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# AWS Lab 1

Launching, Verifying, Connecting and Terminating Instance

## Overview of the Lab

In this lab you will learn how to launch an EC2 windows instance.

### EC2

It is a web service that provides resizable compute capacity in cloud

### Instance

It is a virtual server (VM) in aws cloud

### Instance Type

Specification of instance.

e.g., t2.micro – 1vcpu and 1GB RAM

### Amazon Machine Image (AMI)

It is the template which contains the operating system and application to launch instance

### Security Group

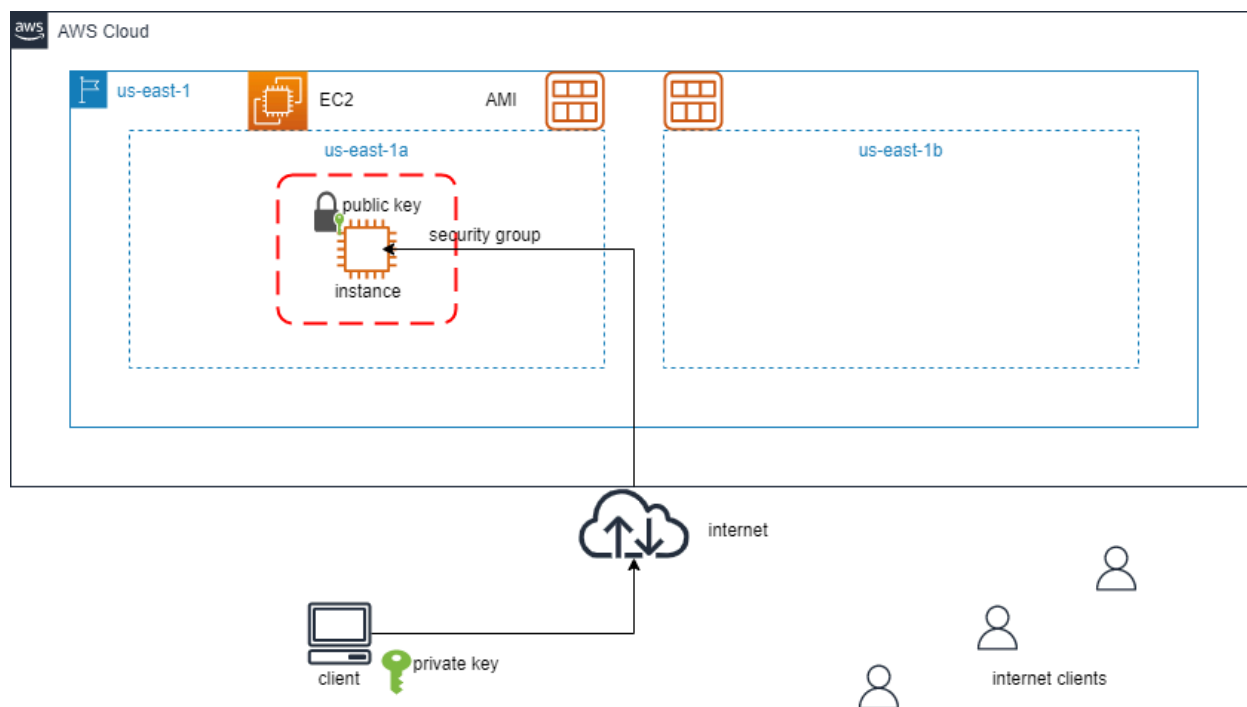
It is a firewall for EC2 instance that controls traffic in and out

### Key Pair

pair of keys (Private and Public Key) to securely connect to instance

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## Architecture of the Lab



## Step by Step Lab

1. [Login](#) to aws cloud account via the aws management console
2. Select [us-east-1](#) region (you can choose any region of your choice)
3. Search for EC2 and in EC2 management console, launch instance
  - 3.1. Name and tag – [windows](#)
  - 3.2. Application and OS Images – [windows](#)
  - 3.3. Instance type - [t2.micro](#)
4. Key pair – [Create new key pair](#)
  - 4.1. Key pair name - [awsclass-nv-kp](#)

#### 4.2. Click on [Create key pair](#)

### 5. Edit Network settings

- a. Subnet – subnet in us-east-1a (even no preference is fine)
- b. Firewall – [Create security group](#)
  - i. [Security group name](#) - awsclass-nv-sg (make sure rdp is allowed)
- c. Number of instances - [1](#)

(Leave all other settings as default and launch instance)

- d. Once the instance is launched

5.1 Wait for instance state – [running](#)

5.2 Wait for [status check](#) – 2/2

1. Connecting to instance from local computer
  - 1.1. Select instance and connect
  - 1.2. In RDP client get password by uploading the private key
2. Using Remote desktop connection application using the following connect to remote instance
  - [Public dns name / ip address](#)
  - [Username – Administrator](#)
  - [Password](#)

### Clean Up Step

1. Select the instance and [terminate it](#)
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