# **AWS Essential Assignment Batch1 Day3**

### **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.

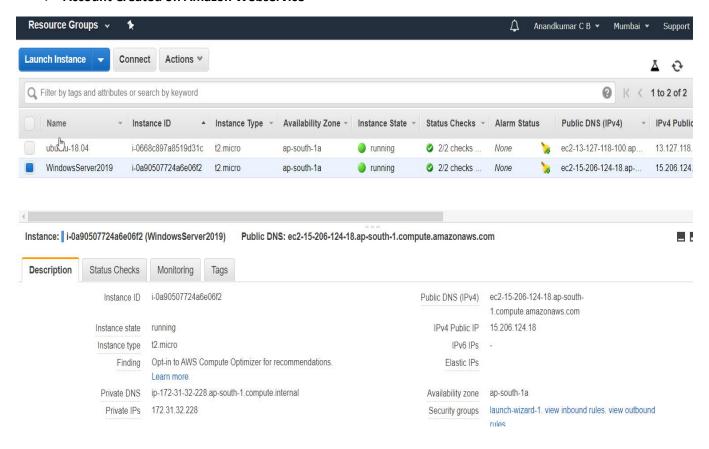
!!!!Powershell is case sensitive.

Install-WindowsFeature -name Web-Server -IncludeManagementTools

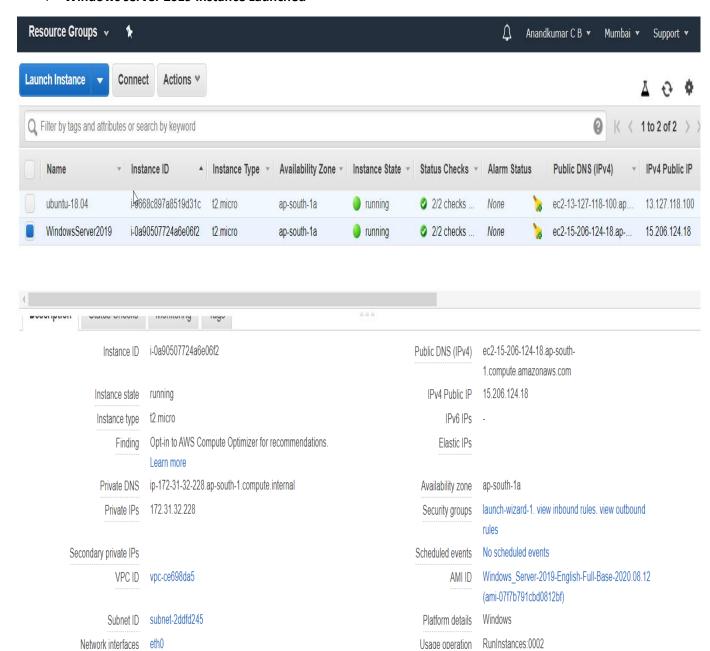
Task 4: Verify successful installation of IIS Web Server
 Note: You should be able to see the Internet Information Services Web page when you paste the public IP into the browser

#### Solution:

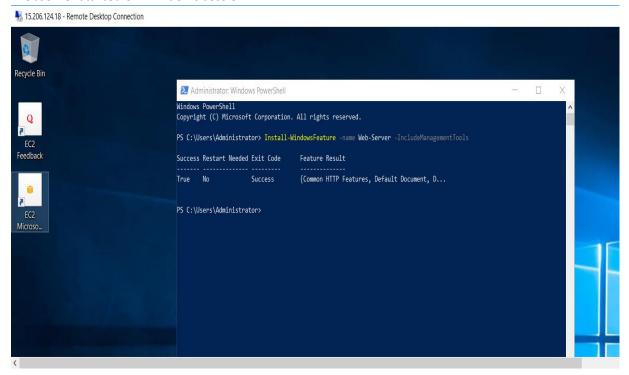
### Account Created on Amazon Webservice



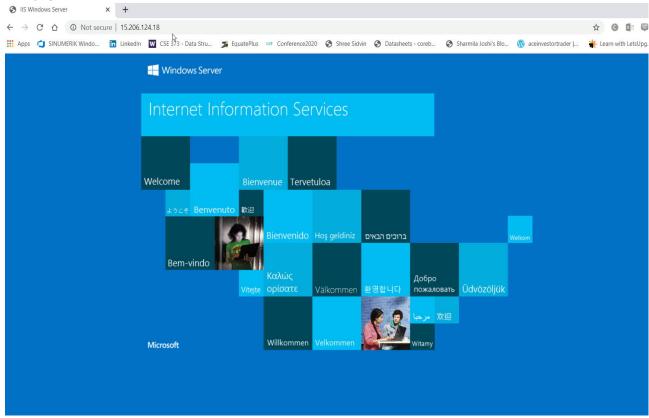
# Windows server 2019 Instance Launched



# Webserver started on Windows session



# ❖ Webpages check done



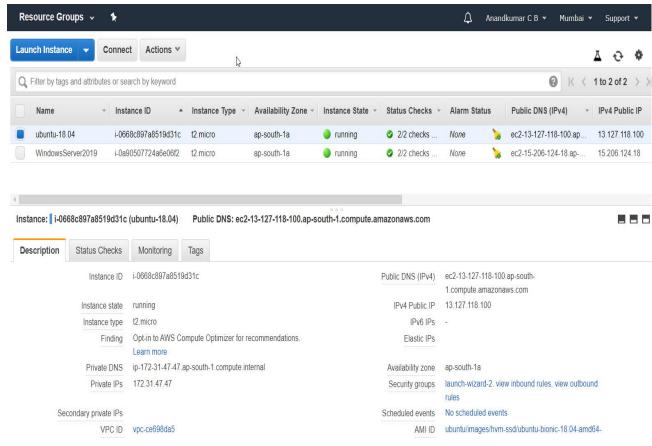
#### **PROJECT 2:**

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 AWS Essentials | August 2020
- Task 3: Launch the Ubuntu instance using SSH Note: Username is ubuntu
- Task 4: Install ngnix web server using bash
   Note: Simply copy the command below and paste in the bash to install the ngnix web server.
   sudo apt-get -y update
   sudo apt-get -y install nginx
- Task 5: Verify successful installation of ngnix
   Note: You should be able to see the Welcome to ngnix Web page when you paste the public IP into the browser.

### **Solution:**

Ubuntu 18.04 instance create



# Connected to Ubuntu instance using putty

 ubuntu@ip-172-31-47-47: ~ Using username "ubuntu". Authenticating with public key "imported-openssh-key" 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 Wed Aug 19 04:55:16 UTC 2020 System load: 0.0 Processes:
Usage of /: 14.4% of 7.69GB Users logged in:
Memory usage: 17% IP address for et IP address for eth0: 172.31.47.47 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. To run a command as administrator (user "root"), use "sudo <command>". See "man sudo\_root" for details.

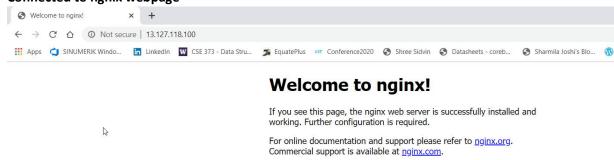
### Installed Ngnix

ubuntu@ip-172-31-47-47: ~

```
"man sudo root" for details.
ubuntu@ip-172-31-47-47:~$ sudo apt-get update
Get:1 http://security.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB] Hit:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic InRelease
Get:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates InRelease [
Get:4 http://security.ubuntu.com/ubuntu bionic-security/main amd64 Packages [811
kB1
Get:5 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-backports InRelease
[74.6 kB]
Get:6 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/universe amd64 Pack
ages [8570 kB]
Get:7 http://security.ubuntu.com/ubuntu bionic-security/main Translation-en [254
kB]
Get:8 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/universe Translatio
n-en [4941 kB]
Get:9 http://security.ubuntu.com/ubuntu bionic-security/universe amd64 Packages
[695 kB]
Get:10 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/multiverse amd64 P
ackages [151 kB]
Get:11 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/multiverse Transla
Get:12 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64
 Packages [1036 kB]
Get:13 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main Trans
lation-en [348 kB]
Get:14 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/restricted
amd64 Packages [85.1 kB]
Get:15 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/restricted
Translation-en [18.7 kB]
Get:16 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/universe a
md64 Packages [1100 kB]
Get:17 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/universe T
ranslation-en [342 kB]
Get:18 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/multiverse
amd64 Packages [19.4 kB]
Get:19 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/multiverse Translation-en [6740 B]
Get:20 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-backports/main amd
64 Packages [7516 B]
Get:21 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-backports/main Tra
nslation-en [4764 B]
Get:22 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-backports/universe
  amd64 Packages [7736 B]
Get:23 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-backports/universe
 Translation-en [4588 B]
Get:24 http://security.ubuntu.com/ubuntu bionic-security/universe Translation-en
```

```
ubuntu@ip-172-31-47-47:~$ sudo apt-get install nginx
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  fontconfig-config fonts-dejavu-core libfontconfig1 libgd3 libjbig0
  libjpeg-turbo8 libjpeg8 libnginx-mod-http-geoip
  libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter
  libnginx-mod-mail libnginx-mod-stream libtiff5 libwebp6 libxpm4 nginx-common
  nginx-core
Suggested packages:
  libgd-tools fcgiwrap nginx-doc ssl-cert
The following NEW packages will be installed:
  fontconfig-config fonts-dejavu-core libfontconfig1 libgd3 libjbig0
  libjpeg-turbo8 libjpeg8 libnginx-mod-http-geoip
  libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter
  libnginx-mod-mail libnginx-mod-stream libtiff5 libwebp6 libxpm4 nginx
  nginx-common nginx-core
0 upgraded, 18 newly installed, 0 to remove and 2 not upgraded.
Need to get 2462 kB of archives.
After this operation, 8210 kB of additional disk space will be used.
Do you want to continue? [Y/n] Y
Get:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64
libjpeg-turbo8 amd64 1.5.2-0ubuntu5.18.04.4 [110 kB]
Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 fonts-de
javu-core all 2.37-1 [1041 kB]
Get:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 fontconf
ig-config all 2.12.6-Oubuntu2 [55.8 kB]
Get:4 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 libfontc
onfig1 amd64 2.12.6-0ubuntu2 [137 kB]
Get:5 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 libjpeg8
amd64 8c-2ubuntu8 [2194 B]
Get:6 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 libjbig0
amd64 2.1-3.1build1 [26.7 kB]
Get:7 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64
libtiff5 amd64 4.0.9-5ubuntu0.3 [153 kB]
Get:8 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 libwebp6
amd64 0.6.1-2 [185 kB]
Get:9 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 libxpm4
amd64 1:3.5.12-1 [34.0 kB]
Get:10 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64
libgd3 amd64 2.2.5-4ubuntu0.4 [119 kB]
Get:11 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64
 nginx-common all 1.14.0-0ubuntu1.7 [37.4 kB]
```

# Connected to ngnix webpage



Thank you for using nginx.