Advance AWS

AWS Project: Lifecycle Effects on Instance

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Teacher:

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Course:

Advance AWS Cloud Computing with DevOps
Fundamentals

Institute:

Lets Upgrade

Project: Life Cycle Effects on Instance

Steps Covered

In all the steps we will be checking the Public IP, Private IP & Installed Applications status

STEP A: Details of running instance
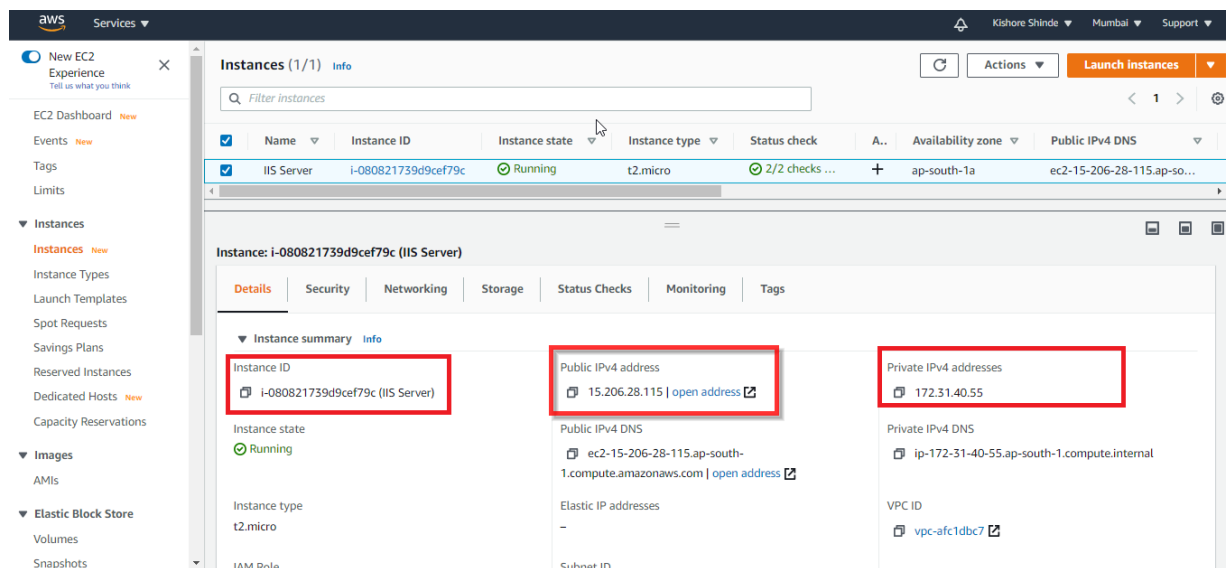
STEP B: Stop running instance
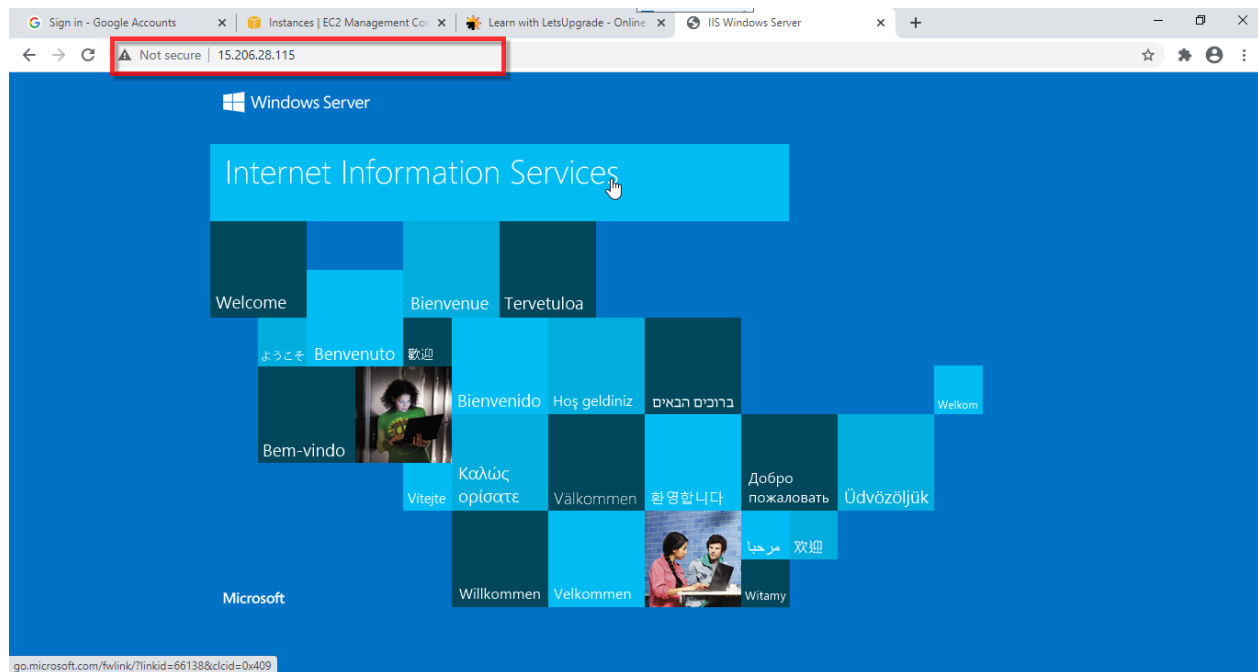
STEP C: Start stopped instance

STEP D: Restarting / Rebooting instance

STEP E: Terminate EC2 Instance

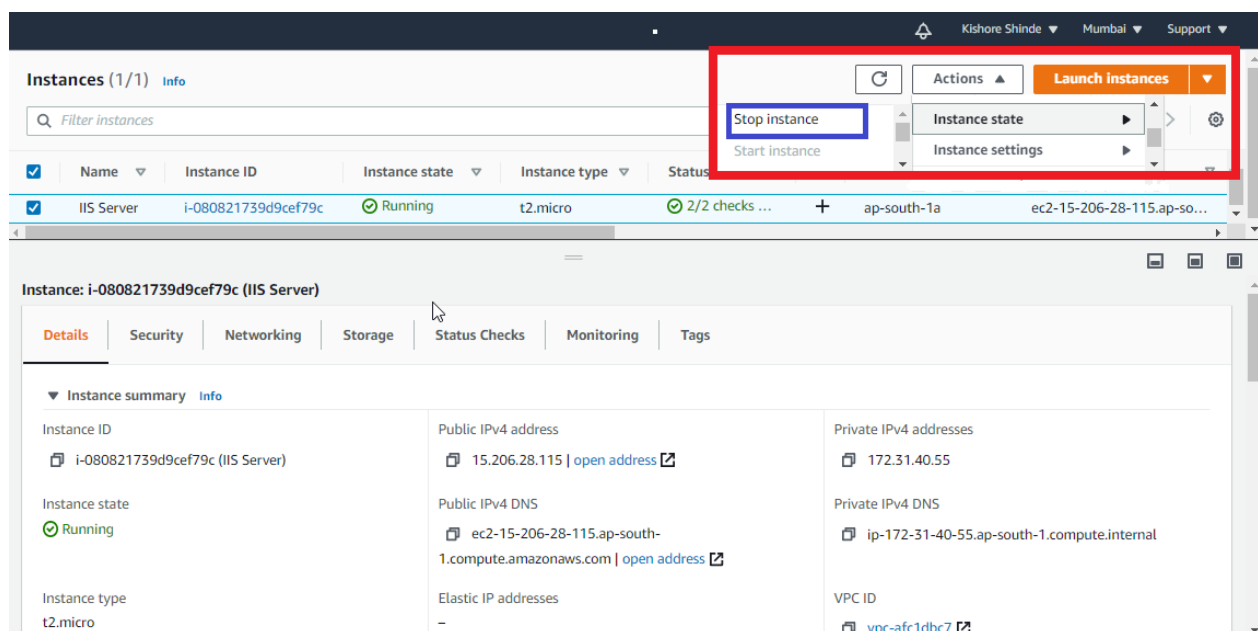### STEP A: Details of running instance

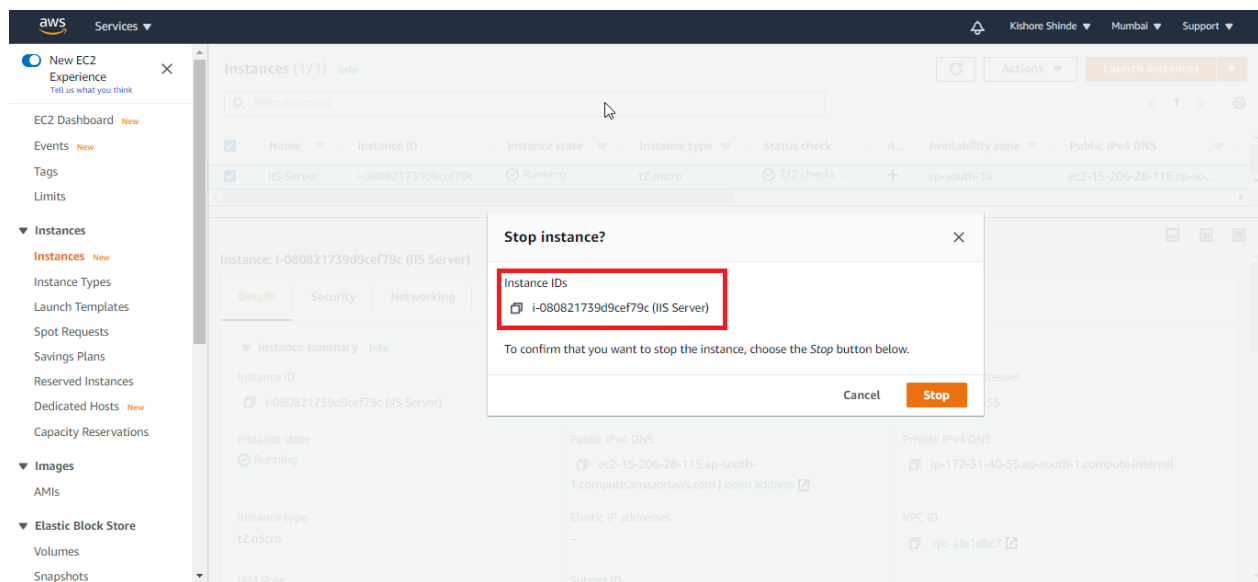Below is the running Windows EC2 instance with IIS Server installed on it.

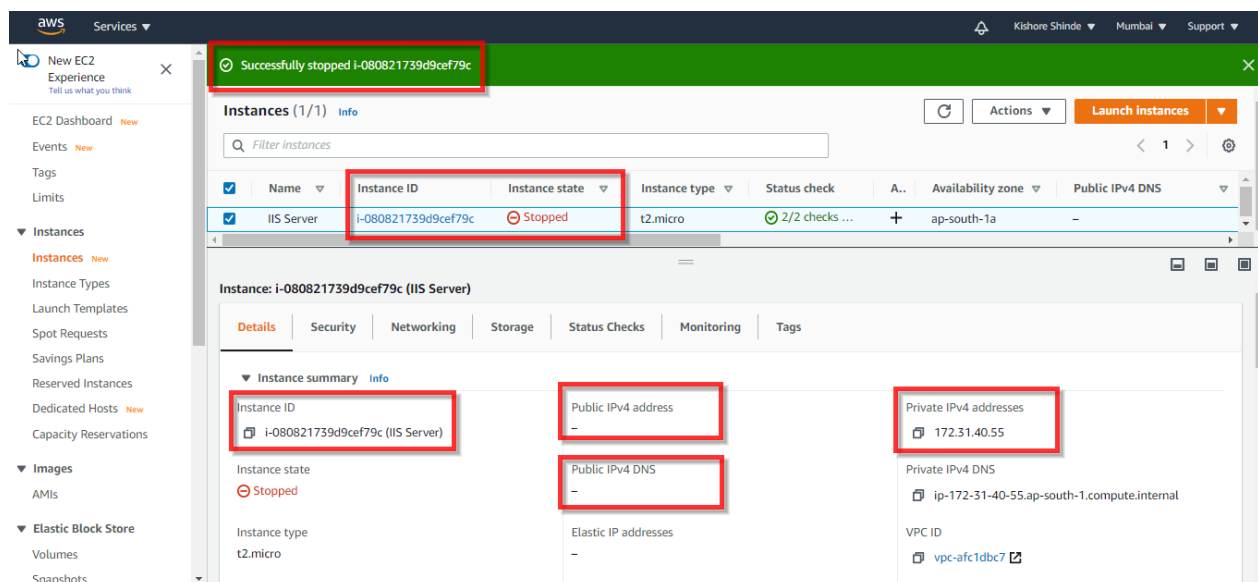| Instance Lifecycle Status	Public IPv4 Address	Private IPv4 Address	Software Installed
Running	15.206.28.115	172.31.40.55	IIS running

STEP B: Stop running instance

For stopping the instance click on **Actions**, Click **Instance State,** then click **Stop instance.**

It will ask for Stop instance confirmation click on **Stop.**

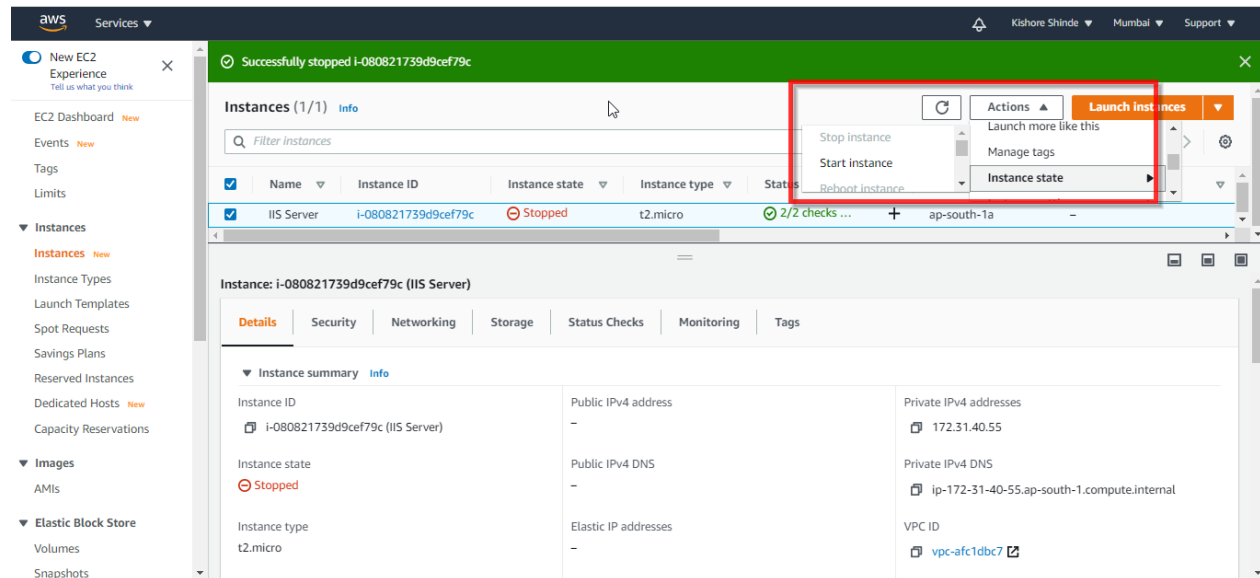Once the instance is stopped you can see the Instance status **"Stopped".**

Below are the changes in the status:

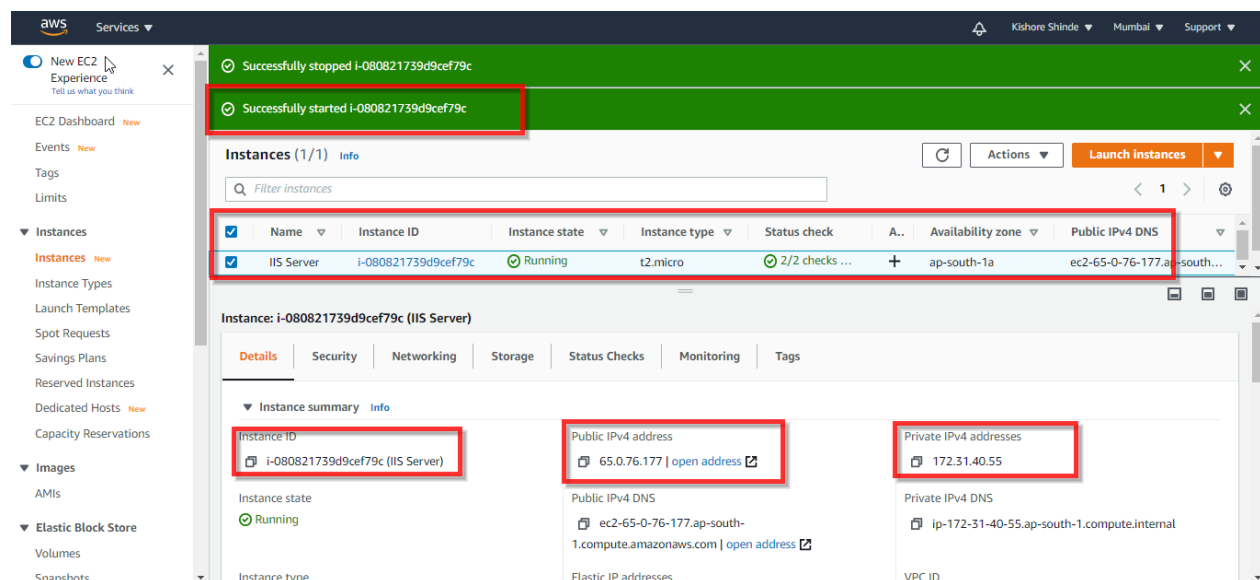| Instance Lifecycle Status	Public IPv4 Address	Private IPv4 Address	Software Installed
Stopped	-	172.31.40.55	Not able to access

As the instance is stopped not able to access the software installed.

STEP C: Start Stopped Instance

For starting the instance select the stopped instance click on **Actions**, Click on **Instance State**, then Click on **Start Instance.**

Once the instance is started again you can see following changes:

You can see that the new Public IP Address (65.0.76.177) is assigned to the instance. Private IP remains the same not changed.

If you try to access the instance with old Public IP (15.206.28.115) you will get an error shown below.
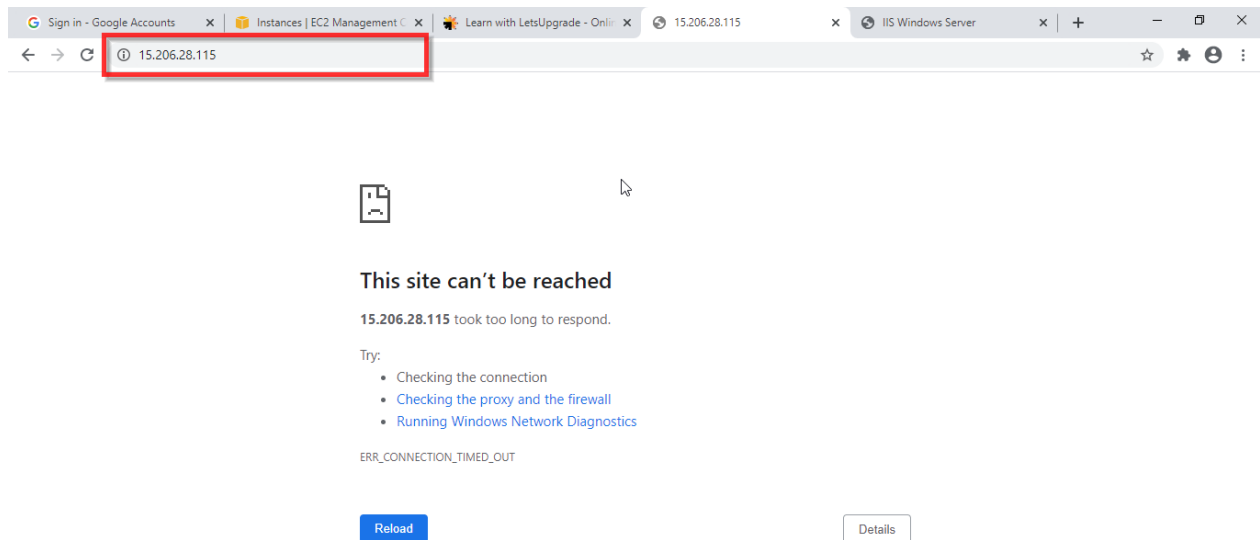
With the new IP address (65.0.76.177) you will be able to access the instance and the IIS Server installed.
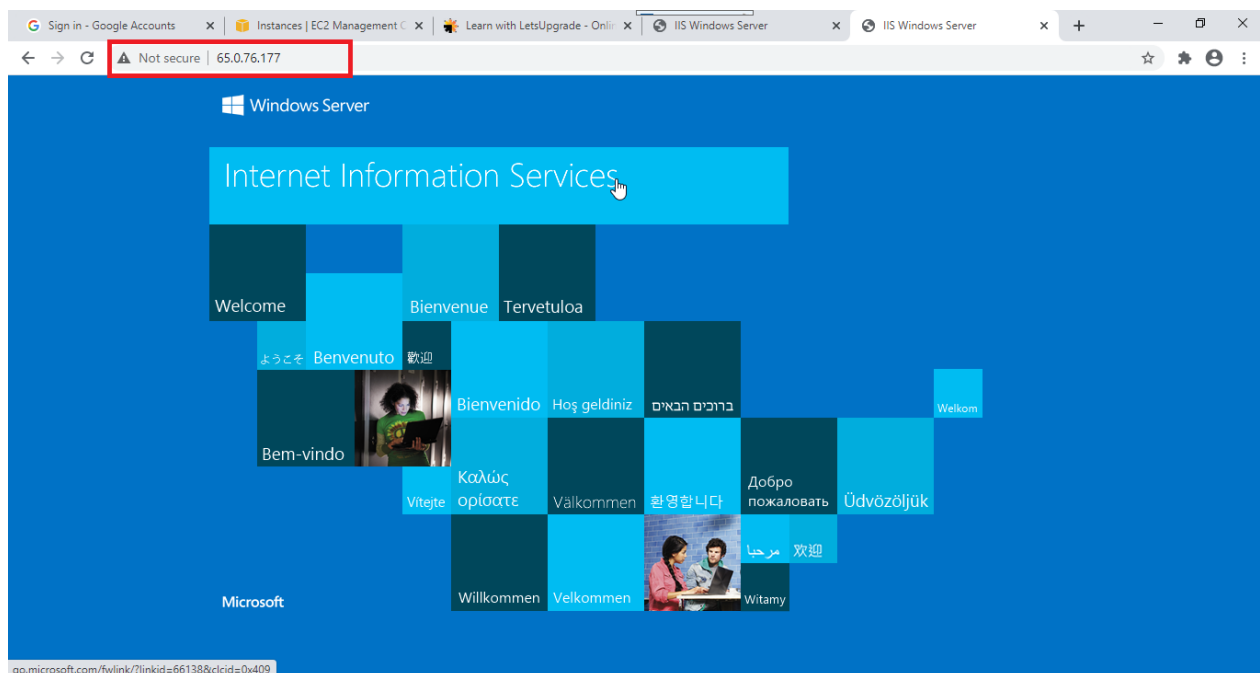
Instance Lifecycle Status	Public IPv4 Address	Private IPv4 Address	Software Installed
Running	65.0.76.177	172.31.40.55	IIS running

STEP D: Restarting / Rebooting instance
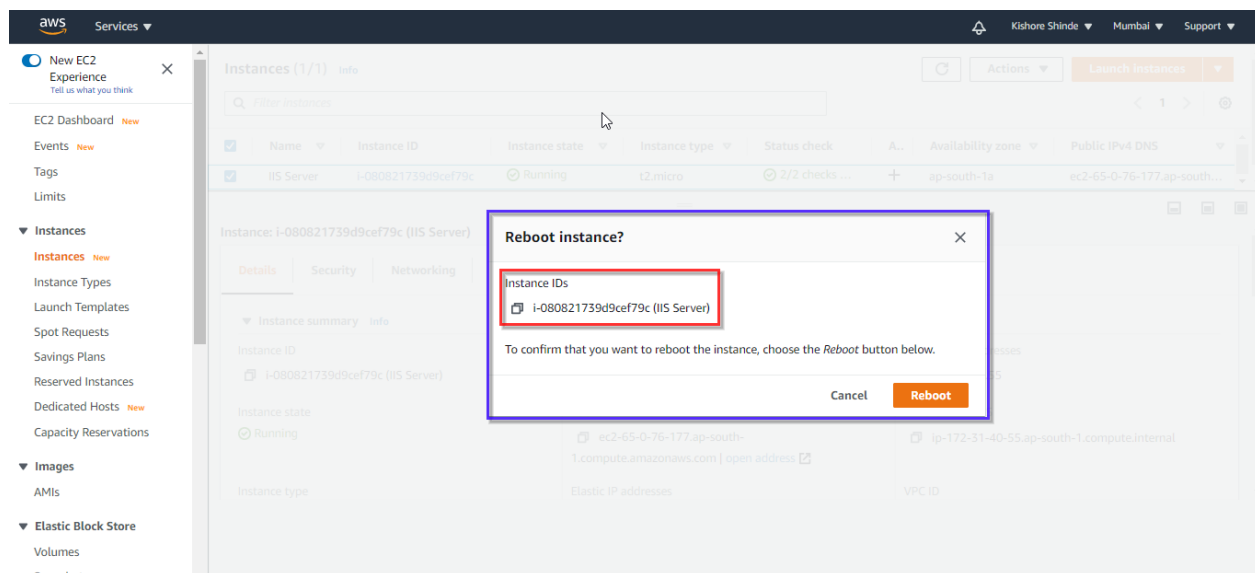
Let us see the effect of Restarting the instance.

Before Reboot this is this the Instance Details:

Instance Lifecycle Status	Public IPv4 Address	Private IPv4 Address	Software Installed
Running	65.0.76.177	172.31.40.55	IIS running

To Restart an instance, Select the instance, Click on **Actions**, Click **Instance State** and the Click on **Reboot instance**.

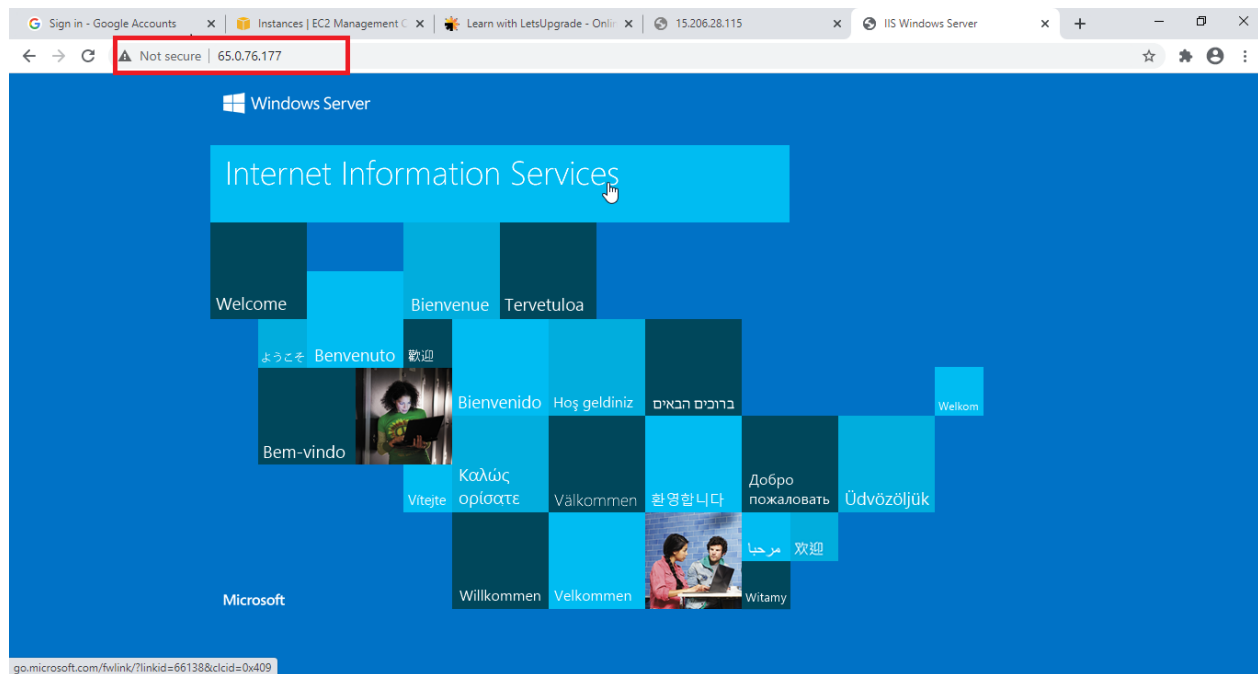It will ask you for a confirmation click on **Reboot**.

Now once the instance is Rebooted you can check the instance details.
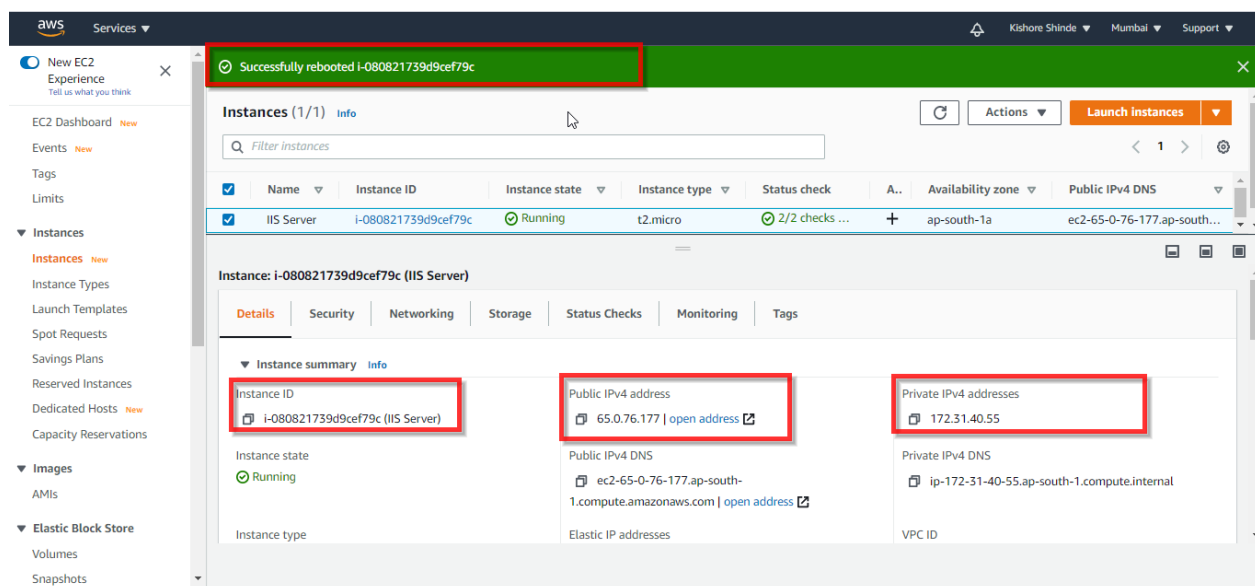
Instance Lifecycle Status	Public IPv4 Address	Private IPv4 Address	Software Installed
Running	65.0.76.177	172.31.40.55	IIS running

Here the Public IP Address, Private IP Address have not changed.

Even the IIS Server installed on the Server is running.

STEP E: Terminate EC2 Instance

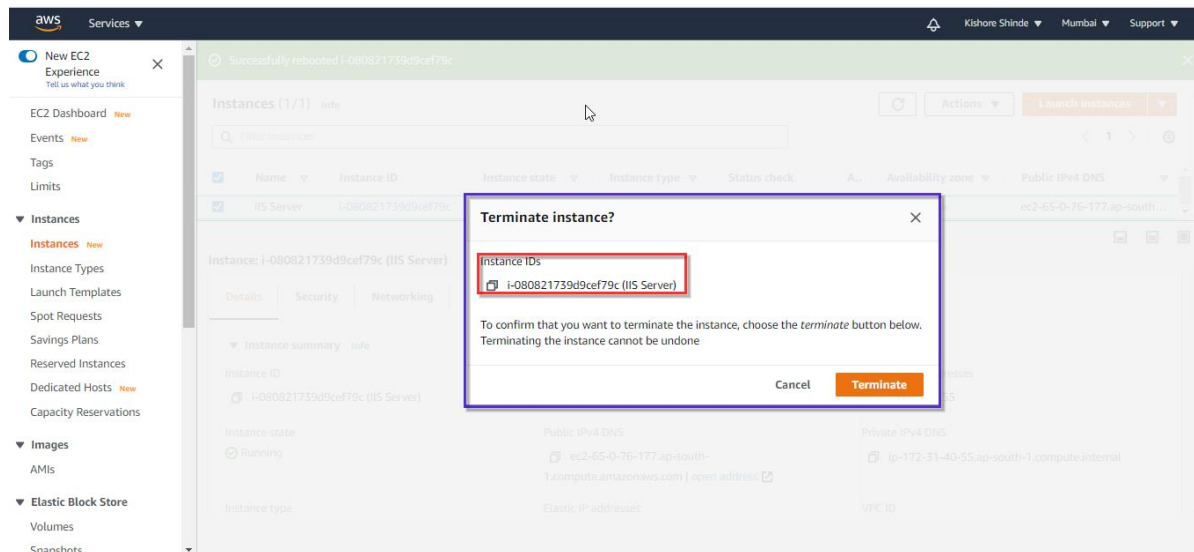Before termination this are the instance details:

Instance Lifecycle Status	Public IPv4 Address	Private IPv4 Address	Software Installed
Running	65.0.76.177	172.31.40.55	IIS running

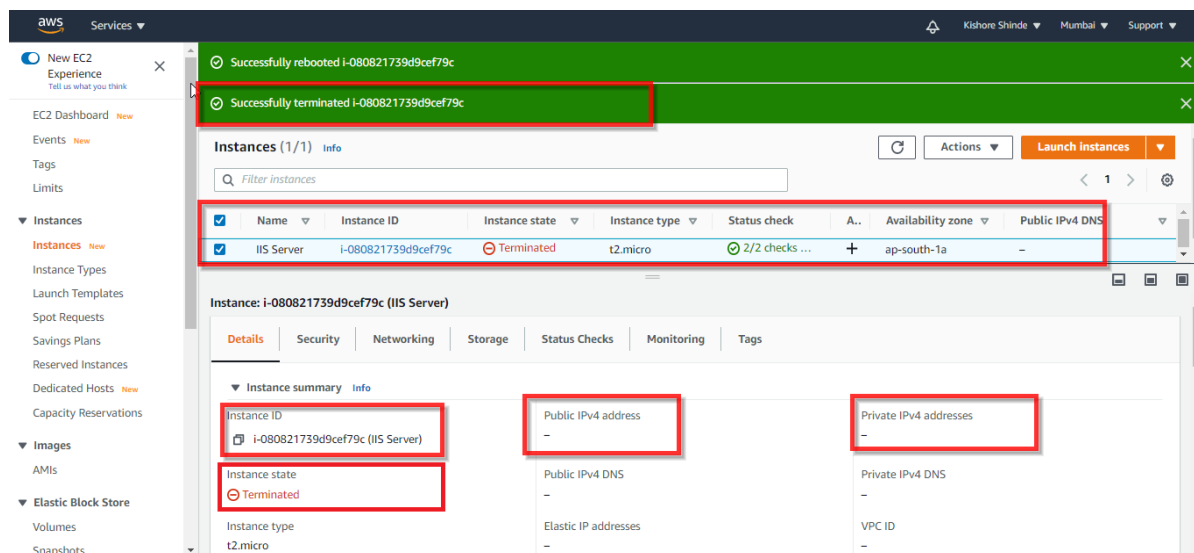For Terminating an instance do the following steps:
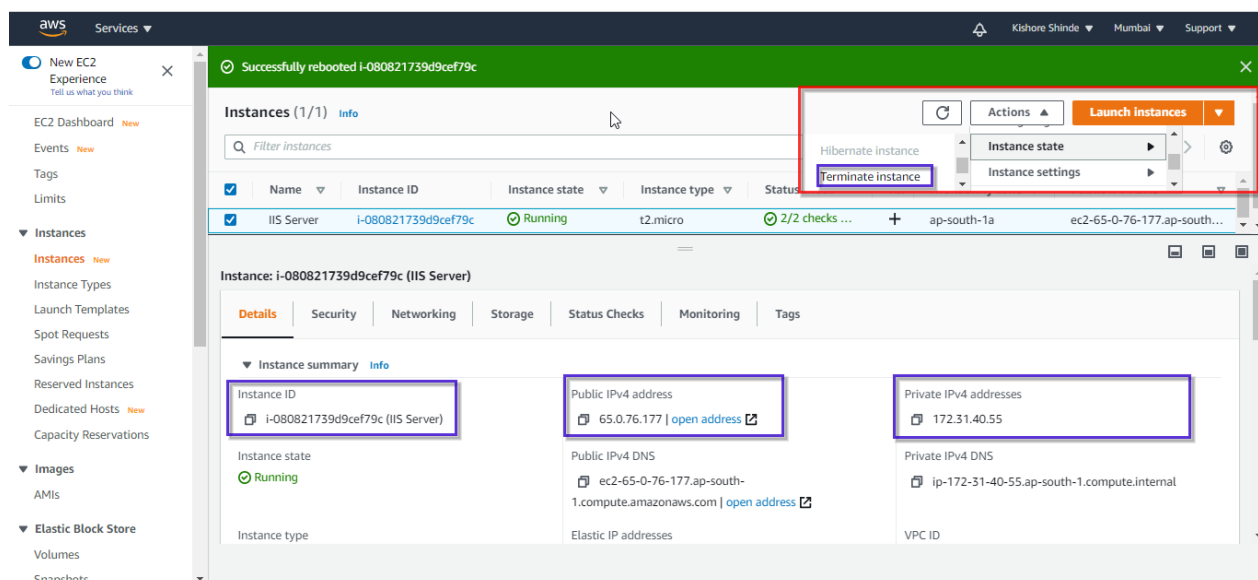
Select the instance to be terminated. Click on **Actions**, then Click on **Instance State** and then Click on **Terminate Instance**.

It will ask you for the confirmation.

Click on **Terminate**.

When the instance is terminated check the instance details below:

Once the instance is terminated the Public IP, Private IP are removed/released to the Shared Pool, the IIS is also not running.

Instance Lifecycle Status	Public IPv4 Address	Private IPv4 Address	Software Installed
Terminated	-	-	Not running

Project Lifecycle Effects on Instance completed.