

ASSIGNMENT 1

QUESTION 1:

To Deploy Web-Server in Windows Instance using AMI: Windows 2012 R2 Base

A) LAUNCHING INSTANCE USING RDP

The screenshot displays the AWS Management Console interface. The top navigation bar shows the user is logged in as KIRAN KUMAR B P. The left sidebar contains the navigation menu with categories like EC2 Dashboard, Events, Tags, Limits, Instances, Images, and Elastic Block Store. The main content area shows the 'Instances' page with a table of running instances. One instance, 'Windows-Kiran', is highlighted. Below the table, the details for this instance are shown, including its ID, state, and public IP address. A 'Remote Desktop Connection' window is open, showing the desktop of the Windows Server 2012 R2 instance. The desktop includes a taskbar with icons for Recycle Bin, EC2 Feedback, and EC2 Micros... The system tray shows the Windows logo and the text 'Windows Server 2012 R2'. An 'Activate Windows' watermark is visible in the bottom right corner of the desktop.

Instances Table:

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
Windows-Kiran	i-071c4aad07c8b2453	t2.micro	us-east-2b	running	2/2 checks ...	None	ec2-18-190-26-25 us-e...

Instance Details:

- Instance: i-071c4aad07c8b2453 (Windows-Kiran)
- Public DNS: ec2-18-190-26-25.us-east-2.compute.amazonaws.com
- Instance ID: i-071c4aad07c8b2453
- Instance state: running
- Public DNS (IPv4): ec2-18-190-26-25.us-east-2.compute.amazonaws.com
- IPv4 Public IP: 18.190.26.25

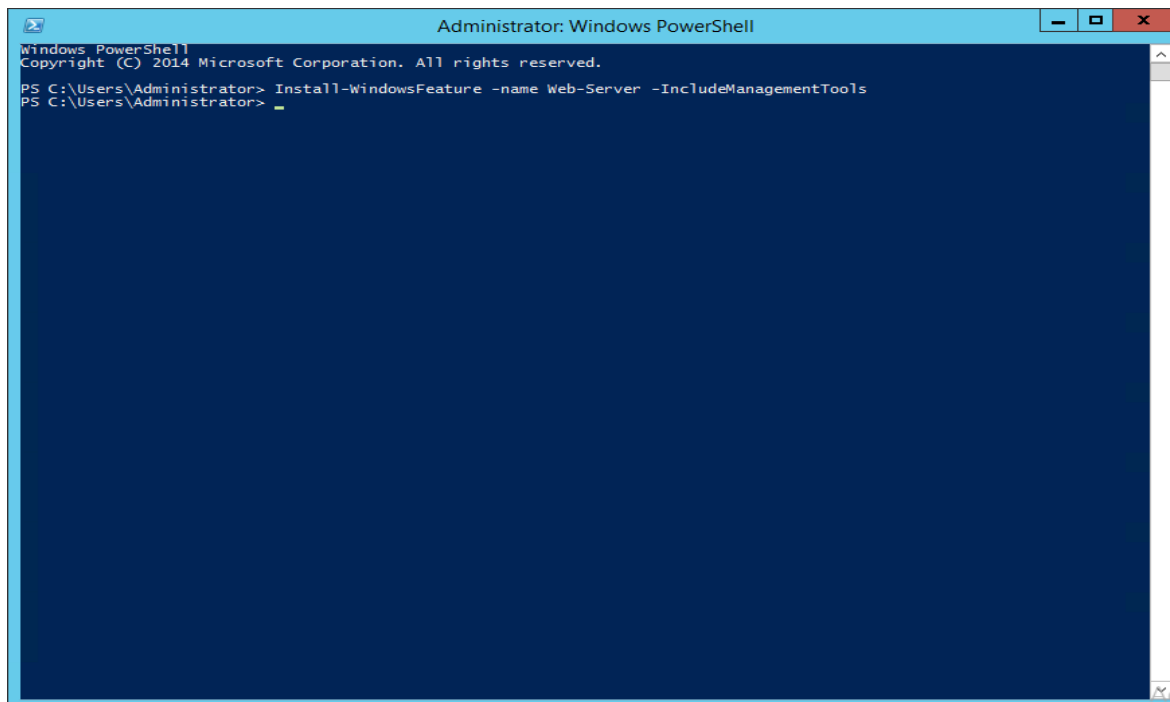
Remote Desktop Connection Details:

- Hostname: WIN-MBP8OQG53DF
- Instance ID: i-071c4aad07c8b2453
- Public IP Address: 18.190.26.25
- Private IP Address: 172.31.20.95
- Availability Zone: us-east-2b
- Instance Size: t2.micro
- Architecture: AMD64

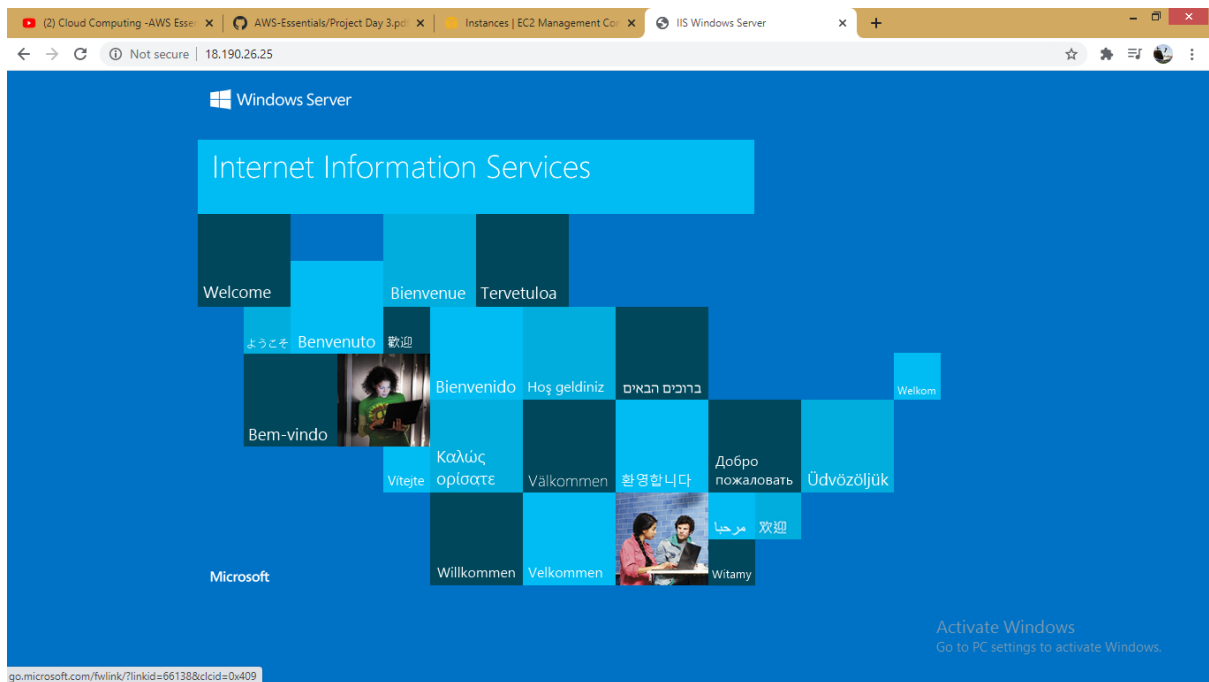
Windows Server 2012 R2 Desktop:

Activate Windows
Go to PC settings to activate Windows.

B) INSTALLING IIS WEB-SERVER USING ISE POWERSHELL ISE



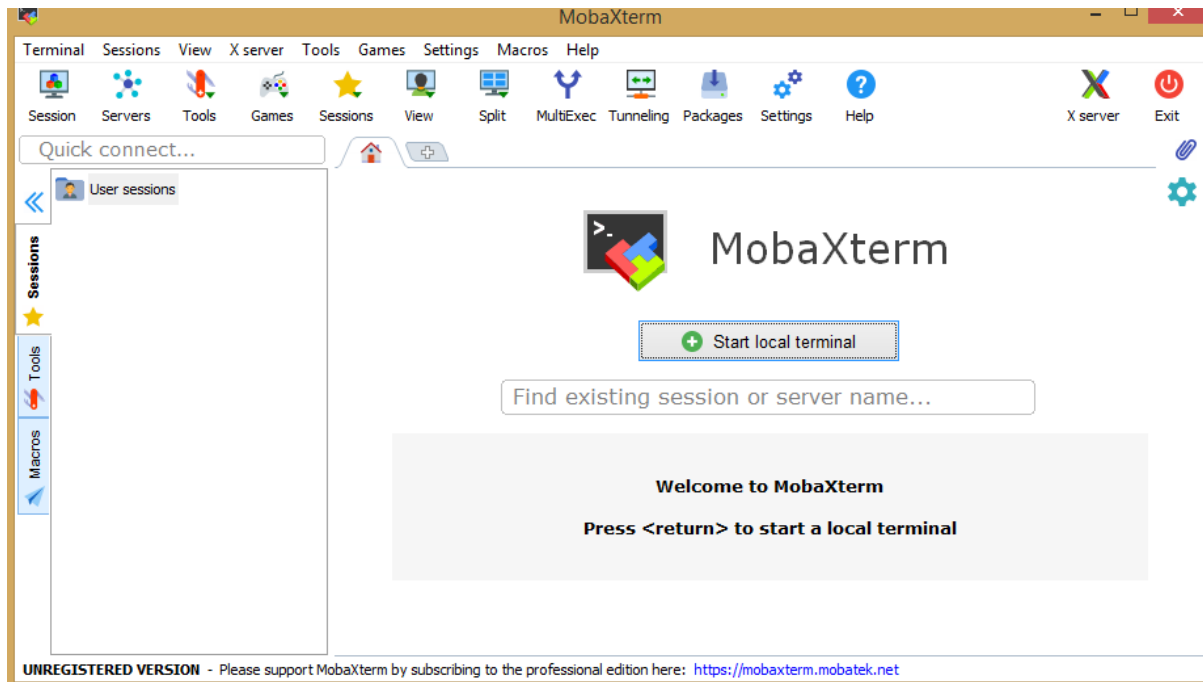
C) VERIFICATION:



QUESTION 2:

TO DEPLOY WEBSERVER IN WINDOWS INSTANCE USING AMI: UBUNTU SERVER 18.04 LTS (HVM)

A) TO LAUNCH UBUNTU INSTANCE USING SSH



The screenshot shows the MobaXterm interface with a terminal window connected to 18.222.197.204 (ubuntu). The terminal displays the SSH session details, including compression status and X11-forwarding. It then shows the Ubuntu 18.04.5 LTS boot sequence, including the welcome message, system information (Mon Aug 17 15:45:08 UTC 2020), and system load statistics. The terminal also shows the system's package management status and the Ubuntu license information.

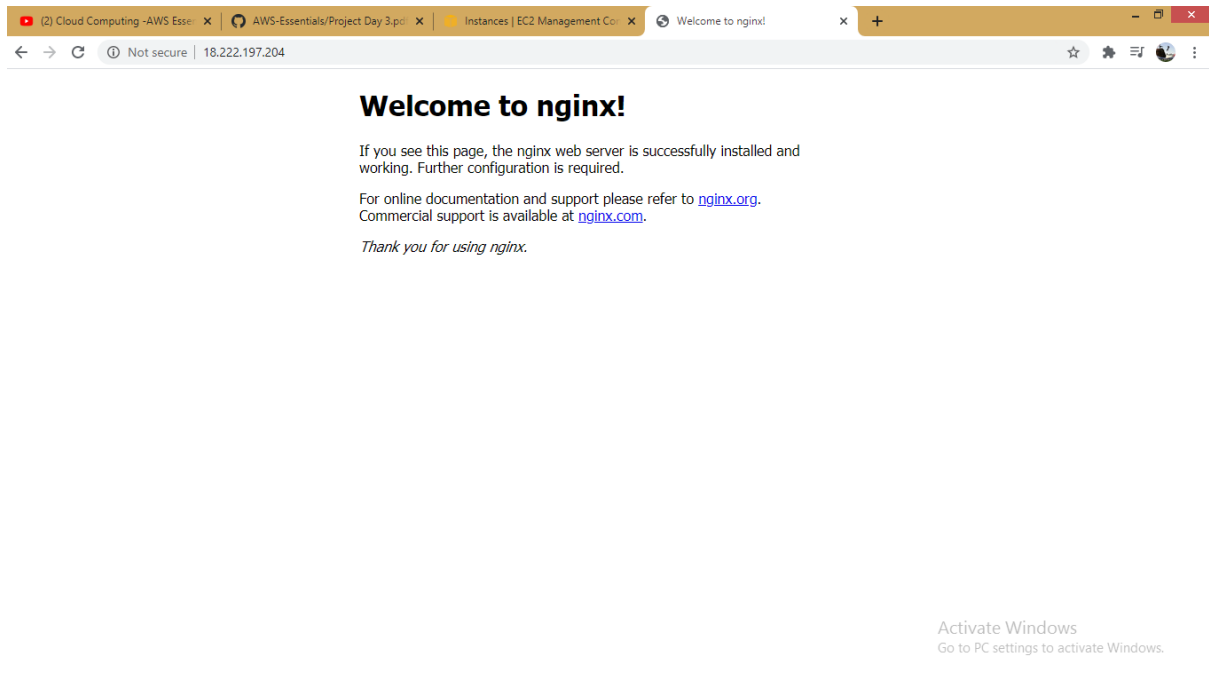
```
18.222.197.204 (ubuntu)
Terminal Sessions View Xserver Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
Quick connect...
home/ubuntu/
Name
...
.cache
.gnupg
.ssh
.bash_logout
.bashrc
.profile
.xauthority
Remote monitoring
Follow terminal folder
(SSH client, X-server and networking tools)
> SSH session to ubuntu@18.222.197.204
* 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 Mon Aug 17 15:45:08 UTC 2020
System load: 0.05 Processes: 95
Usage of /: 14.4% of 7.69GB Users logged in: 0
Memory usage: 18% IP address for eth0: 172.31.35.221
Swap usage: 0%
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
applicable law.
/usr/bin/xauth: file /home/ubuntu/.Xauthority does not exist
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
ubuntu@ip-172-31-35-221:~$
```

B) TO INSTALL NGINX WEBSEER USING BASH

The screenshot shows the MobaXterm interface with a terminal window connected to 18.222.197.204 (ubuntu). The terminal displays the installation of nginx, including the selection of previously unselected packages, the unpacking of the nginx-core package, and the setting up of the nginx-common package. The terminal also shows the installation of the nginx-core package and the setting up of the nginx-common package.

```
18.222.197.204 (ubuntu)
Terminal Sessions View Xserver Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
Quick connect...
User sessions
18.222.197.204 (ubuntu)
Selecting previously unselected package nginx-core.
Preparing to unpack .../16-nginx-core_1.14.0-0ubuntu1.7_amd64.deb ...
Unpacking nginx-core (1.14.0-0ubuntu1.7) ...
Selecting previously unselected package nginx.
Preparing to unpack .../17-nginx_1.14.0-0ubuntu1.7_all.deb ...
Unpacking nginx (1.14.0-0ubuntu1.7) ...
Setting up libjbig0:amd64 (2.1-3.1build1) ...
Setting up fonts-dejavu-core (2.37-1) ...
Setting up nginx-common (1.14.0-0ubuntu1.7) ...
Created symlink /etc/systemd/system/multi-user.target.wants/nginx.service → /lib/systemd/system/nginx.service.
Setting up libjpeg-turbo8:amd64 (1.5.2-0ubuntu5.18.04.4) ...
Setting up libnginx-mod-mail (1.14.0-0ubuntu1.7) ...
Setting up libxpm4:amd64 (1:3.5.12-1) ...
Setting up libnginx-mod-http-xslt-filter (1.14.0-0ubuntu1.7) ...
Setting up libnginx-mod-http-geoip (1.14.0-0ubuntu1.7) ...
Setting up libwebp6:amd64 (0.6.1-2) ...
Setting up libjpeg8:amd64 (8c-2ubuntu8) ...
Setting up fontconfig-config (2.12.6-0ubuntu2) ...
Setting up libnginx-mod-stream (1.14.0-0ubuntu1.7) ...
Setting up libtiff5:amd64 (4.0.9-5ubuntu0.3) ...
Setting up libfontconfig1:amd64 (2.12.6-0ubuntu2) ...
Setting up libgd3:amd64 (2.2.5-4ubuntu0.4) ...
Setting up libnginx-mod-http-image-filter (1.14.0-0ubuntu1.7) ...
Setting up nginx-core (1.14.0-0ubuntu1.7) ...
Setting up nginx (1.14.0-0ubuntu1.7) ...
Processing triggers for systemd (237-3ubuntu0.42) ...
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
Processing triggers for ufw (0.36-0ubuntu0.18.04.1) ...
Processing triggers for ureadahead (0.100.0-21) ...
Processing triggers for libc-bin (2.27-3ubuntu1.2) ...
ubuntu@ip-172-31-35-221:~$
Remote side unexpectedly closed network connection
Session stopped
- Press <return> to exit tab
- Press R to restart session
- Press S to save terminal output to file
Activate Windows
Go to PC settings to activate Windows.
```

C) VERIFICATION:



REVIEW ON INSTANCE:

