

Step 1:

The screenshot shows the first step of the AWS Launch Instance wizard. It includes sections for selecting the instance type (t2.micro), specifying a key pair (assigns), and defining network settings (Subnet: vpc-0c0b45f42c2ca5abc). A summary panel on the right indicates 1 instance will be launched using the Canonical, Ubuntu, 24.04 LTS AMI.

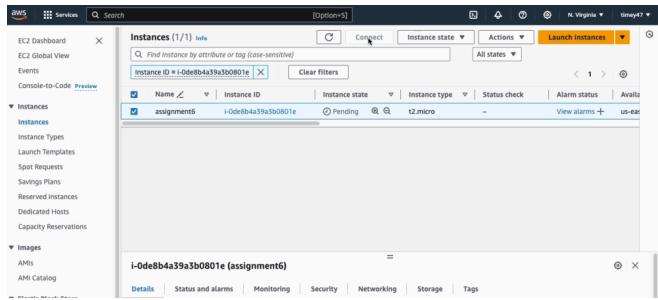
Step 2:

The screenshot shows the second step of the wizard, focusing on naming the instance (assignment6) and selecting the AMI (Ubuntu Server 24.04 LTS (HVM), SSD Volume Type). The summary panel on the right remains the same, showing 1 instance launch.

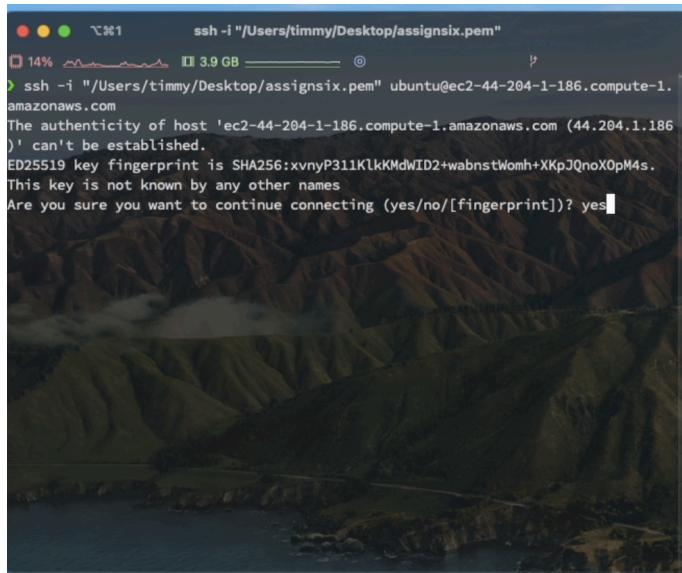
Step 3:

The screenshot shows the third step of the wizard, where a new security group (launch-wizard-5) is being created. It allows traffic from anywhere for SSH and HTTPS. The summary panel on the right shows the configuration: 1 instance, Canonical, Ubuntu, 24.04 LTS AMI, t2.micro instance type, and 1 volume (8 GB gp3).

Step 4



Step 5 - accessing AWS machine through local machine



Step 6 - cloning GitHub Directory

ubuntu@ip-172-31-89-185:~/AI-101-Bootcamp-June-2024\$ git clone https://github.com/EvolveNextGen/AI-101-Bootcamp-June-2024.git
Cloning into 'AI-101-Bootcamp-June-2024'...
remote: Enumerating objects: 299, done.
remote: Counting objects: 100% (166/166), done.
remote: Compressing objects: 100% (137/137), done.
remote: Total 299 (delta 60), reused 39 (delta 13), pack-reused 133
Receiving objects: 100% (299/299), 6.91 MiB | 16.04 MiB/s, done.
Resolving deltas: 100% (102/102), done.
ubuntu@ip-172-31-89-185:~\$ ls
AI101 Bootcamp - Jun2024
ubuntu@ip-172-31-89-185:~\$ cd AI-101-Bootcamp-June-2024/
ubuntu@ip-172-31-89-185:~/AI-101-Bootcamp-June-2024\$ cd Assignment6
ubuntu@ip-172-31-89-185:~/AI-101-Bootcamp-June-2024\$

A screenshot of a terminal window titled "Terminal 1". The terminal shows the command "git clone https://github.com/EvolveNextGen/AI-101-Bootcamp-June-2024.git" being run and completed successfully. The directory structure "Assignment6" is visible in the current working directory. To the right of the terminal, there is a small sidebar with a profile picture and a message from "kumar_durgesh" about cloning the repository.

Step 7 - Installing Apache2

ubuntu@ip-172-31-89-185:~/AI-101-Bootcamp-June-2024\$ sudo cp index.html /var/www/html/index.html
cp: cannot create regular file '/var/www/html/index.html': No such file or directory
ubuntu@ip-172-31-89-185:~/AI-101-Bootcamp-June-2024\$ sudo apt-get update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
0% [Working]

A screenshot of a terminal window titled "Terminal 1". The user runs "sudo cp index.html /var/www/html/index.html" which fails because the directory does not exist. Then, "sudo apt-get update" is run, showing progress and download details for packages from the Ubuntu archive.

Step 8

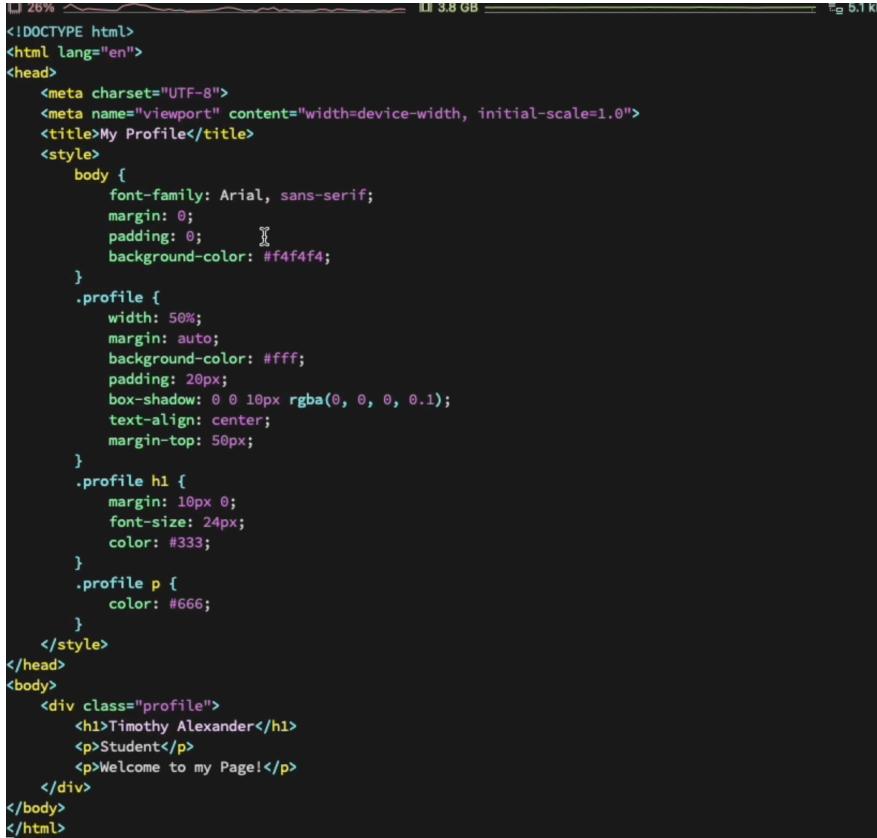
```
ubuntu@ip-172-31-89-185:~/AI-101-Bootcamp-June-2024/Assignment6
Get:29 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [4076 B]
Get:30 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [303 kB]
Get:31 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [128 kB]
Get:32 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [45.0 kB]
Get:33 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [7208 B]
Get:34 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [184 kB]
Get:35 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [36.0 kB]
Get:36 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 c-n-f Metadata [416 B]
Get:37 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Packages [14.1 kB]
Get:38 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse Translation-en [3608 B]
Get:39 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [212 B]
Get:40 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 c-n-f Metadata [532 B]
Get:41 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [208 B]
Get:42 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 c-n-f Metadata [112 B]
Get:43 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Packages [11.4 kB]
Get:44 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe Translation-en [10.5 kB]
Get:45 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [17.6 kB]
Get:46 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 c-n-f Metadata [988 B]
Get:47 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 B]
Get:48 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 c-n-f Metadata [116 B]
Get:49 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]
Get:50 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 c-n-f Metadata [116 B]
Fetched 28.0 MB in 5s (5122 kB/s)
Reading package lists... Done
ubuntu@ip-172-31-89-185:~/AI-101-Bootcamp-June-2024/Assignment6$ sudo apt-get install apache2 -y
```

Step 9

```
ubuntu@ip-172-31-89-185:~/AI-101-Bootcamp-June-2024/Assignment6$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: enabled)
   Active: active (running) since Wed 2024-07-24 18:01:21 UTC; 53s ago
     Docs: https://httpd.apache.org/docs/2.4/
 Main PID: 2550 (apache2)
    Tasks: 55 (limit: 1130)
   Memory: 5.3M (peak: 5.5M)
      CPU: 40ms
     CGroup: /system.slice/apache2.service
             └─2550 /usr/sbin/apache2 -k start
                  ├─2553 /usr/sbin/apache2 -k start
                  ├─2554 /usr/sbin/apache2 -k start
                  └─2555 /usr/sbin/apache2 -k start

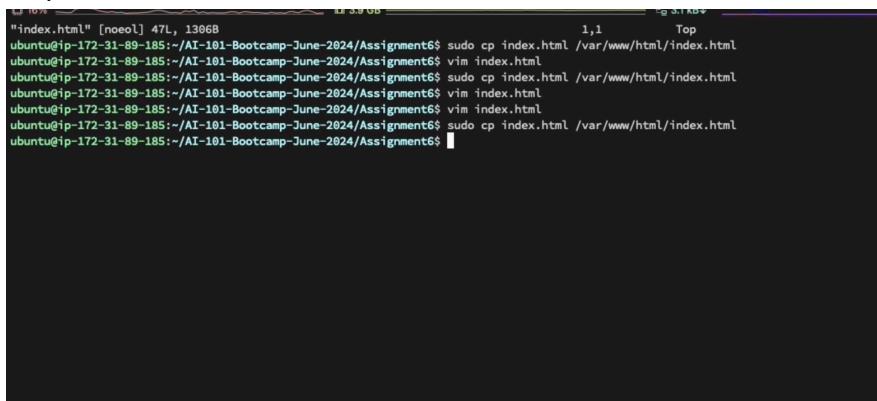
Jul 24 18:01:21 ip-172-31-89-185 systemd[1]: Starting apache2.service - The Apache HTTP Server...
Jul 24 18:01:21 ip-172-31-89-185 systemd[1]: Started apache2.service - The Apache HTTP Server.
ubuntu@ip-172-31-89-185:~/AI-101-Bootcamp-June-2024/Assignment6$ sudo systemctl start apache2
ubuntu@ip-172-31-89-185:~/AI-101-Bootcamp-June-2024/Assignment6$
```

Step 10 - Edit HTML File using VIM



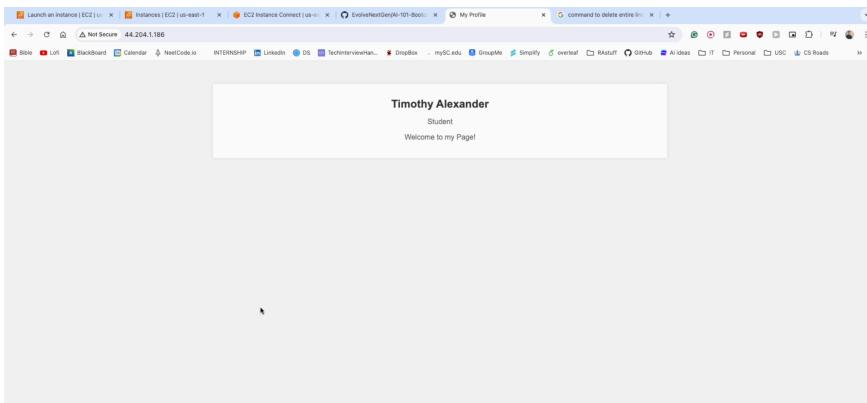
```
28% 3.8 GB 5.1 KB
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>My Profile</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            margin: 0;
            padding: 0;
            background-color: #f4f4f4;
        }
        .profile {
            width: 50%;
            margin: auto;
            background-color: #fff;
            padding: 20px;
            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
            text-align: center;
            margin-top: 50px;
        }
        .profile h1 {
            margin: 10px 0;
            font-size: 24px;
            color: #333;
        }
        .profile p {
            color: #666;
        }
    </style>
</head>
<body>
    <div class="profile">
        <h1>Timothy Alexander</h1>
        <p>Student</p>
        <p>Welcome to my Page!</p>
    </div>
</body>
</html>
```

Step 11



```
"index.html" [noeol] 47L, 1306B 1,1 Top
ubuntu@ip-172-31-89-185:/AI-101-Bootcamp-June-2024/Assignment$ sudo cp index.html /var/www/html/index.html
ubuntu@ip-172-31-89-185:/AI-101-Bootcamp-June-2024/Assignment$ vim index.html
ubuntu@ip-172-31-89-185:/AI-101-Bootcamp-June-2024/Assignment$ sudo cp index.html /var/www/html/index.html
ubuntu@ip-172-31-89-185:/AI-101-Bootcamp-June-2024/Assignment$ vim index.html
ubuntu@ip-172-31-89-185:/AI-101-Bootcamp-June-2024/Assignment$ vim index.html
ubuntu@ip-172-31-89-185:/AI-101-Bootcamp-June-2024/Assignment$ sudo cp index.html /var/www/html/index.html
ubuntu@ip-172-31-89-185:/AI-101-Bootcamp-June-2024/Assignment$ vim index.html
ubuntu@ip-172-31-89-185:/AI-101-Bootcamp-June-2024/Assignment$
```

Step 12 - website



Step 13 - Terminate Instance

