Module-11: Provisioning Infrastructure using Terraform Part-I

Demo Document - 2

edureka!

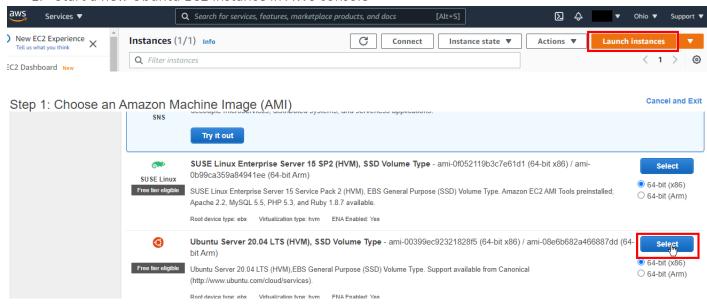


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DEMO-2: Installing Terraform

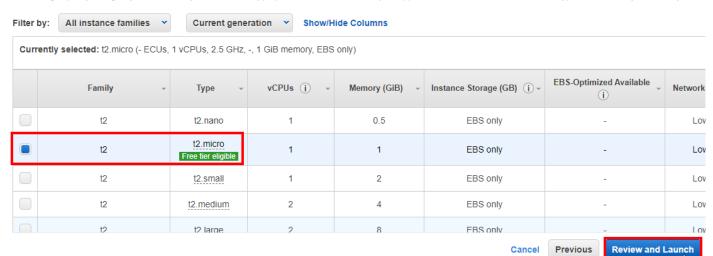
Instance Setup

1. Start a new Ubuntu EC2 Instance in AWS console



Step 2: Choose an Instance Type

Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combination networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. Learn more about instance types and how they can meet your co



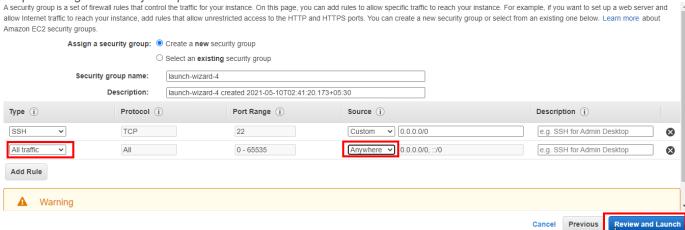
Edit Security Groups for the Instance and add a rule to allow all traffic

Edit instance type ▼ Instance Type Instance Type ECUs vCPUs Memory (GiB) Instance Storage (GB) EBS-Optimized Available Network Performance t2.micro 1 FBS only Low to Moderate Security Groups Edit security groups Security group name launch-wizard-4 Description launch-wizard-4 created 2021-05-10T02:41:20.510+05:30 Type (i) Description (i) Protocol (i) Port Range (i) Source (i) SSH TCP 0.0.0.0/0

Click on Review and Launch

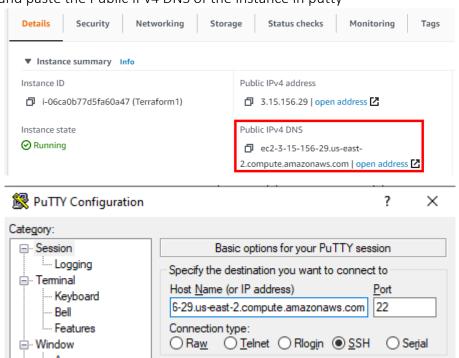
Step 7: Review Instance Launch

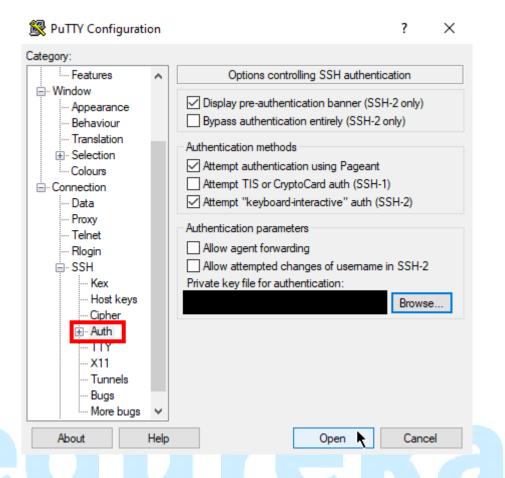
Step 6: Configure Security Group



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

