

# PROJECT 1

Deploying a web server in Windows instance

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

Task 2: Launch the Windows instance using RDP

Task 3: Install IIS web server using Powershell ISE Note: Simply copy the command below and paste in the powershell ISE to install the IIS web server. !!!! Powershell is case sensitive.

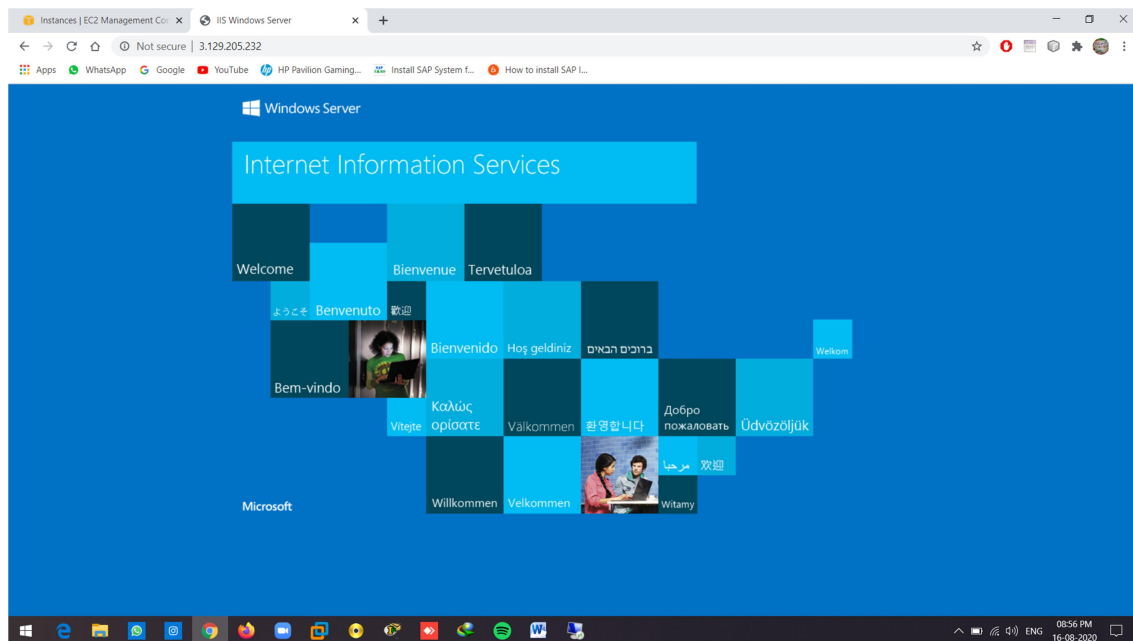
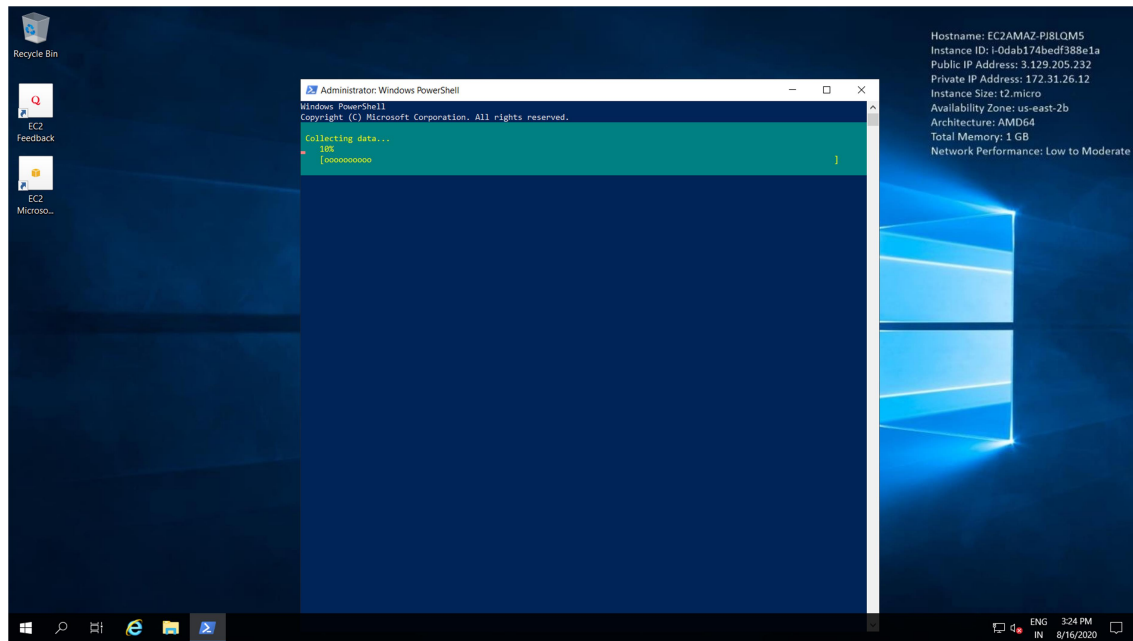
`Install-WindowsFeature -name Web-Server -IncludeManagementTools`

Task 4: Verify successful installation of IIS Web Server Note: You should be able to see the Internet Information Services Web page when you paste the public IP into the browser.

The screenshot displays the AWS Management Console interface. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and a user profile 'taukirm5' from 'Ohio'. The left sidebar shows the 'EC2 Dashboard' with various navigation links. The main content area shows a list of EC2 instances. A table lists the instance details:

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 Public IP
Windows	i-0dab174bedf388e1a	t2.micro	us-east-2b	running	2/2 checks ...	None	ec2-3-129-205-232.us-east-2.compute.amazonaws.com	3.129.205.232	-

Below the table, the details for the selected instance 'i-0dab174bedf388e1a' are shown. The 'Description' tab is active, displaying the instance ID, state (running), type (t2.micro), and public DNS (IPv4) address (ec2-3-129-205-232.us-east-2.compute.amazonaws.com). The 'Status Checks' tab shows '2/2 checks ...' and the 'Monitoring' tab shows 'Opt-in to AWS Compute Optimizer for recommendations.' The 'Tags' tab is also visible. The bottom of the screen shows the Windows taskbar with various application icons and the system clock indicating 06:54 PM on 16-08-2020.



## PROJECT 2

Deploying a web server in Windows instance

Task 1: Create a windows instance using AMI :Ubuntu Server 18.04 LTS (HVM)

Task 2: Download and install MobaXterm Portable Edition

Task 2: Launch the Ubuntu instance using SSH Note: Username is ubuntu

Task 3: Install nginx web server using bash Note: Simply copy the command below and paste in the bash to install the nginx web server. `sudo apt-get -y update` `sudo apt-get -y install nginx`

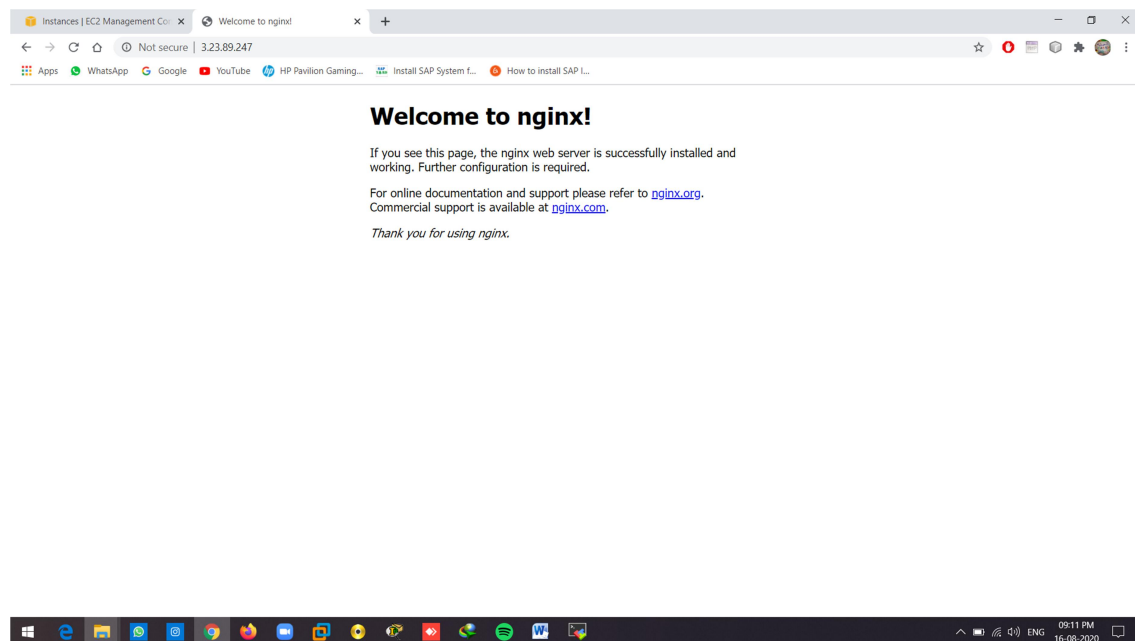
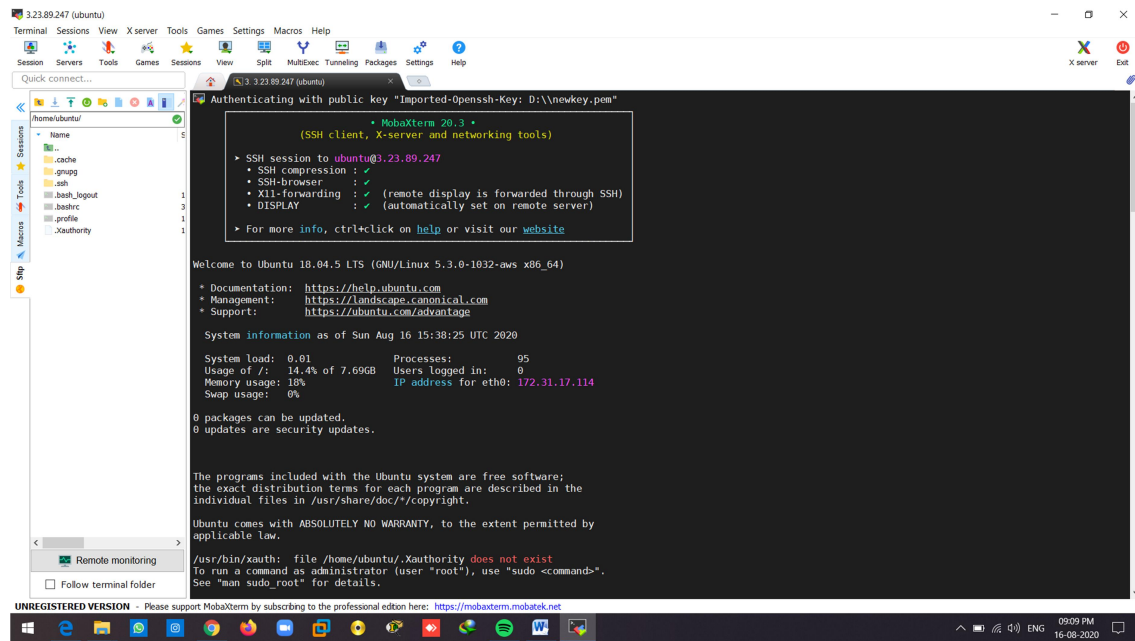
Task 4: Verify successful installation of nginx Note : You should be able to see the Welcome to nginx Web page when you paste the public IP into the browser.

The screenshot shows the AWS Management Console interface. On the left, the navigation menu includes sections like 'EC2 Dashboard', 'Instances', 'Images', and 'Elastic Block Store'. The main content area displays a table of EC2 instances. The table has columns for 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: 'Windows' and 'Ubuntu'. The 'Ubuntu' instance is selected, and its details are shown below the table. The details include the Instance ID (i-0ee70a319a6cc1d58), Instance state (running), Instance type (t2.micro), and Public DNS (IPv4) address (ec2-3-23-89-247.us-east-2.compute.amazonaws.com).

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 Public IP
Windows	i-0dab174bedf388e1a	t2.micro	us-east-2b	running	2/2 checks ...	None	ec2-3-129-205-232 us-...	3.129.205.232	-
Ubuntu	i-0ee70a319a6cc1d58	t2.micro	us-east-2b	running	2/2 checks ...	None	ec2-3-23-89-247 us-ea...	3.23.89.247	-

Instance: i-0ee70a319a6cc1d58 (Ubuntu) Public DNS: ec2-3-23-89-247.us-east-2.compute.amazonaws.com

Description	Status Checks	Monitoring	Tags
Instance ID: i-0ee70a319a6cc1d58	Public DNS (IPv4): ec2-3-23-89-247.us-east-2.compute.amazonaws.com		
Instance state: running	IPv4 Public IP: 3.23.89.247		
Instance type: t2.micro	IPv6 IPs: -		
Findings: Opt-in to AWS Compute Optimizer for recommendations.	Elastic IPs: -		



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