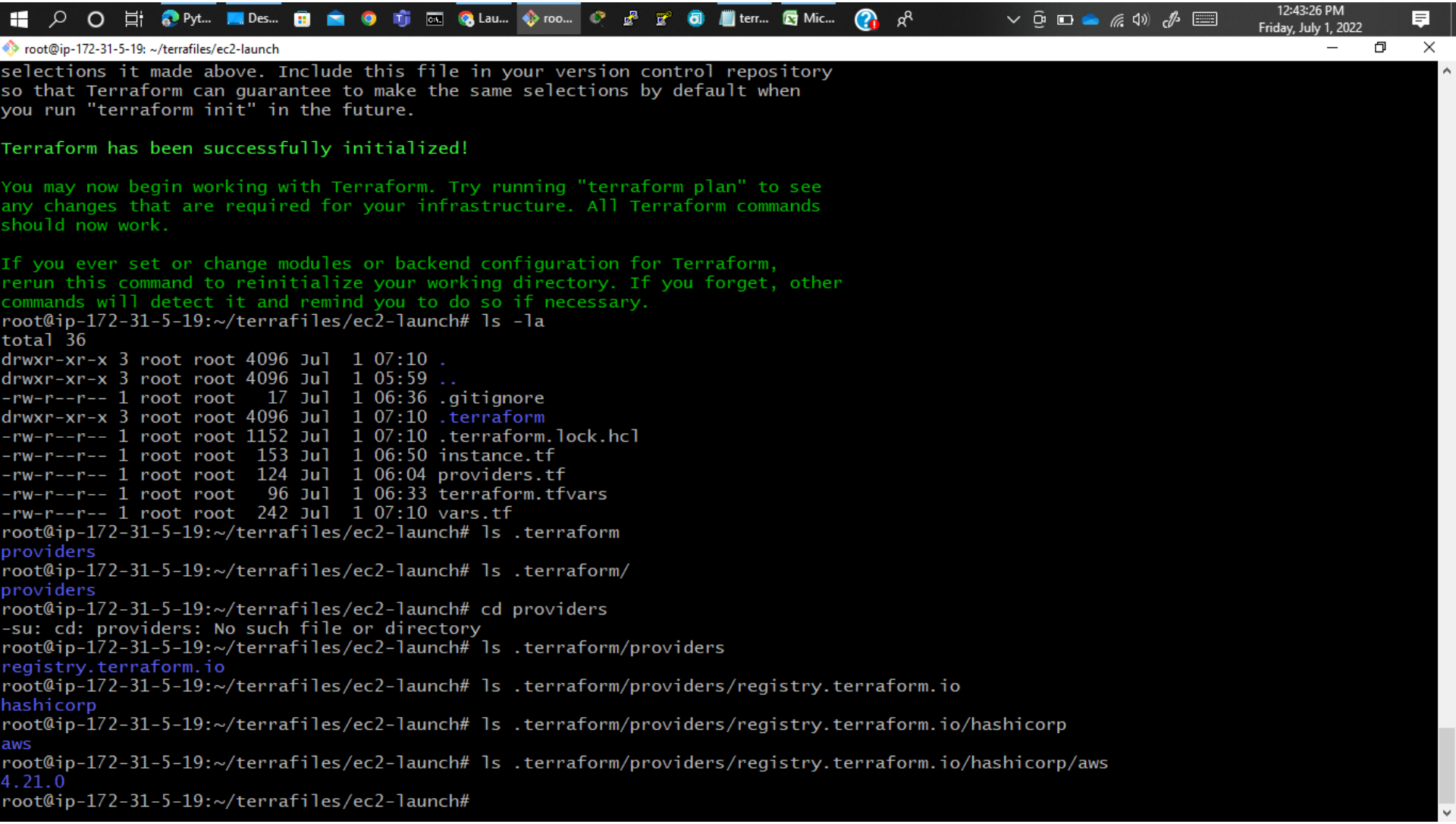
# Terraform Files



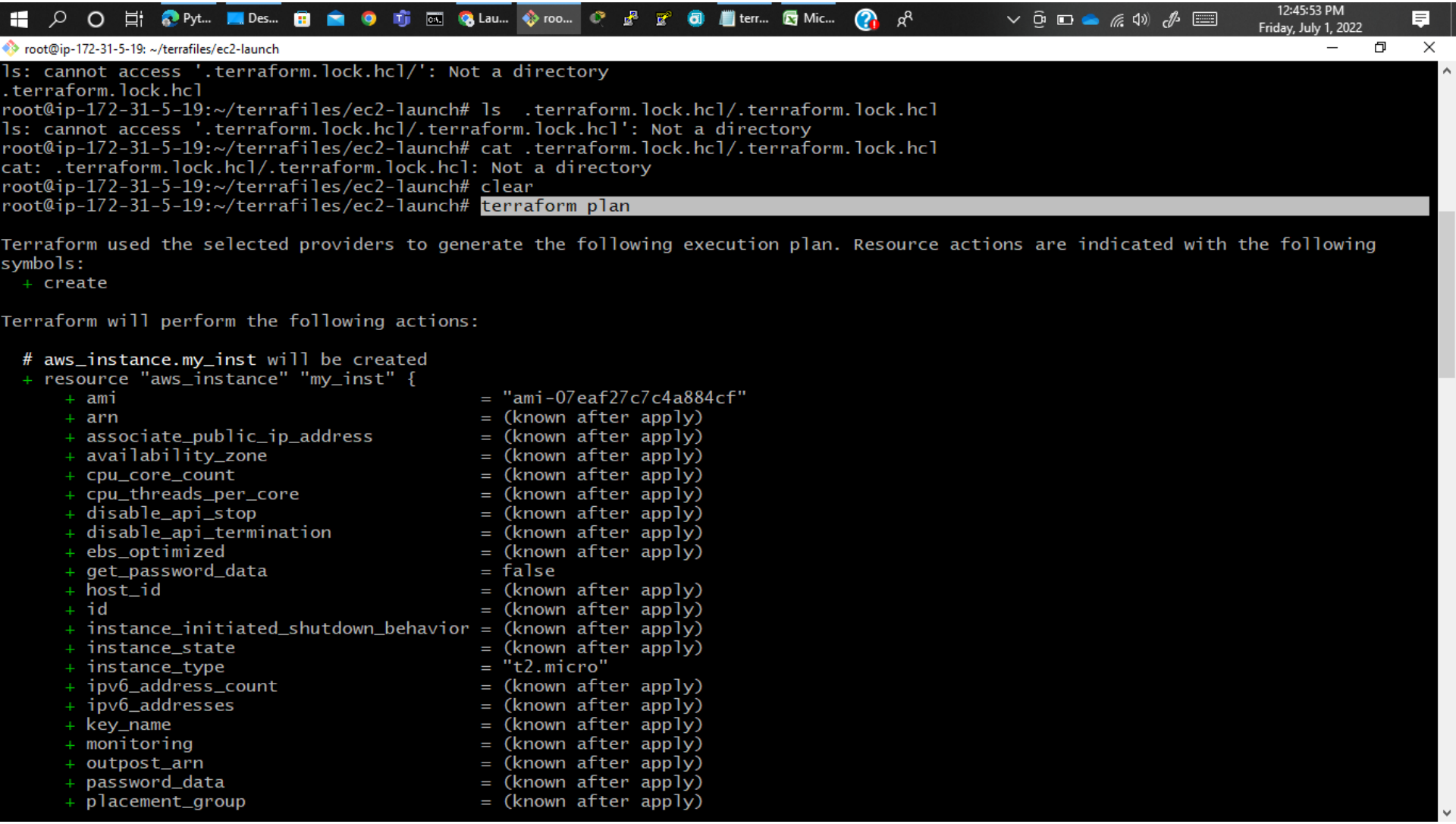
# Terraform init




**After terraform init you get .terraform file**

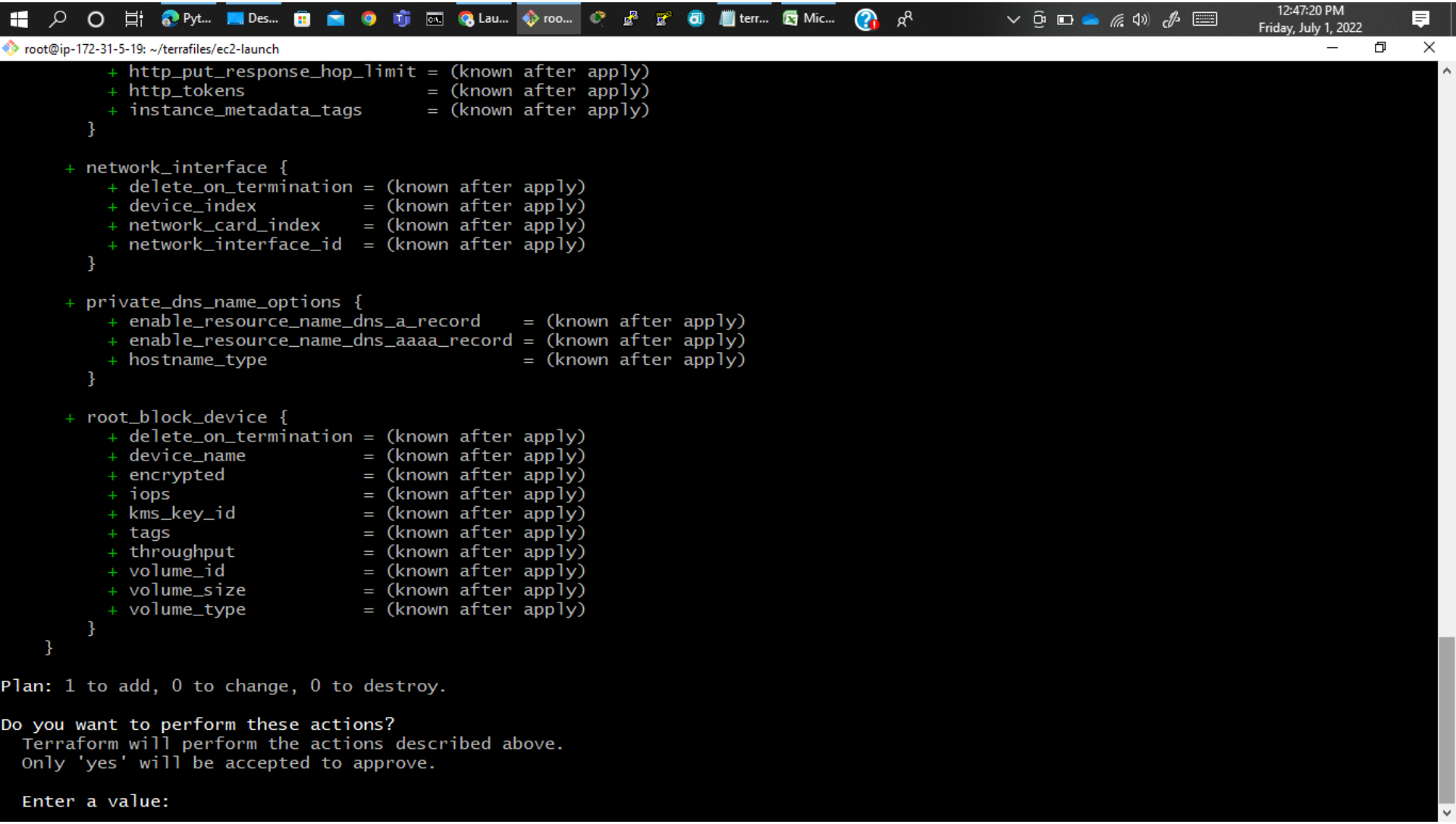

12:43:26 PM
Friday, July 1, 2022
root@ip-172-31-5-19: ~/terrafiles/ec2-launch
selections it made above. Include this file in your version control repository
so that Terraform can guarantee to make the same selections by default when
you run "terraform init" in the future.
Terraform has been successfully 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.
root@ip-172-31-5-19:~/terrafiles/ec2-launch# ls -la
total 36
drwxr-xr-x 3 root root 4096 Jul 1 07:10 .
drwxr-xr-x 3 root root 4096 Jul 1 05:59 ..
-rw-r--r-- 1 root root 17 Jul 1 06:36 .gitignore
drwxr-xr-x 3 root root 4096 Jul 1 07:10 .terraform
-rw-r--r-- 1 root root 1152 Jul 1 07:10 .terraform.lock.hcl
-rw-r--r-- 1 root root 153 Jul 1 06:50 instance.tf
-rw-r--r-- 1 root root 124 Jul 1 06:04 providers.tf
-rw-r--r-- 1 root root 96 Jul 1 06:33 terraform.tfvars
-rw-r--r-- 1 root root 242 Jul 1 07:10 vars.tf
root@ip-172-31-5-19:~/terrafiles/ec2-launch# ls .terraform
providers
root@ip-172-31-5-19:~/terrafiles/ec2-launch# ls .terraform/
providers
root@ip-172-31-5-19:~/terrafiles/ec2-launch# cd providers
-su: cd: providers: No such file or directory
root@ip-172-31-5-19:~/terrafiles/ec2-launch# ls .terraform/providers
registry.terraform.io
root@ip-172-31-5-19:~/terrafiles/ec2-launch# ls .terraform/providers/registry.terraform.io
hashicorp
root@ip-172-31-5-19:~/terrafiles/ec2-launch# ls .terraform/providers/registry.terraform.io/hashicorp
aws
root@ip-172-31-5-19:~/terrafiles/ec2-launch# ls .terraform/providers/registry.terraform.io/hashicorp/aws
4.21.0
root@ip-172-31-5-19:~/terrafiles/ec2-launch#

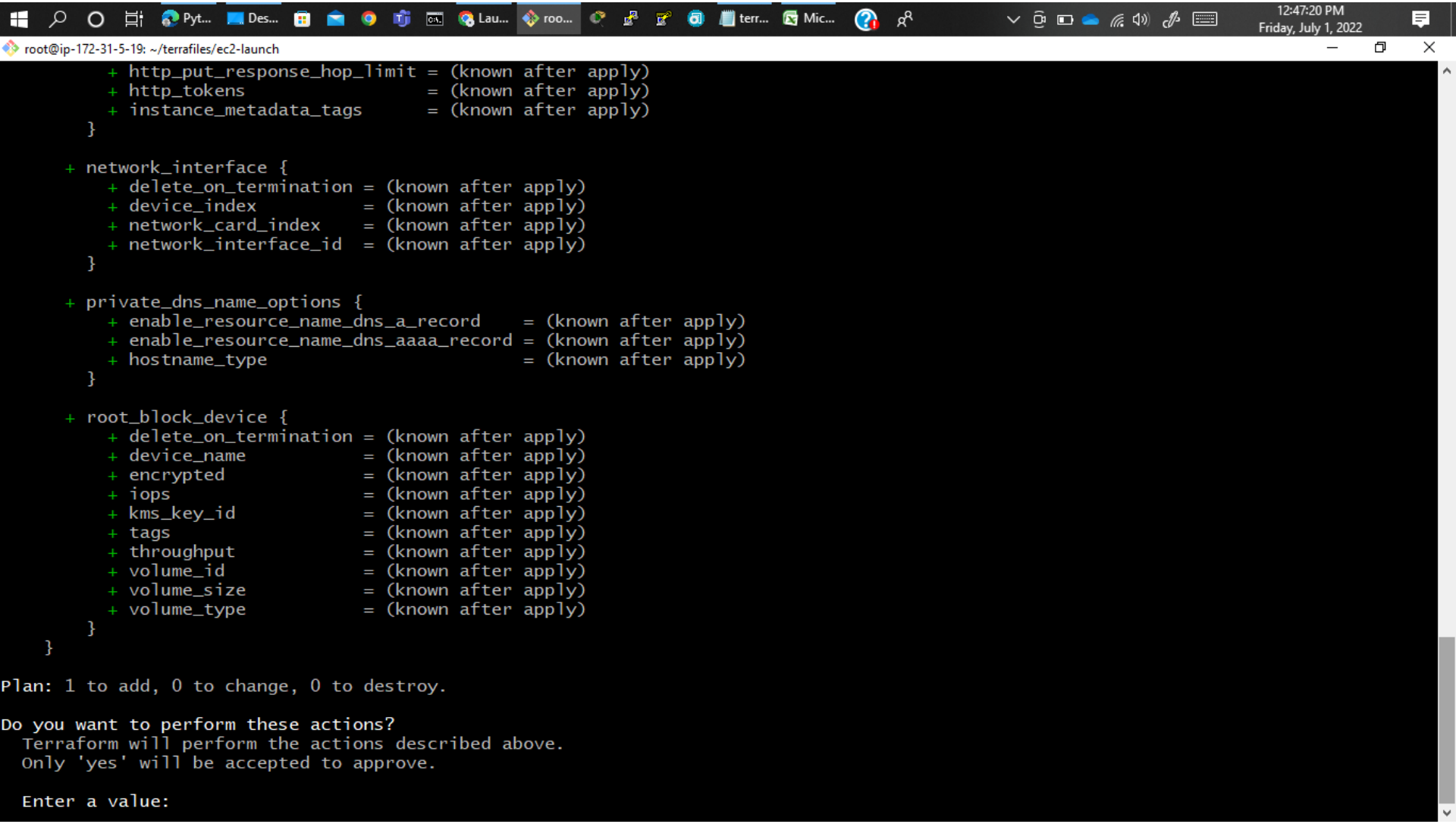
# Terraform plan



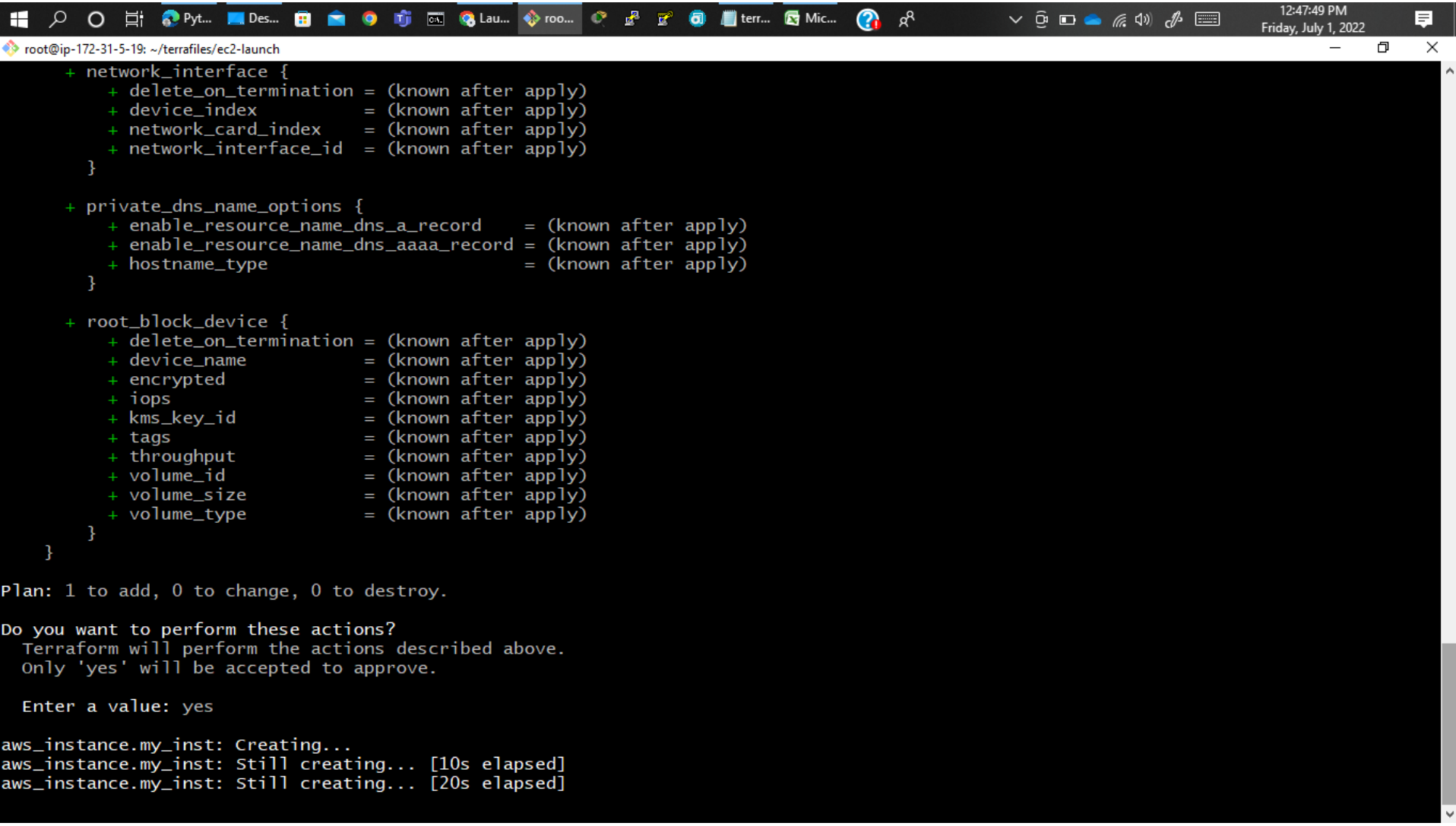

**Terraform plan it shows the whats the plans for launch ec2**

# Terraform Apply :-apply the changes

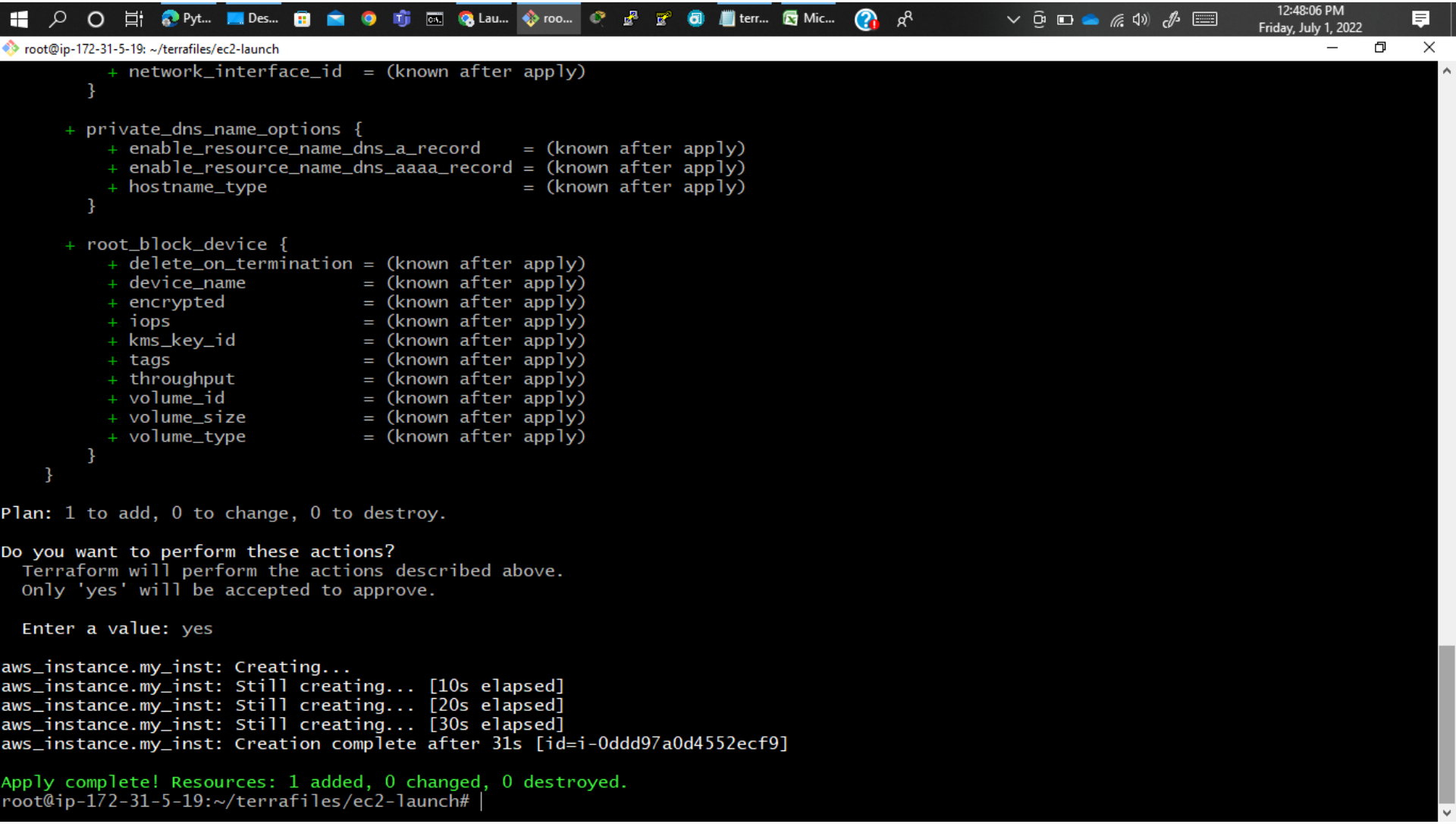



12:47:20 PM
Friday, July 1, 2022
root@ip-172-31-5-19: ~/terrafiles/ec2-launch
+ http_put_response_hop_limit = (known after apply)
+ http_tokens = (known after apply)
+ instance_metadata_tags = (known after apply)
}
+ network_interface {
+ delete_on_termination = (known after apply)
+ device_index = (known after apply)
+ network_card_index = (known after apply)
+ network_interface_id = (known after apply)
}
+ private_dns_name_options {
+ enable_resource_name_dns_a_record = (known after apply)
+ enable_resource_name_dns_aaaa_record = (known after apply)
+ hostname_type = (known after apply)
}
+ root_block_device {
+ delete_on_termination = (known after apply)
+ device_name = (known after apply)
+ encrypted = (known after apply)
+ iops = (known after apply)
+ kms_key_id = (known after apply)
+ tags = (known after apply)
+ throughput = (known after apply)
+ volume_id = (known after apply)
+ volume_size = (known after apply)
+ volume_type = (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:

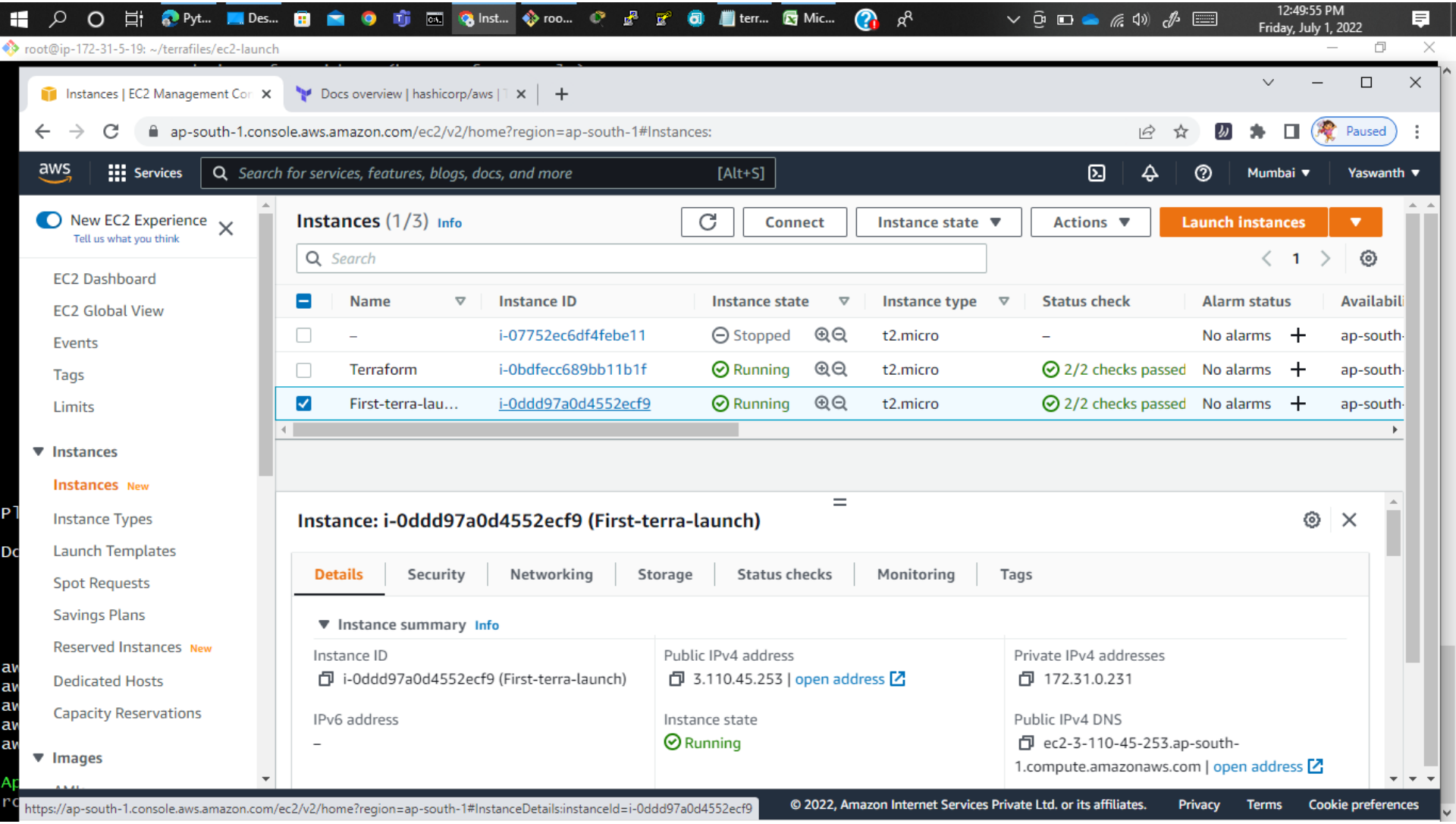
# Apply changes :--Yes



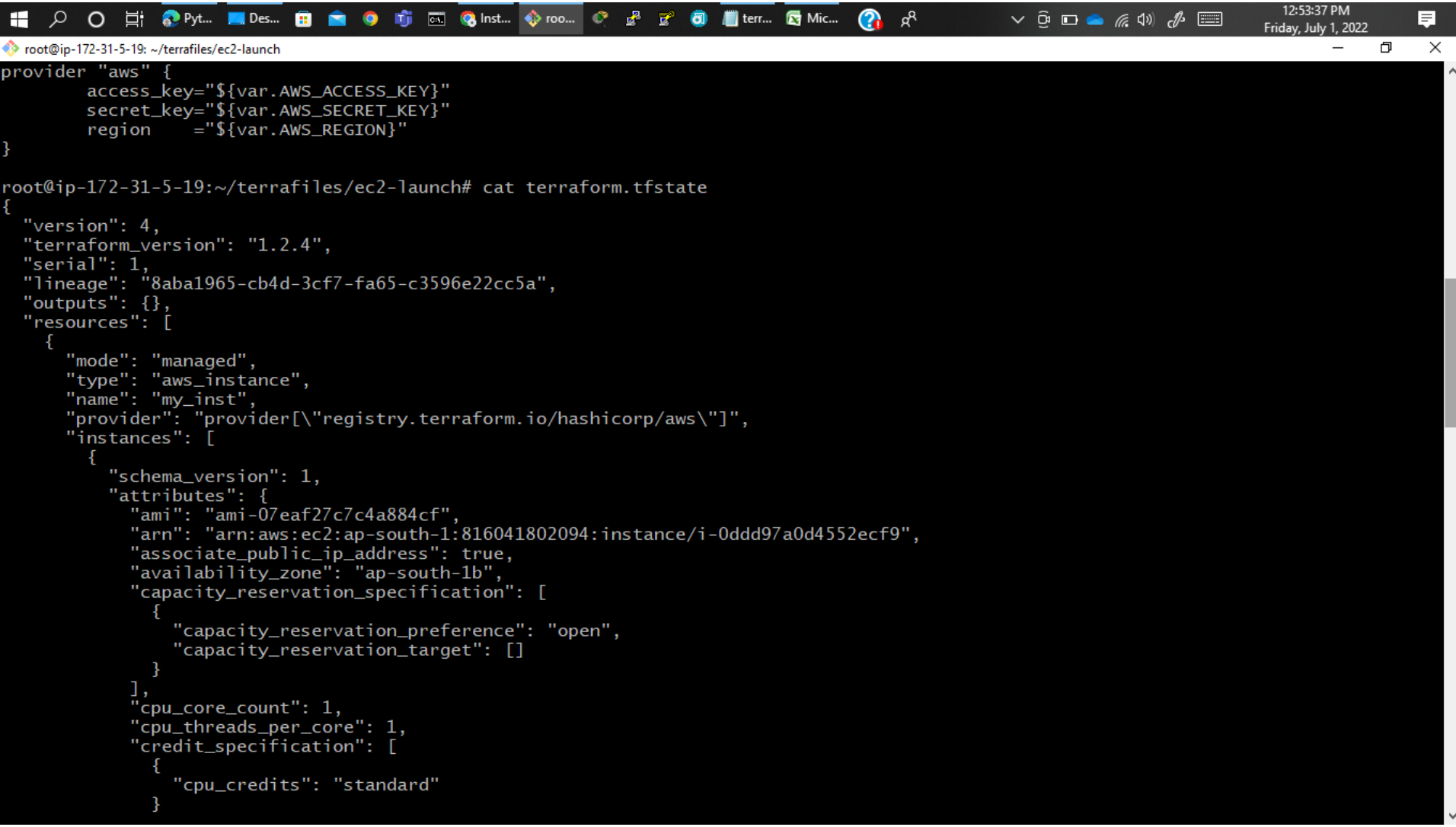
# Apply changes successfully



# Ec2 instance launched successfully

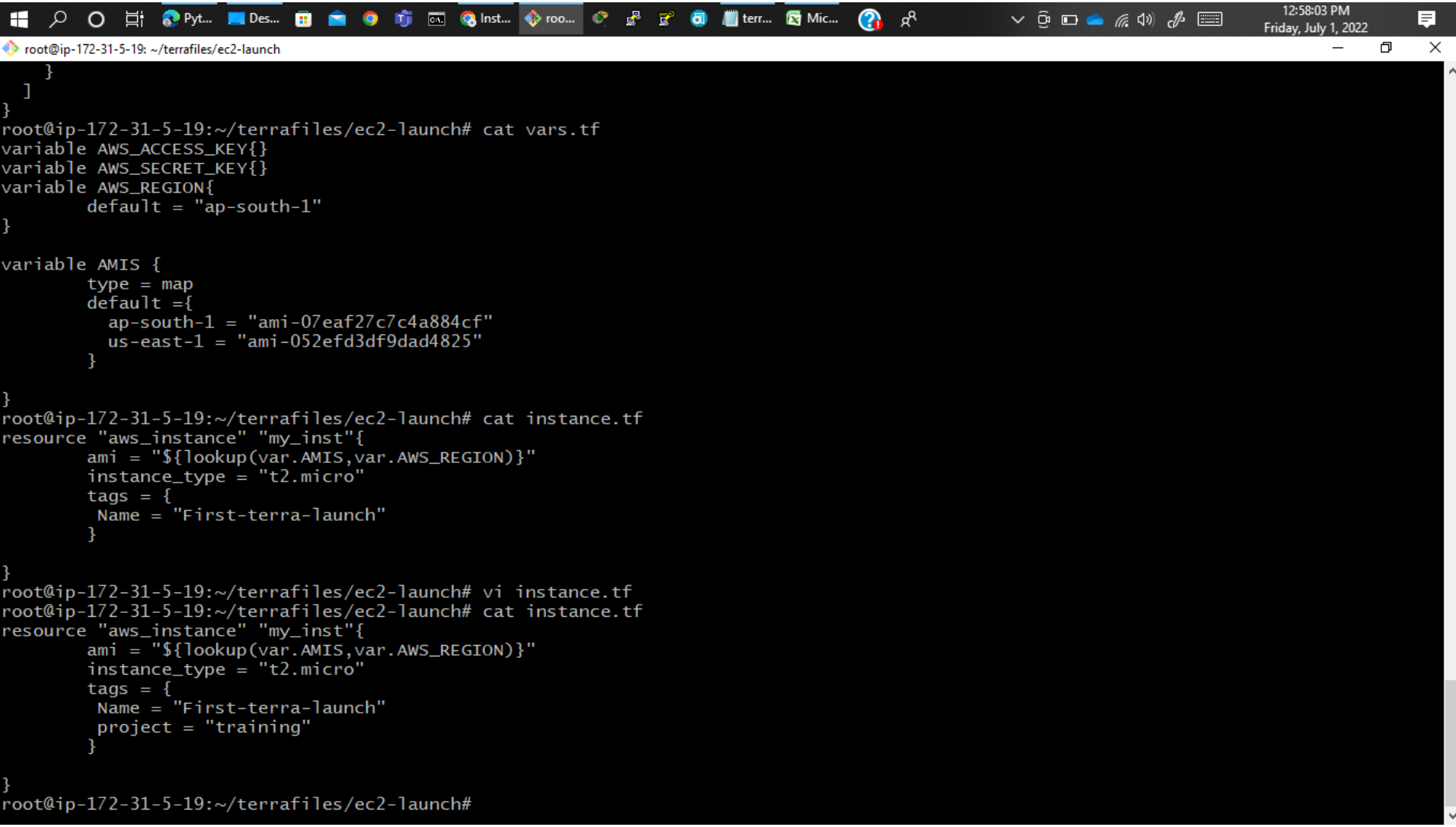


# After launch new instance using terraform new file will be created :---terraform.tfstate

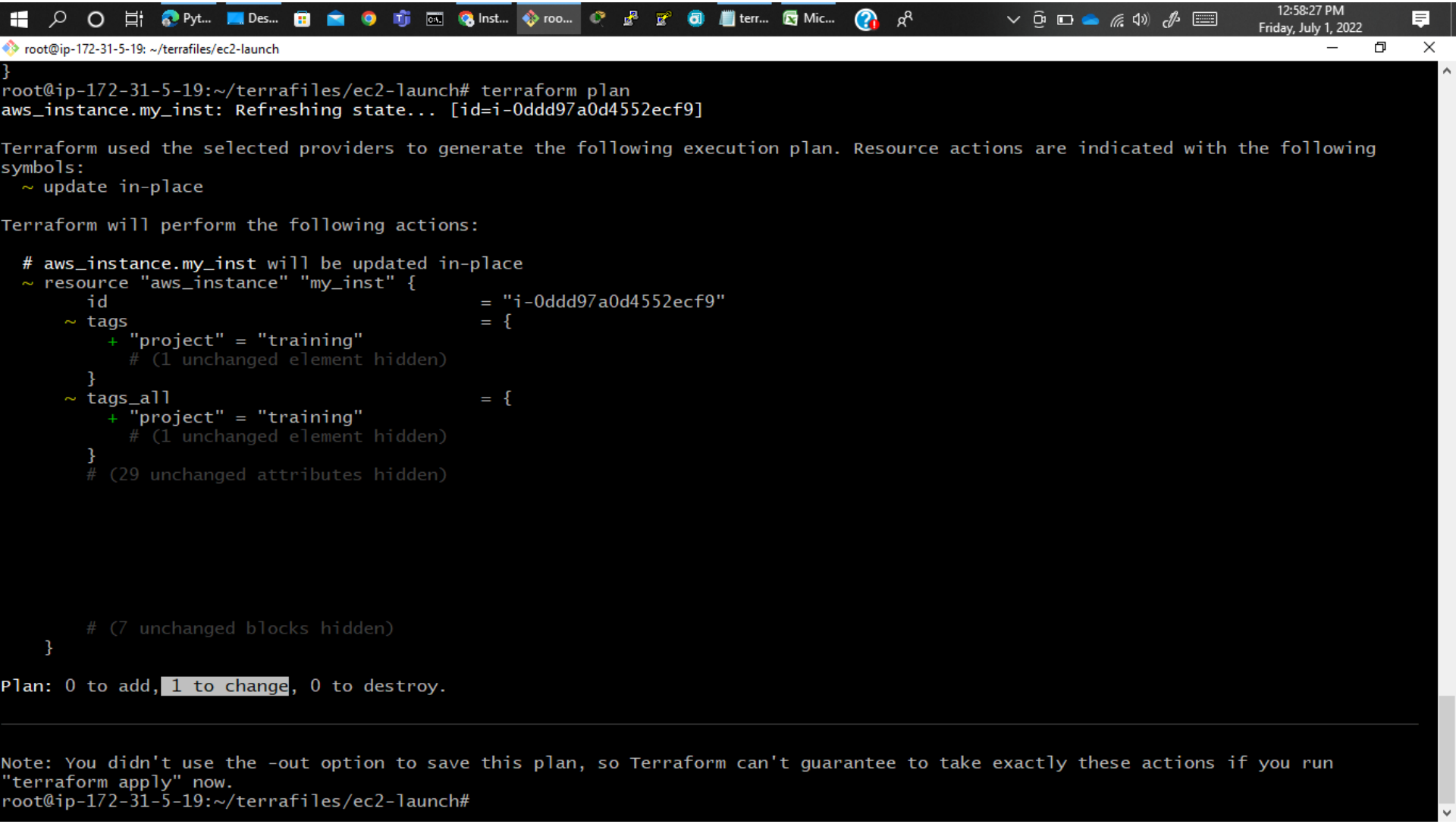



## Tfstate file give all info about your instace

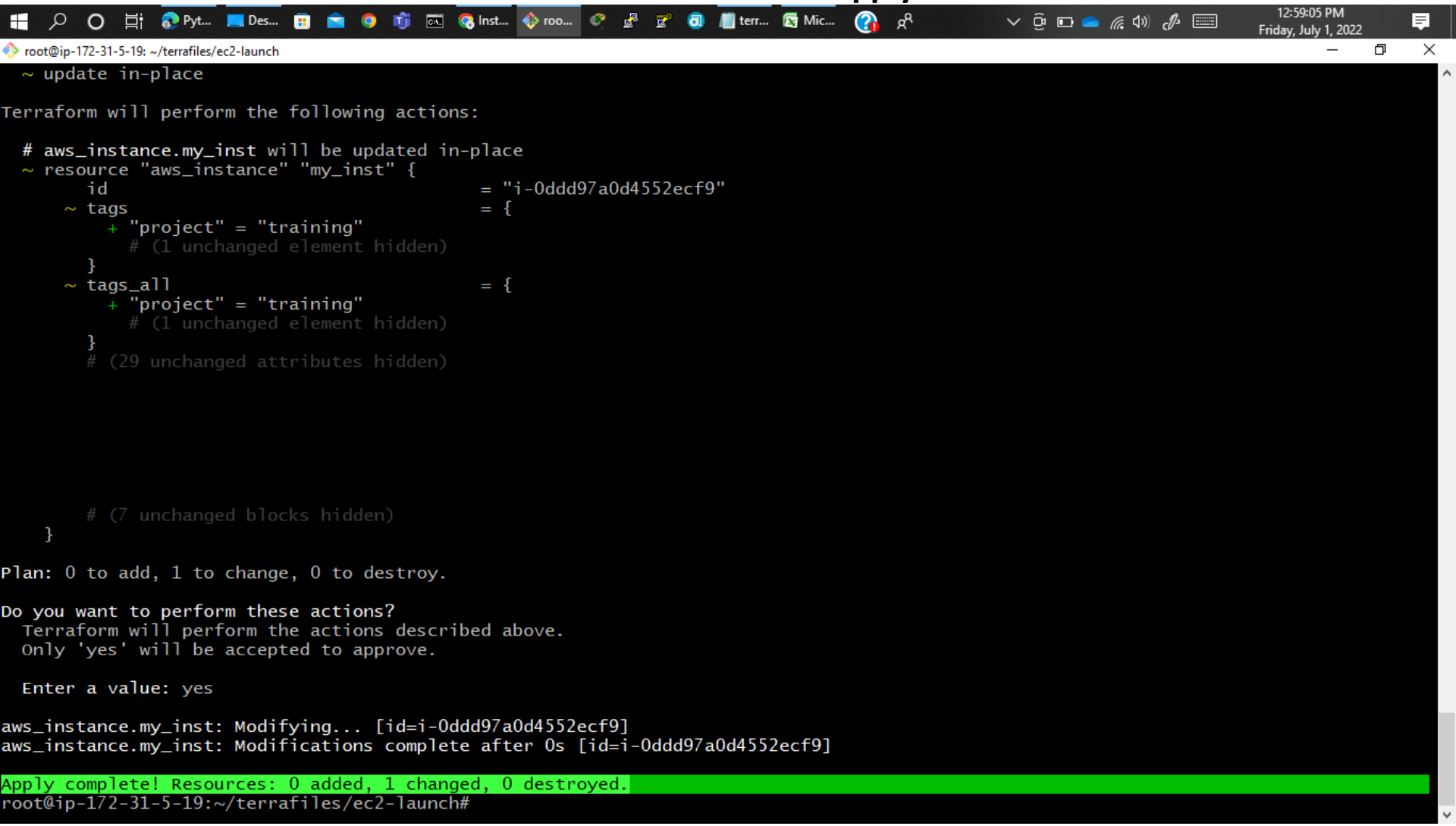
# Do some cheanges in vars.tf file



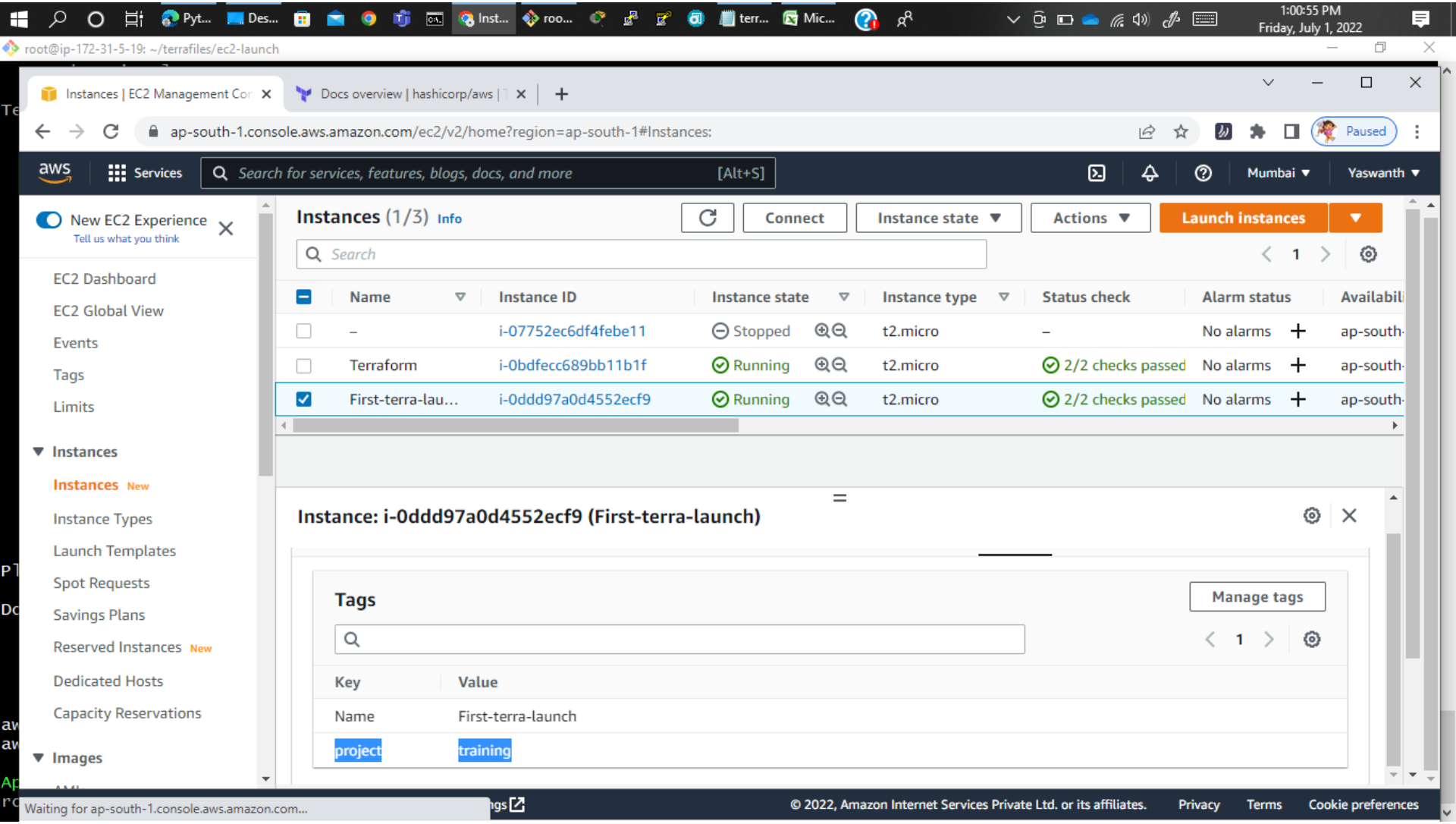
# After changes plan and apply
# Terraform plan



**Appaly the changes**
**:::Terraform apply**



# Changes will be applied successfully!!!!
# Here is the proof

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