

LET'S UPGRADE AWS

-ramyaiswarya727@gmail.com

-UPPU RAMYA ISWARYA

Assignment-1:

Project-1: Create a windows instance using AMI :Windows 2012 R2 base

The screenshot displays the AWS Management Console's 'Launch instance wizard' for Step 1: Choose an Amazon Machine Image (AMI). The wizard is titled 'Step 1: Choose an Amazon Machine Image (AMI)' and includes a 'Cancel and Exit' link. It lists five AMIs:

- Microsoft Windows Server 2016 with SQL Server 2019 Standard** - ami-02288c0f46e4940d7
Microsoft Windows 2016 Datacenter edition, Microsoft SQL Server 2019 Standard. [English]
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes
64-bit (x86)
- Microsoft Windows Server 2016 with SQL Server 2019 Enterprise** - ami-0f6bb70c0be6f603c
Microsoft Windows 2016 Datacenter edition, Microsoft SQL Server 2019 Enterprise. [English]
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes
64-bit (x86)
- Microsoft Windows Server 2012 R2 Base** - ami-0bfd72d59f05f83f0
Microsoft Windows Server 2012 R2 Standard edition with 64-bit architecture. [English]
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes
64-bit (x86)
- Microsoft Windows Server 2012 R2 with SQL Server 2016 Standard** - ami-0dd0e2cfe921fe455
Microsoft Windows Server 2012 R2 Standard edition, 64-bit architecture, Microsoft SQL Server 2016 Standard edition. [English]
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes
64-bit (x86)
- Microsoft Windows Server 2012 R2 with SQL Server 2016 Enterprise** - ami-05bf5a30ae0c044d5
Microsoft Windows Server 2012 R2 Standard edition, 64-bit architecture, Microsoft SQL Server 2016 Enterprise edition. [English]
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes
64-bit (x86)

The bottom of the screenshot shows the Windows taskbar with the search bar and system tray.

us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#instances:search=i-07dc9b944200da77b;sort=instancetype

Services Resource Groups

New EC2 Experience

EC2 Dashboard

Events

Tags

Limits

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Scheduled Instances

Capacity Reservations

Images

AMIs

Elastic Block Store

Volumes

Launch Instance Connect Actions

search: i-07dc9b944200da77b Add filter

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6
windows	i-07dc9b944200da77b	t2.micro	us-west-2c	running	Initializing	None	ec2-34-214-67-243.us-...	34.214.67.243	-

Instance: i-07dc9b944200da77b (windows) Public DNS: ec2-34-214-67-243.us-west-2.compute.amazonaws.com

Description Status Checks Monitoring Tags

Instance ID	i-07dc9b944200da77b	Public DNS (IPv4)	ec2-34-214-67-243.us-west-2.compute.amazonaws.com
Instance state	running	IPv4 Public IP	34.214.67.243
Instance type	t2.micro	IPv6 IPs	-
Finding	Opt-in to AWS Compute Optimizer for recommendations.	Elastic IPs	

Feedback English (US)

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letsupgrade.pem Show all

Type here to search

12:43 20-08-2020

Administrator: Windows PowerShell

```
Windows PowerShell
Copyright (C) 2014 Microsoft Corporation. All rights reserved.

PS C:\Users\Administrator> Install-WindowsFeature -Name Web-Server -IncludeManagementTools
Success Restart Needed Exit Code Feature Result
-----
True No NoChangeNeeded {}

PS C:\Users\Administrator>
```

1SN1775H1KD

Hostname : WIN-

Instance ID : i-

Public IP Address : 34.214.67.243

Private IP Address : 172.31.0.110

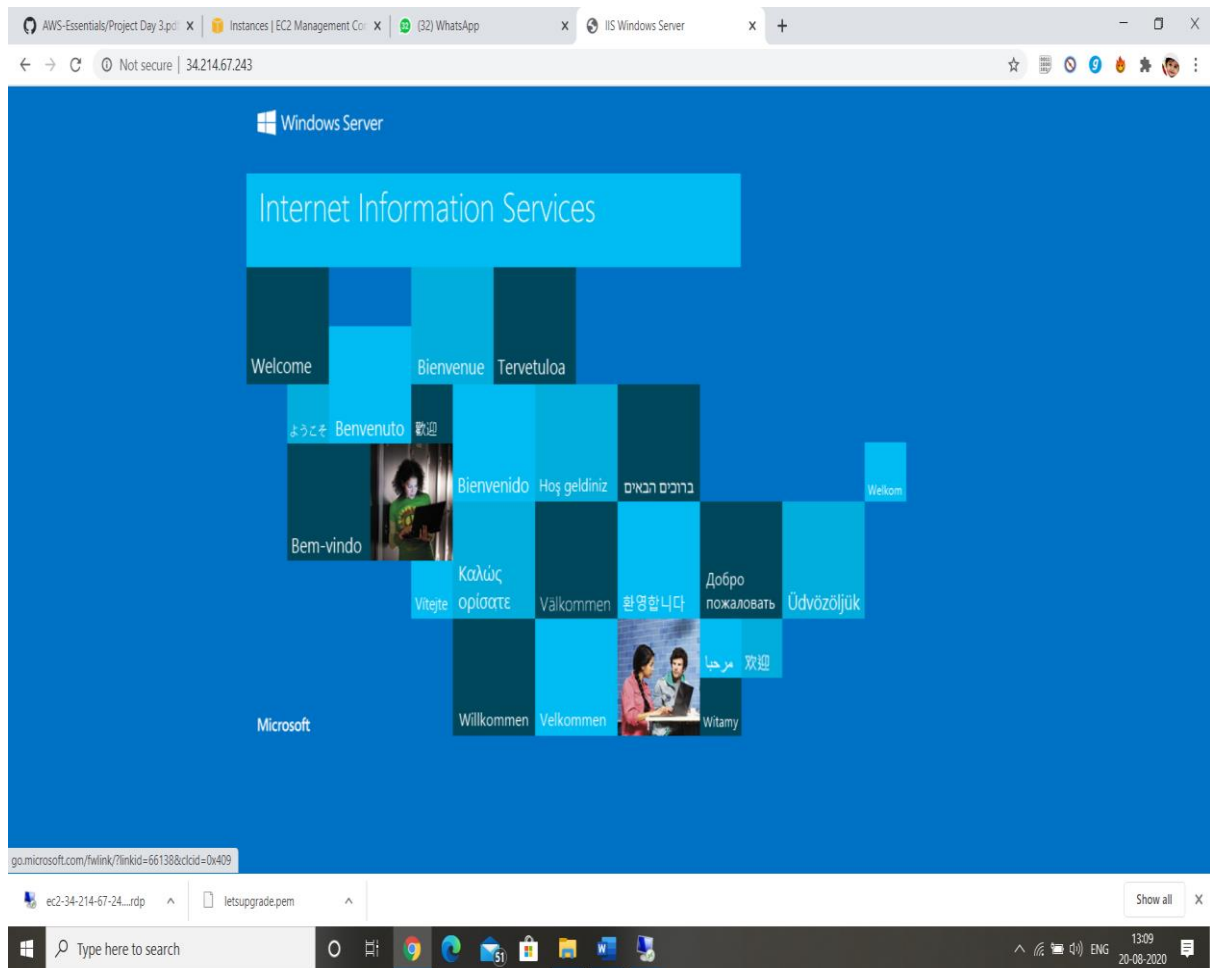
Availability Zone : us-west-2c

Instance Size : t2.micro

Architecture : AMD64

Windows Server 2012 R2

8:36 AM 8/20/2020



Ip: 34.214.67.243

Project-2: Creating a windows instance : Ubuntu server 18.04 LTS

AWS Management Console screenshot showing EC2 instances. The table below lists the instances:

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6
windows	i-07dc9b844200da77b	t2.micro	us-west-2c	running	2/2 checks ...	None	ec2-34-214-67-243 us-...	34.214.67.243	-
ubuntu	i-0af36d924928ccee1	t2.micro	us-west-2c	running	2/2 checks ...	None	ec2-34-212-225-7 us-w...	34.212.225.7	-

The 'ubuntu' instance details are shown below:

Instance: **i-0af36d924928ccee1 (ubuntu)** Public DNS: **ec2-34-212-225-7.us-west-2.compute.amazonaws.com**

Description	Status Checks	Monitoring	Tags
Instance ID	i-0af36d924928ccee1	Public DNS (IPv4)	ec2-34-212-225-7.us-west-2.compute.amazonaws.com
Instance state	running	IPv4 Public IP	34.212.225.7
Instance type	t2.micro	IPv6 IPs	-
Finding	Opt-in to AWS Compute Optimizer for recommendations.	Elastic IPs	

Terminal window screenshot showing the SSH session to the Ubuntu instance. The terminal output is as follows:

```
Authenticating with public key "Imported-OpenSSH-Key: C:\\Users\\ramya is\\Downloads\\letsupgrade.pem"

(MobaXterm 20.3)
(SSH client, X-server and networking tools)

> SSH session to ubuntu@34.212.225.7
  * SSH compression : ✓
  * SSH-browser       : ✓
  * X11-forwarding    : ✓ (remote display is forwarded through SSH)
  * DISPLAY           : ✓ (automatically set on remote server)

> For more info, ctrl+click on help or visit our website

Welcome to Ubuntu 18.04.5 LTS (GNU/Linux 5.3.0-1032-aws x86_64)

 * Documentation: https://help.ubuntu.com
 * Management:   https://landscape.canonical.com
 * Support:      https://ubuntu.com/advantage

System information as of Thu Aug 20 08:00:22 UTC 2020

System load: 0.08      Processes:    92
Usage of /:  14.4% of 7.69GB   Users logged in: 0
Memory usage: 17%          IP address for eth0: 172.31.11.100
Swap usage:  0%

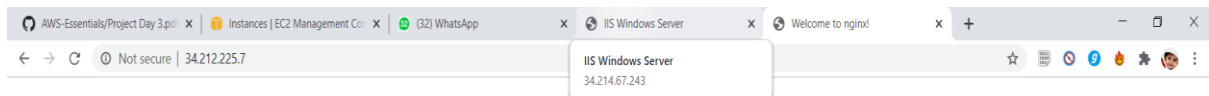
 * Are you ready to Kubernetes 1.19? It's nearly here! Try RC3 with
sudo snap install microk8s --channel=1.19/candidate --classic
https://microk8s.io/ has docs and details.

0 packages can be updated.
0 updates are security updates.

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by

UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: https://mobaxterm.mobatek.net
```



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.
Commercial support is available at nginx.com.

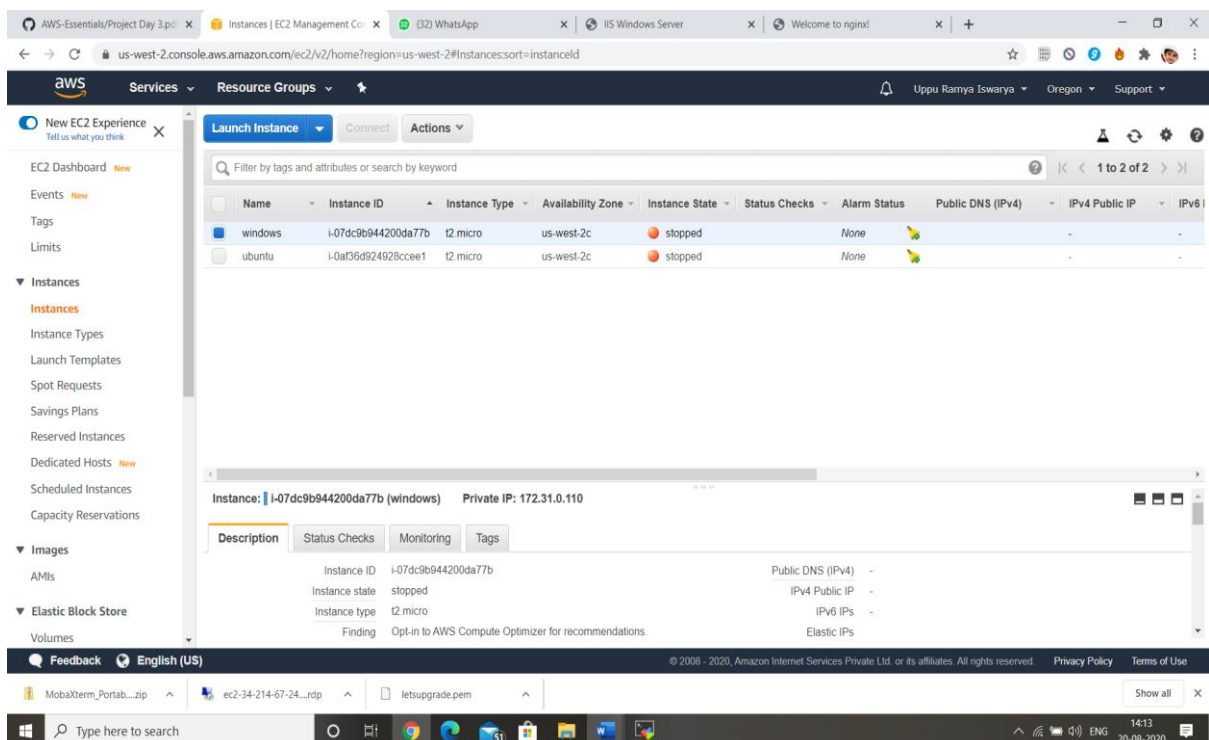
Thank you for using nginx.



Ip: 34.212.225.7

Managing States:

STOP:



TERMINATE:

The screenshot displays the AWS Management Console interface. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and user information 'Uppu Ramya Iswarya' in the 'Oregon' region. The left sidebar contains navigation links for 'New EC2 Experience', 'EC2 Dashboard', 'Events', 'Tags', 'Limits', 'Instances', 'Images', and 'Elastic Block Store'. The main content area shows a table of EC2 instances with columns: Name, Instance ID, Instance Type, Availability Zone, Instance State, Status Checks, Alarm Status, Public DNS (IPv4), IPv4 Public IP, and IPv6 Public IP. Two instances are listed, both in a 'terminated' state. Below the table, a detailed view for instance 'i-07dc9b944200da77b' (windows) is shown, with tabs for Description, Status Checks, Monitoring, and Tags. The Description tab is active, displaying instance details like ID, state, type, and finding. The bottom of the screen shows a Windows taskbar with various application icons and a system clock indicating 14:21 on 20-08-2020.

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 Public IP
windows	i-07dc9b944200da77b	t2.micro	us-west-2c	terminated	None			-	-
ubuntu	i-0a136d924928ccee1	t2.micro	us-west-2c	terminated	None			-	-

Instance: **i-07dc9b944200da77b (windows)** Public DNS: -

Description | Status Checks | Monitoring | Tags

Instance ID: i-07dc9b944200da77b | Public DNS (IPv4): -
Instance state: terminated | IPv4 Public IP: -
Instance type: t2.micro | IPv6 IPs: -
Finding: Opt-in to AWS Compute Optimizer for recommendations. | Elastic IPs: -