SEIS 615-03 EC2 Instance Creation

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# How to Create an EC2 Instance

The following parts and steps create a basic instance in AWS.

## Part 1

1. Click on AWS icon
2. Search for EC2 in search box
3. Click on EC2 service box
4. Find red colored Launch instance button on EC2 Dashboard page
   1. Click on Launch instance button
   2. Scroll to Launch instance (note: it is the only available option)
   3. Click on Launch instance

## Part 2

1. In Step 1, select Amazon Linux 2 AMI (note: 64-bit (x86) is default)
2. In Step 2, choose the default, “Free tier eligible,” instance type
   1. Click on Next: Configure Instance Details
3. In Step 3, use default settings
   1. Click on Next: Add Storage
4. In Step 4, use default settings
   1. Click on Next: Add Tags
5. In Step 5, click on Add Tag button to add key-value meta data row to EC2 instance
   1. Insert key and value pair, for example,
      1. key = Instance Name, value = EC2 Lab
      2. key = Graduate Course, value = DevOps and Cloud Infrastructure
   2. Keep default checks
   3. Click on Next: Configure Security Group
6. In Step 6, change default settings
   1. Locate Security group name
      1. Change default name to SSH
   2. Find Description
      1. Replace “launch-wizard-2” with Open port 22
   3. Locate Source column
      1. Change Custom to Anywhere in dropdown
   4. Click on Review and Launch
7. In Step 7, review EC2 Instance information
   1. Click on Launch
      1. Click on dropdown
      2. Select “Create a new key pair”
      3. Create unique key pair name (note: avoid hyphens or spaces)
      4. Click on Download Key Pair
      5. Save file in Downloads folder (note: provides easier access for classroom and homework activities)
      6. Click on Launch Instances

## Part 3

1. Click on View Instances

A basic EC2 instance is created and is accessible in Instances. For further information, refer to the appropriate video lecture and AWS documentation.