Module-11: Provisioning Infrastructure using Terraform Part-I

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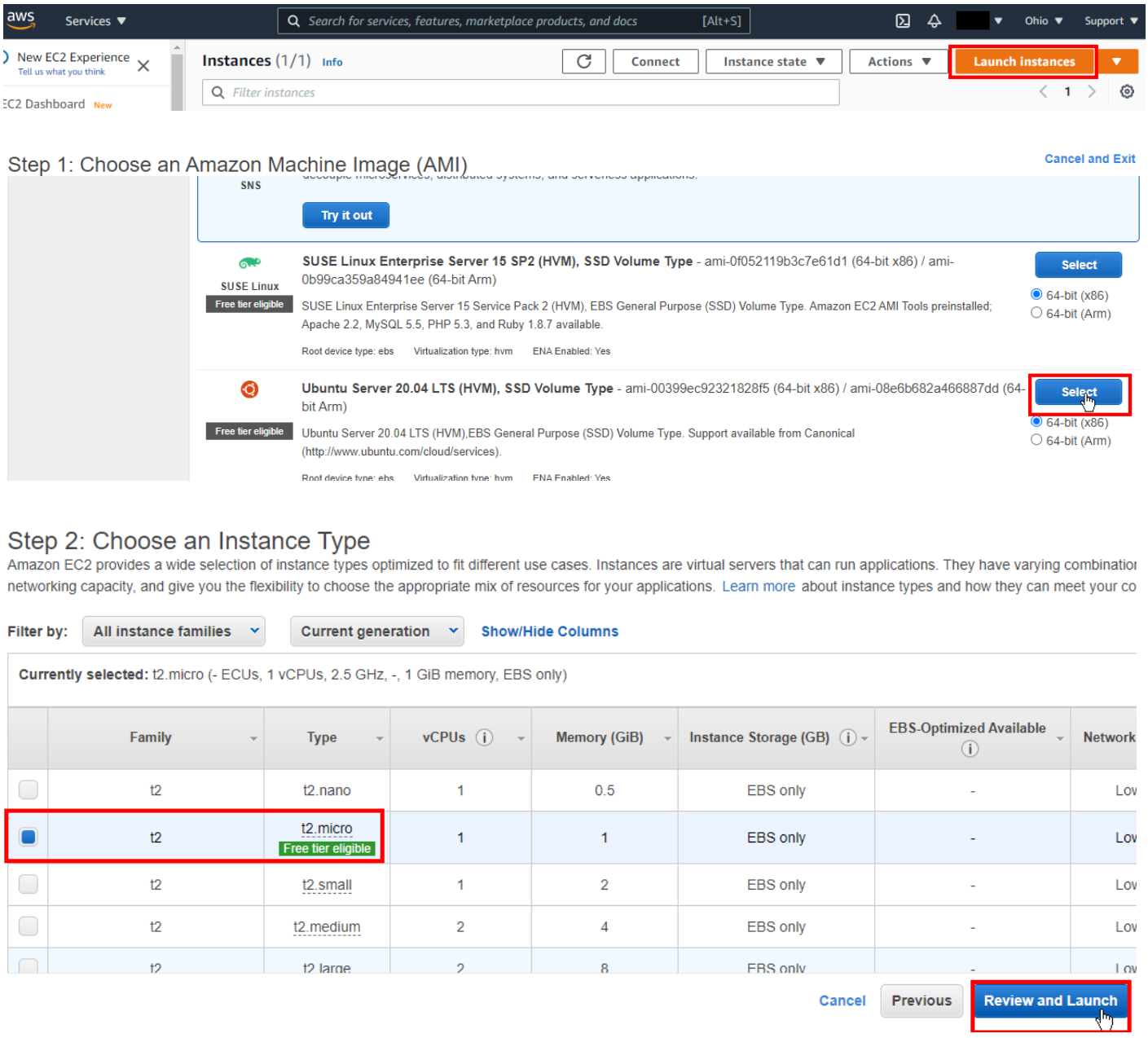
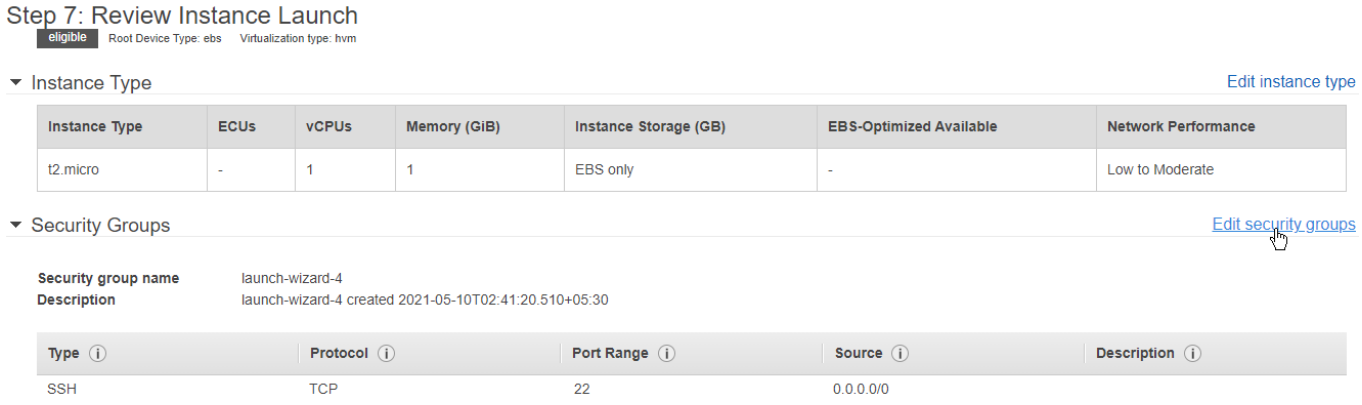
DEMO-2: Installing Terraform

Instance Setup

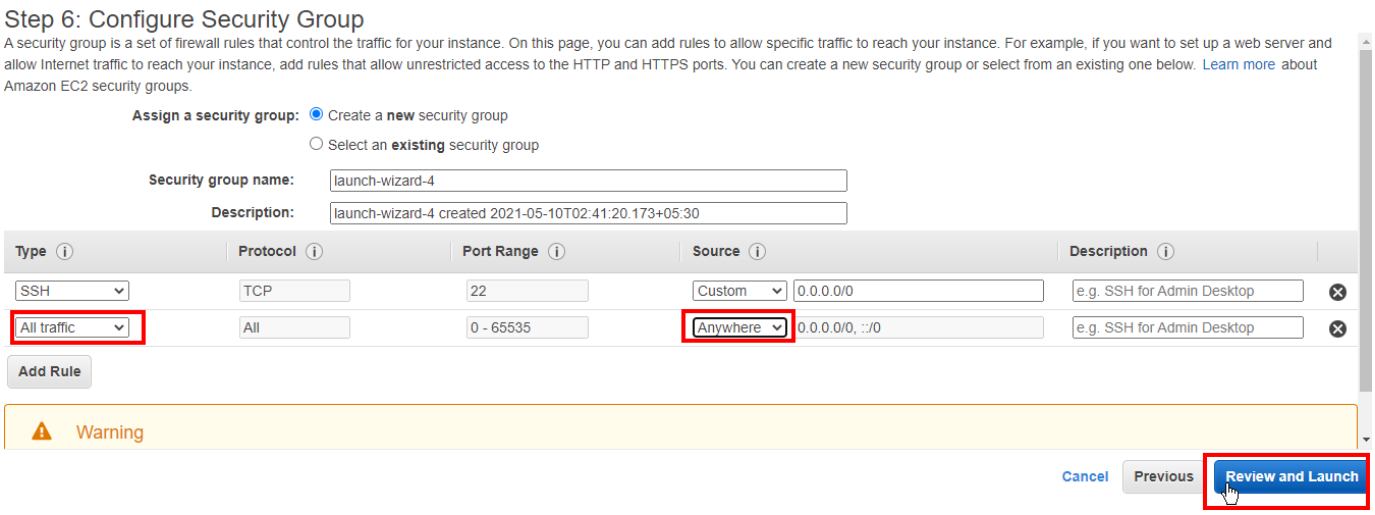
1. Start a new Ubuntu EC2 Instance in AWS console



Edit Security Groups for the Instance and add a rule to allow all traffic

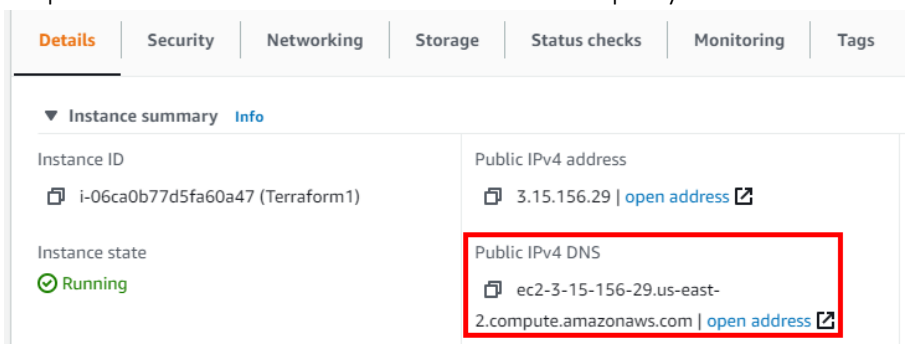


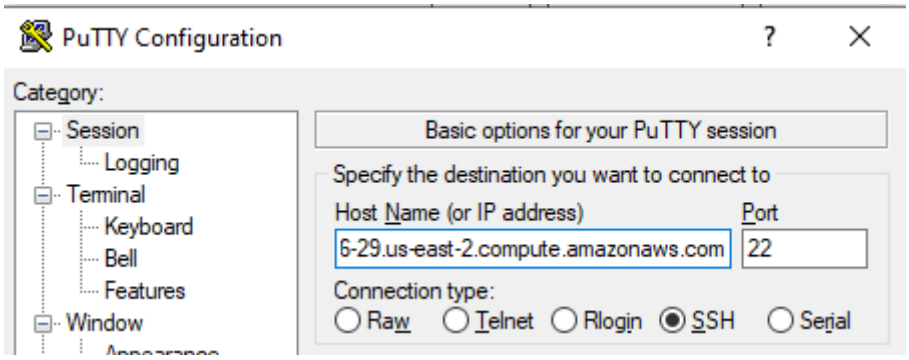
Click on Review and Launch

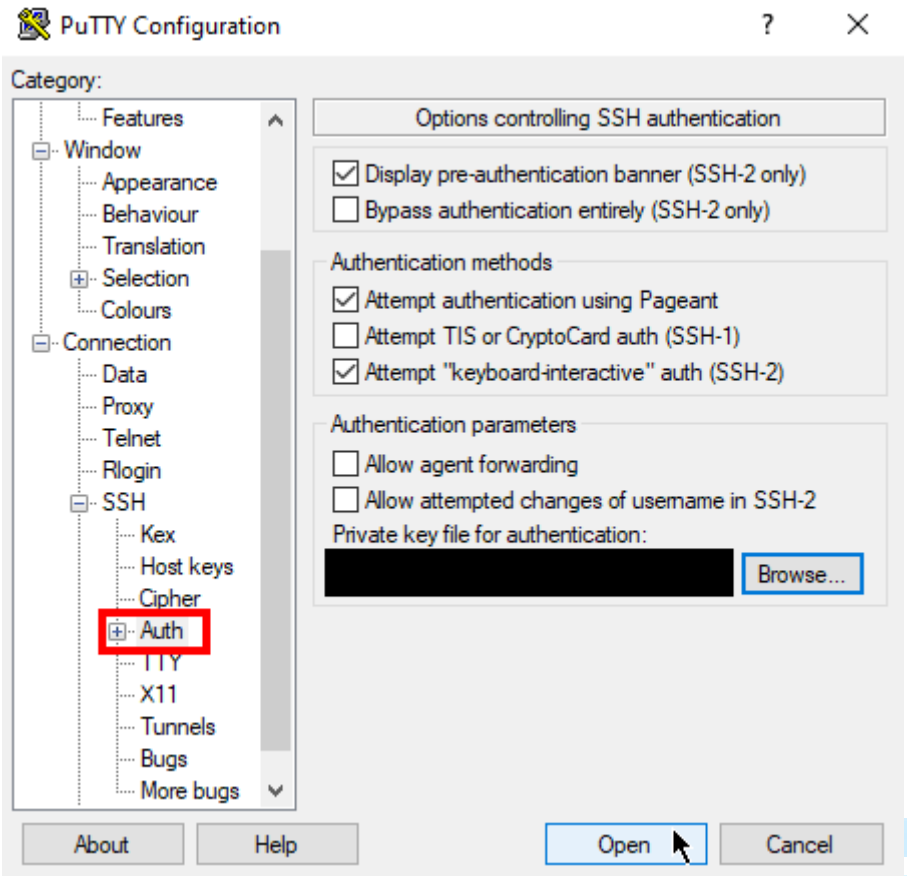


Start the instance using Putty

Copy and paste the Public IPv4 DNS of the instance in putty







Installing Terraform

2. Ensure that gnupg and software-properties-common packages are installed

   Syntax: sudo apt-get update && sudo apt-get install -y gnupg software-properties-common curl

3. Add the Hashicorp GPG key:

   Syntax: curl -fsSL https://apt.releases.hashicorp.com/gpg | sudo apt-key add –

```
ubuntu@ip-172-31-19-127:~$ curl -fsSL https://apt.releases.hashicorp.com/gpg | sudo apt-key add -
OK
```

4. Add the hashicorp Linux repository

   Syntax: sudo apt-add-repository "deb [arch=amd64] https://apt.releases.hashicorp.com $(lsb_release -cs) main"

```
ubuntu@ip-172-31-19-127:~$ sudo apt-add-repository "deb [arch=amd64] https://apt.releases.hashicorp.com $(lsb_release -cs)
main"
Hit:1 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal InRelease
Hit:2 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates InRelease
Hit:3 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-backports InRelease
Get:4 https://apt.releases.hashicorp.com focal InRelease [4419 B]
Hit:5 http://security.ubuntu.com/ubuntu focal-security InRelease
Get:6 https://apt.releases.hashicorp.com focal/main amd64 Packages [23.1 kB]
Fetched 27.5 kB in 0s (58.8 kB/s)
Reading package lists... Done
```

5. Update the repository and install the Terraform CLI

   Syntax: sudo apt-get update && sudo apt-get install terraform

```
ubuntu@ip-172-31-19-127:~$ sudo apt-get update && sudo apt-get install terraform
Hit:1 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal InRelease
Hit:2 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-updates InRelease
Hit:3 http://us-east-2.ec2.archive.ubuntu.com/ubuntu focal-backports InRelease
Hit:4 https://apt.releases.hashicorp.com focal InRelease
Hit:5 http://security.ubuntu.com/ubuntu focal-security InRelease
Reading package lists... Done
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
  terraform
```

6. Verify the Installation

   Syntax: terraform -v

```
ubuntu@ip-172-31-19-127:~$ terraform --version
Terraform v0.15.3
on linux_amd64
```