Amazon Web Services

**EC2 - Linux**

# EC2 - Introduction

* EC2 stands for Amazon Elastic Compute Cloud.
* It is a web service that provides secure, scalable computing capacity in the cloud.
* It is a virtual server in Amazon's Elastic Compute Cloud (EC2) for running applications on the Amazon Web Services (AWS) infrastructure.
* Amazon EC2 currently supports a variety of operating systems including: Amazon Linux, Ubuntu, Windows Server, Red Hat Enterprise Linux, Fedora, Debian, CentOS, Oracle Linux, FreeBSD, and Mac OS

# EC2 – Linux

* Select EC2 Service
* Click on Launch Instances
* Enter the Name
* Choose Amazon Machine Image (AMI) (Amazon Linux)
* Choose an Instance Type (t2.micro)
* Click on Create New Key Pair
* Enter the name

# EC2 – Linux

* Select the Key pair type as RSA
* Select Private Key file format as .pem
* Click on Create key pair
* Enable SSH Port
* Select Configure storage
* Click on launch Instances

# EC2 – Linux

* Download Putty & Puttygen
* Generate PPK File Using Puttygen
* Select the EC2 Machine & Click on connect
* Go to SSH Client

# EC2 – Linux

* Note down the host name
* Open putty
* Enter the Host name
* Attach PPK File with Putty
* Click on open
* Click on Accept

# EC2 – Linux (EC2 Instance Connect)

* Select the EC2 Machine & Click on connect
* Go to EC2 Instance Connect
* Note down the Public IPV4 Address
* Open Putty Enter IP Address
* Attach PPK File File
* Click on open
* Enter User name (ec2-user)

# Terminate/ Stop the Instance

* Select the Instance

Instance State

Stop Instance / Terminate Instance

* Click on Stop/ Terminate

# EC2

* **Security Group**: A security group acts as a virtual firewall for your EC2 instances to control incoming and outgoing traffic.
  + Inbound rules control the incoming traffic to your instance, and outbound rules control the outgoing traffic from your instance.
* **Key Pair**: A key pair, consisting of a public key and a private key, is a set of security credentials that you use to prove your identity when connecting to an Amazon EC2 instance.