

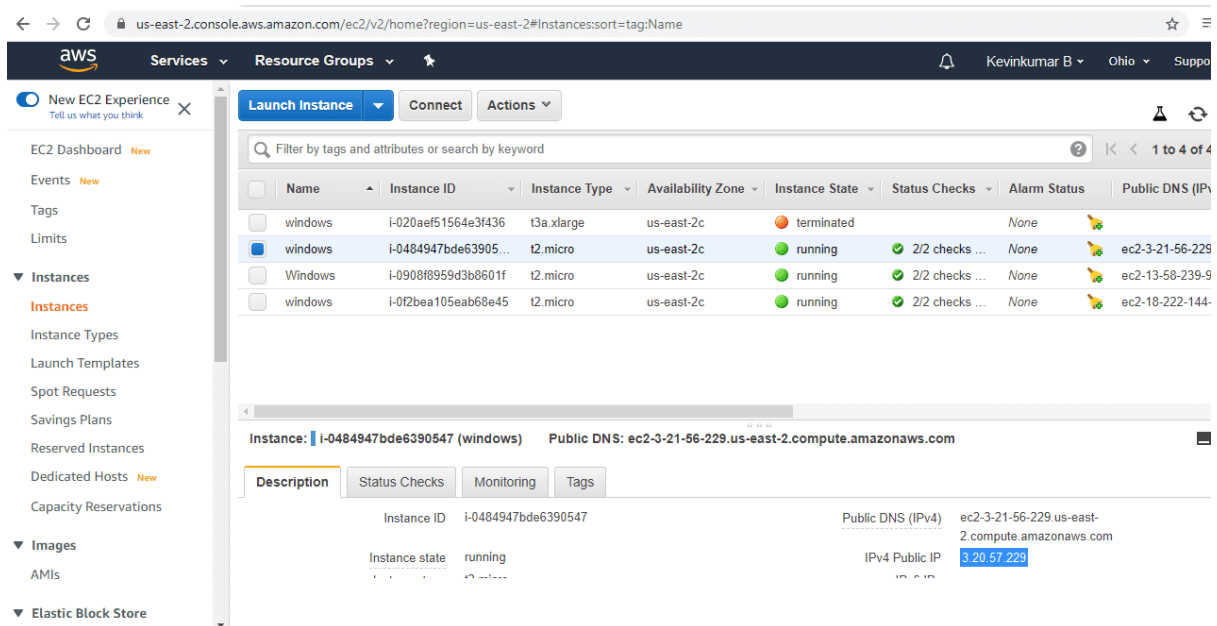
# AWS Essentials Batch 1

## Day 3 Assignment

### Project 1: Deploying a web server in Windows instance

**Public IP for windows : 3.20.57.229**

Create a windows instance using AMI: Windows 2019 base



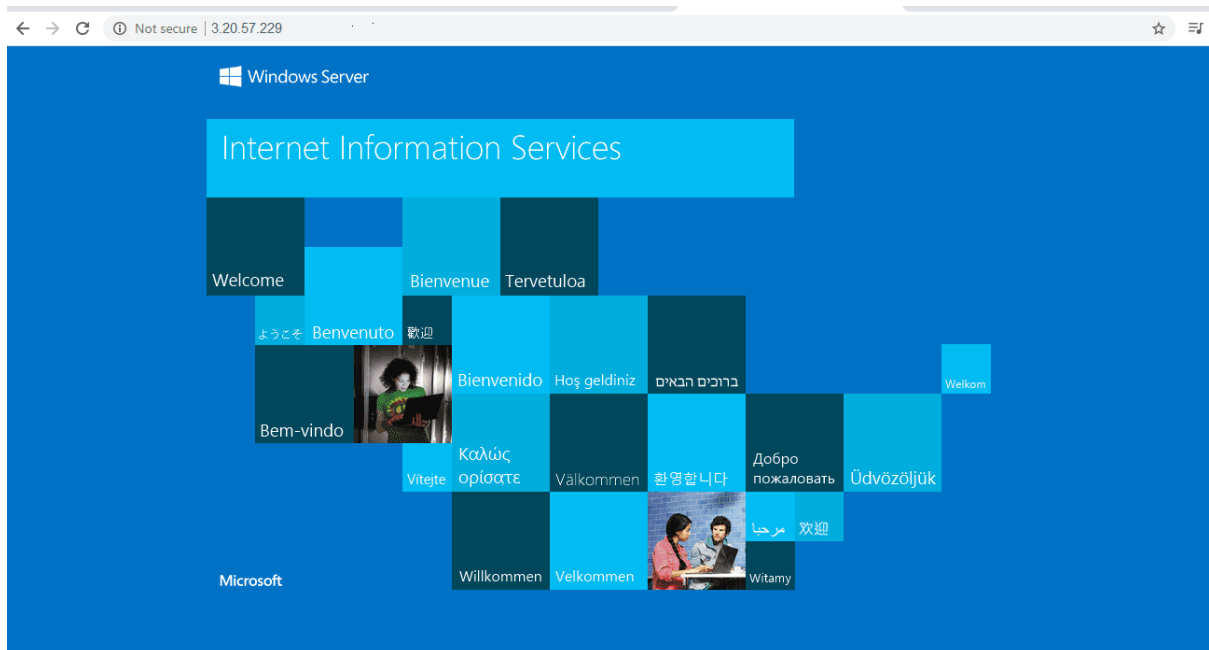
The screenshot shows the AWS Management Console interface. On the left, the navigation menu includes 'EC2 Dashboard', 'Events', 'Tags', 'Limits', 'Instances', 'Instance Types', 'Launch Templates', 'Spot Requests', 'Savings Plans', 'Reserved Instances', 'Dedicated Hosts', 'Capacity Reservations', 'Images', 'AMIs', and 'Elastic Block Store'. The main content area displays a list of EC2 instances. The instance 'i-0484947bde6390547' (windows) is selected, and its details are shown below the list. The details include the Instance ID, Instance state (running), Public DNS (IPv4) address (ec2-3-21-56-229.us-east-2.compute.amazonaws.com), and IPv4 Public IP address (3.20.57.229).

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
windows	i-020aef51564e3f436	t3a.xlarge	us-east-2c	terminated	2/2 checks ...	None	
windows	i-0484947bde6390547	t2.micro	us-east-2c	running	2/2 checks ...	None	ec2-3-21-56-229
Windows	i-0908f8959d3b8601f	t2.micro	us-east-2c	running	2/2 checks ...	None	ec2-13-58-239-9
windows	i-0f2bea105eab68e45	t2.micro	us-east-2c	running	2/2 checks ...	None	ec2-18-222-144

Instance: i-0484947bde6390547 (windows) Public DNS: ec2-3-21-56-229.us-east-2.compute.amazonaws.com

Description	Status Checks	Monitoring	Tags
Instance ID	i-0484947bde6390547		
Instance state	running		
Public DNS (IPv4)	ec2-3-21-56-229.us-east-2.compute.amazonaws.com		
IPv4 Public IP	3.20.57.229		

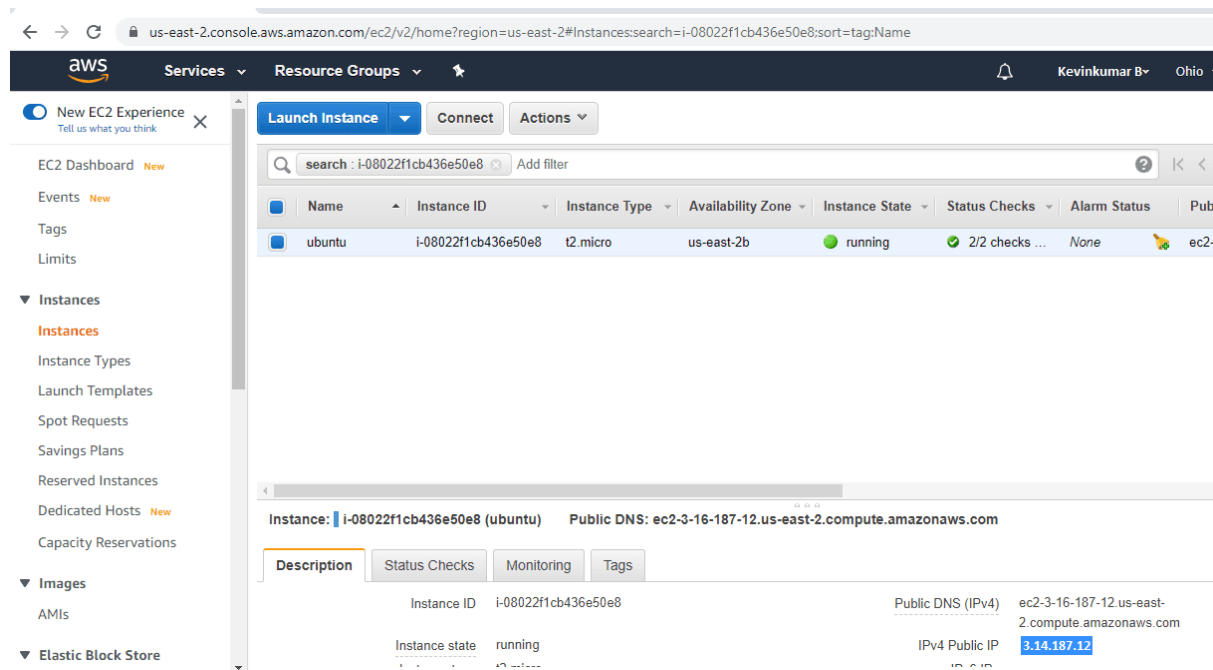
Verify successful installation of IIS Web Server:



## Project 2: Deploying a web server in Ubuntu instance

**Public IP for Ubuntu Instance : 3.14.187.12**

Create a windows instance using AMI: Ubuntu Server :



The screenshot shows the AWS Management Console interface. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and user information 'Kevinkumar B' and 'Ohio'. The left sidebar contains navigation links for 'New EC2 Experience', 'EC2 Dashboard', 'Events', 'Tags', 'Limits', 'Instances', 'Instance Types', 'Launch Templates', 'Spot Requests', 'Savings Plans', 'Reserved Instances', 'Dedicated Hosts', 'Capacity Reservations', 'Images', 'AMIs', and 'Elastic Block Store'. The main content area displays a table of EC2 instances. One instance is listed with the name 'ubuntu', ID 'i-08022f1cb436e50e8', type 't2.micro', and state 'running'. Below the table, the details for this instance are shown, including the public DNS 'ec2-3-16-187-12.us-east-2.compute.amazonaws.com' and the IPv4 public IP '3.14.187.12'.

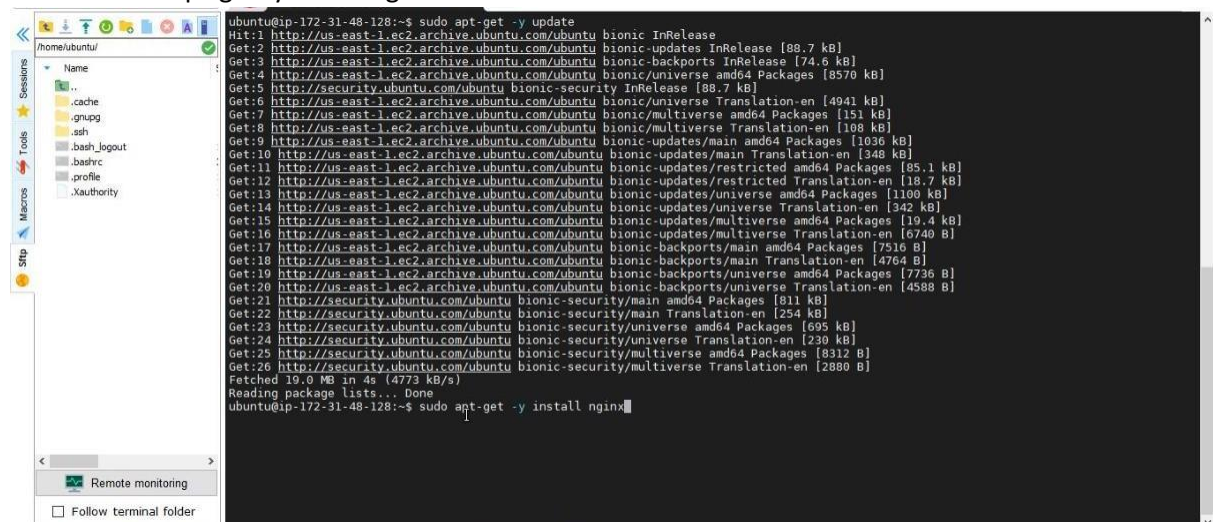
Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Pub
ubuntu	i-08022f1cb436e50e8	t2.micro	us-east-2b	running	2/2 checks ...	None	ec2-

Instance: i-08022f1cb436e50e8 (ubuntu) Public DNS: ec2-3-16-187-12.us-east-2.compute.amazonaws.com

Description	Status Checks	Monitoring	Tags
Instance ID	i-08022f1cb436e50e8	Public DNS (IPv4)	ec2-3-16-187-12.us-east-2.compute.amazonaws.com
Instance state	running	IPv4 Public IP	3.14.187.12

## Install nginx web server using bash

- `sudo apt-get -y update`
- `sudo apt-get -y install nginx`



The screenshot shows a terminal window with a file explorer on the left. The file explorer shows the contents of the home directory, including files like '.cache', '.gnupg', '.ssh', '.bash\_logout', '.bashrc', '.profile', and '.xauthority'. The terminal window displays the output of the commands 'sudo apt-get -y update' and 'sudo apt-get -y install nginx'. The output shows the system's package lists being updated and the nginx package being installed.

```
ubuntu@ip-172-31-48-128:~$ sudo apt-get -y update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-updates InRelease [89.7 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-backports InRelease [74.6 kB]
Get:4 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic/universe amd64 Packages [8570 kB]
Get:5 http://security.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic/universe Translation-en [4941 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic/multiverse amd64 Packages [151 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic/multiverse Translation-en [108 kB]
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 Packages [1036 kB]
Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main Translation-en [348 kB]
Get:11 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/restricted amd64 Packages [85.1 kB]
Get:12 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/restricted Translation-en [18.7 kB]
Get:13 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/universe amd64 Packages [1100 kB]
Get:14 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/universe Translation-en [342 kB]
Get:15 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/multiverse amd64 Packages [19.4 kB]
Get:16 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/multiverse Translation-en [6740 B]
Get:17 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-backports/main amd64 Packages [7516 B]
Get:18 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-backports/main Translation-en [4764 B]
Get:19 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-backports/universe amd64 Packages [7736 B]
Get:20 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-backports/universe Translation-en [4588 B]
Get:21 http://security.ubuntu.com/ubuntu bionic-security/main amd64 Packages [811 kB]
Get:22 http://security.ubuntu.com/ubuntu bionic-security/main Translation-en [254 kB]
Get:23 http://security.ubuntu.com/ubuntu bionic-security/universe amd64 Packages [695 kB]
Get:24 http://security.ubuntu.com/ubuntu bionic-security/universe Translation-en [230 kB]
Get:25 http://security.ubuntu.com/ubuntu bionic-security/multiverse amd64 Packages [8312 B]
Get:26 http://security.ubuntu.com/ubuntu bionic-security/multiverse Translation-en [2880 B]
Fetched 10.0 MB in 4s (4773 kB/s)
Reading package lists... Done
ubuntu@ip-172-31-48-128:~$ sudo apt-get -y install nginx
```

## Verify successful installation of nginx :



### Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to [nginx.org](https://nginx.org).  
Commercial support is available at [nginx.com](https://nginx.com).

*Thank you for using nginx.*