

## PROJECT 1:

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

The screenshot displays the AWS Management Console interface. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and user information for 'naveen.dodeja.2006' in the 'Ohio' region. The left sidebar shows the 'EC2 Dashboard' with various navigation options like 'Events', 'Tags', 'Limits', 'Instances', 'Instance Types', 'Launch Templates', 'Spot Requests', 'Savings Plans', 'Reserved Instances', 'Dedicated Hosts', 'Capacity Reservations', 'Images', and 'Elastic Block Store'. The main content area shows a list of instances with a search bar containing 'i-04cddaa40e4925836'. A table lists the instance details:

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
Windows Ser...	i-04cddaa40e4925836	t2.micro	us-east-2c	running	2/2 checks ...	None	ec2-3-129-17-97.us-east-2.compute.amazonaws.com

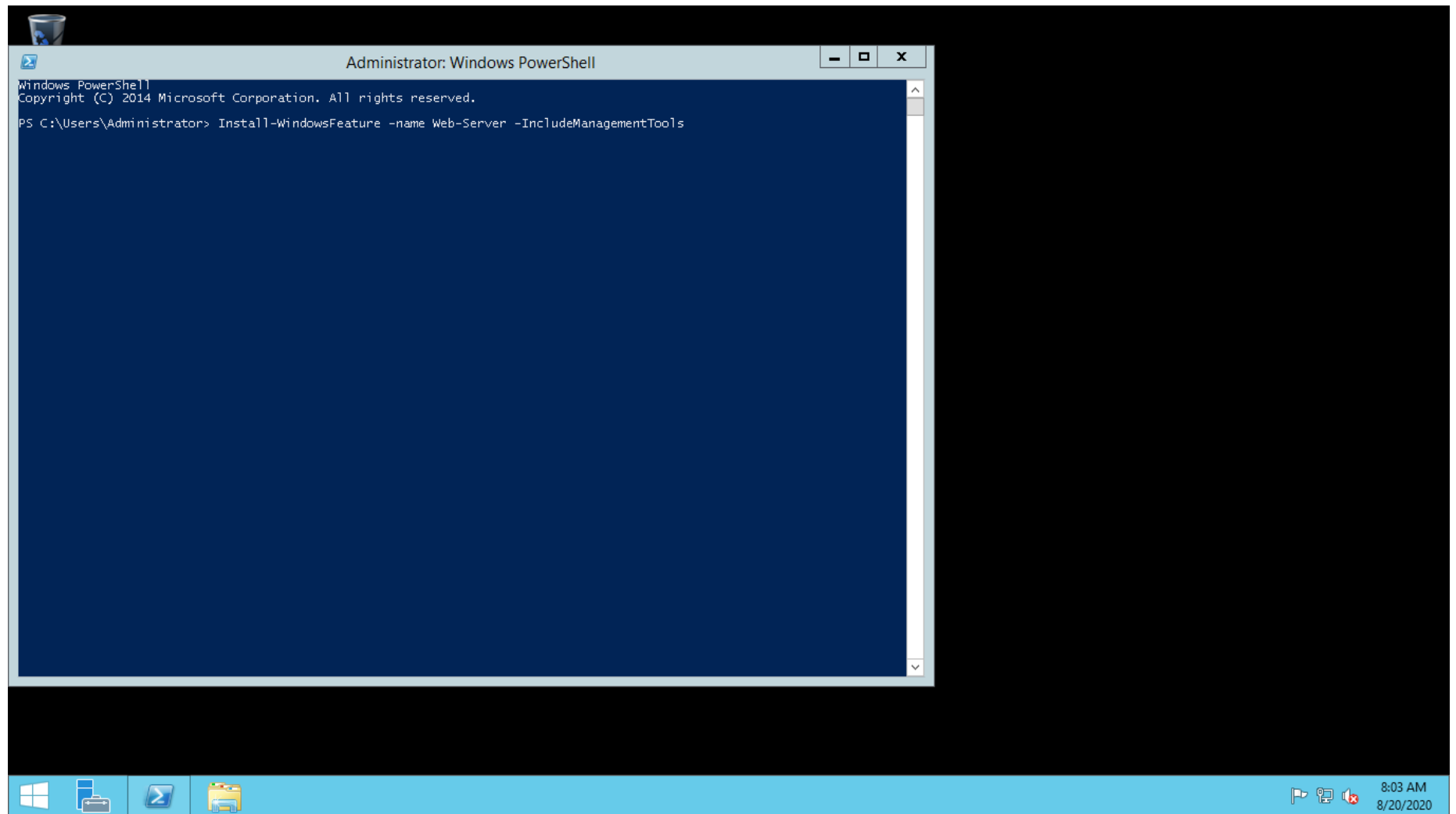
Below the table, the details for the selected instance 'i-04cddaa40e4925836 (Windows Server)' are shown. The 'Public DNS' is 'ec2-3-129-17-97.us-east-2.compute.amazonaws.com'. The 'Description' tab is active, showing the instance ID, state (running), and public IP (3.129.17.97).

At the bottom of the console, there is a footer with 'Feedback', 'English (US)', copyright information '© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.', and links to 'Privacy Policy' and 'Terms of Use'. The Windows taskbar at the very bottom shows the time as 1:16 PM on 8/20/2020.

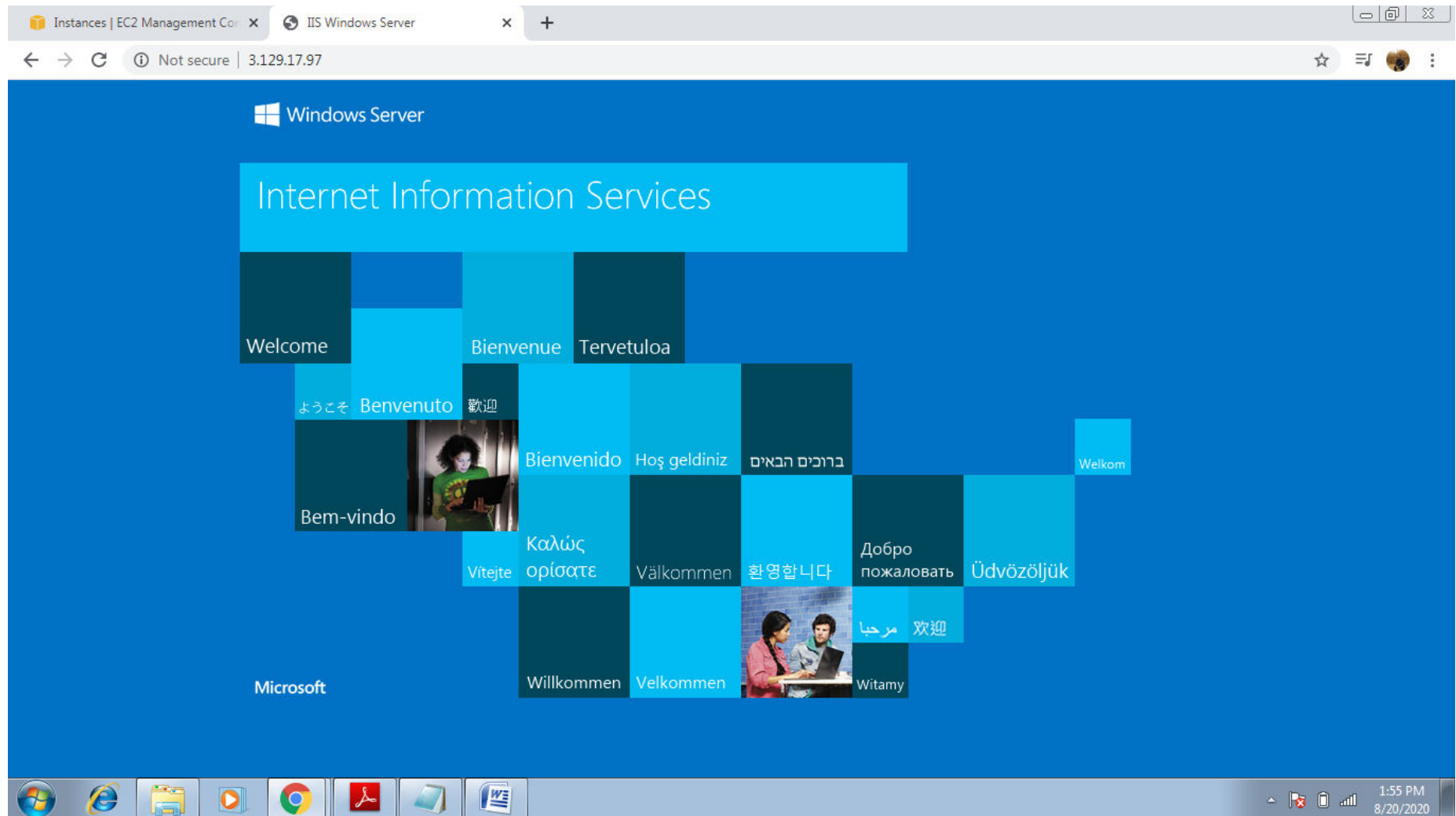
## Task 2 - Launch the Windows instance using RDP



### Task 3 - Install IIS web server using Powershell ISE

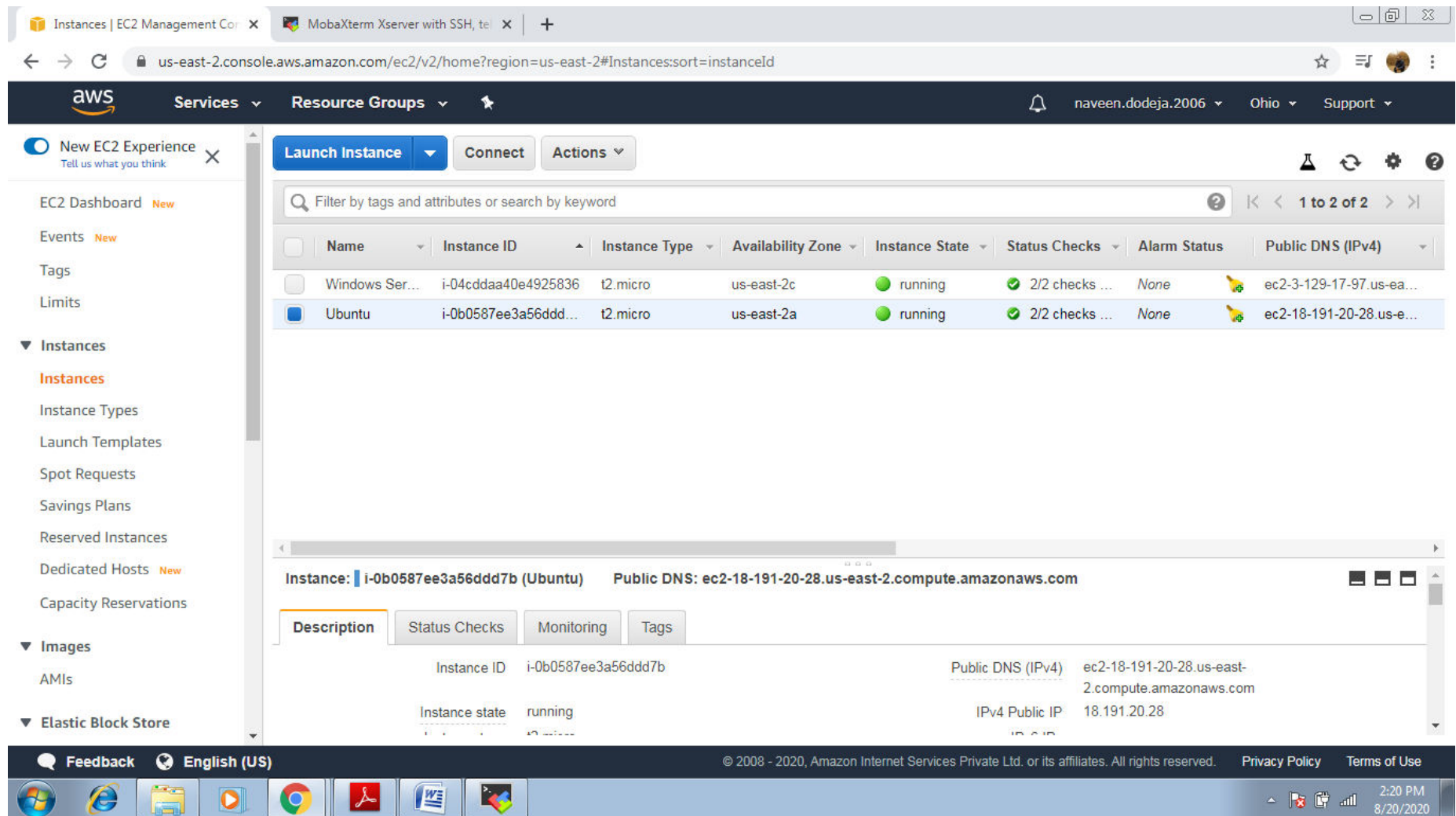


#### Task 4 - Verify successful installation of IIS Web Server



## PROJECT 2:

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



The screenshot displays the AWS Management Console interface. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and user information. The left sidebar shows the 'Instances' section expanded. The main content area lists two EC2 instances: 'Windows Ser...' and 'Ubuntu'. The 'Ubuntu' instance is selected, and its details are shown in the bottom pane. The instance is named 'Ubuntu', has an ID of 'i-0b0587ee3a56ddd7b', and is running in the 'us-east-2a' availability zone. The public DNS is 'ec2-18-191-20-28.us-east-2.compute.amazonaws.com' and the public IP is '18.191.20.28'.

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
Windows Ser...	i-04cddaa40e4925836	t2.micro	us-east-2c	running	2/2 checks ...	None	ec2-3-129-17-97.us-ea...
Ubuntu	i-0b0587ee3a56ddd...	t2.micro	us-east-2a	running	2/2 checks ...	None	ec2-18-191-20-28.us-e...

Instance: **i-0b0587ee3a56ddd7b (Ubuntu)** Public DNS: **ec2-18-191-20-28.us-east-2.compute.amazonaws.com**

**Description** | Status Checks | Monitoring | Tags

Instance ID	Public DNS (IPv4)
i-0b0587ee3a56ddd7b	ec2-18-191-20-28.us-east-2.compute.amazonaws.com

Instance state	IPv4 Public IP
running	18.191.20.28

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2:20 PM 8/20/2020

## Task 2 - Download and install MobaXterm Portable Edition

The screenshot shows a web browser window with the MobaXterm website. The browser's address bar displays the URL `mobaxterm.mobatek.net/download-home-edition.html`. The website's navigation bar includes links for Home, Demo, Features, Download, Plugins, Help, and Contact, along with social media icons and buttons for 'Customer area' and 'Buy'. The main content area is titled 'MobaXterm Home Edition' and provides instructions on how to download the current version. Two prominent buttons are shown: a blue button for 'MobaXterm Home Edition v20.3 (Portable edition)' and a green button for 'MobaXterm Home Edition v20.3 (Installer edition)'. Below these, there are links to download the previous stable version (v20.2) for both portable and installer editions. A section for the 'MobaXterm Preview Version' is also present, with an orange button to download it. The website also includes a disclaimer about accepting terms and conditions and a link to download sources. At the bottom of the browser window, a taskbar shows various application icons, including a file explorer window for 'MobaXterm\_Porta...zip' (12.9/24.9 MB). The system clock in the bottom right corner indicates the time is 2:02 PM on 8/20/2020.


Launch instance wizard | EC2 Ma x MobaXterm Xserver with SSH, te x +


← → ↻ `mobaxterm.mobatek.net/download-home-edition.html` ☆ ≡ 👤 ⋮

**MobaXterm** Home Demo **Features** **Download** Plugins Help Contact f t s p Customer area Buy

### MobaXterm Home Edition

Download MobaXterm Home Edition (current version):

 **MobaXterm Home Edition v20.3**  
(Portable edition)

 **MobaXterm Home Edition v20.3**  
(Installer edition)

Download previous stable version: [MobaXterm Portable v20.2](#) [MobaXterm Installer v20.2](#)

You can also get early access to the latest features and improvements by downloading MobaXterm Preview version:

**MobaXterm Preview Version**

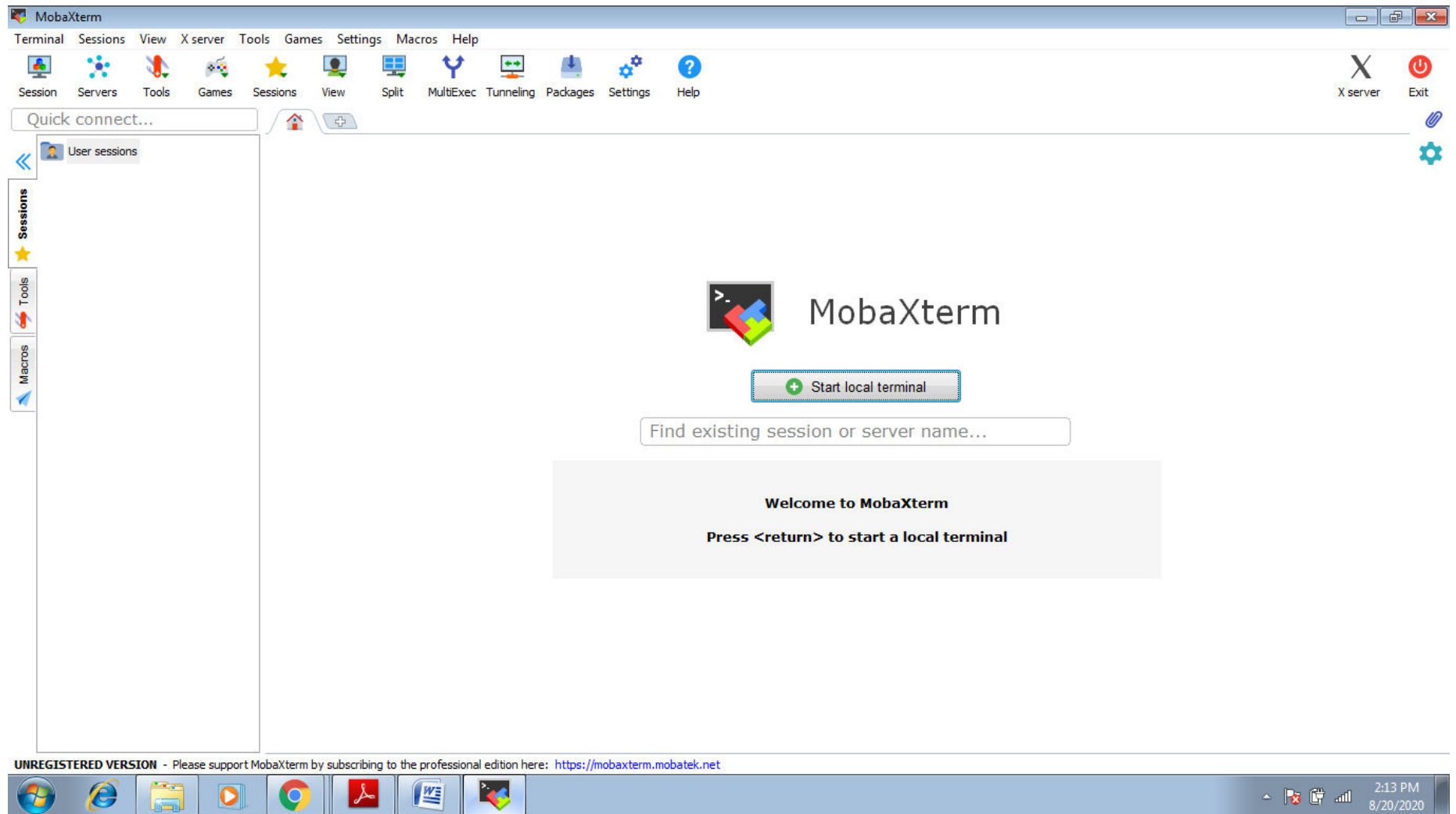
By downloading MobaXterm software, you accept [MobaXterm terms and conditions](#)

You can download MobaXterm and plugins sources [here](#)

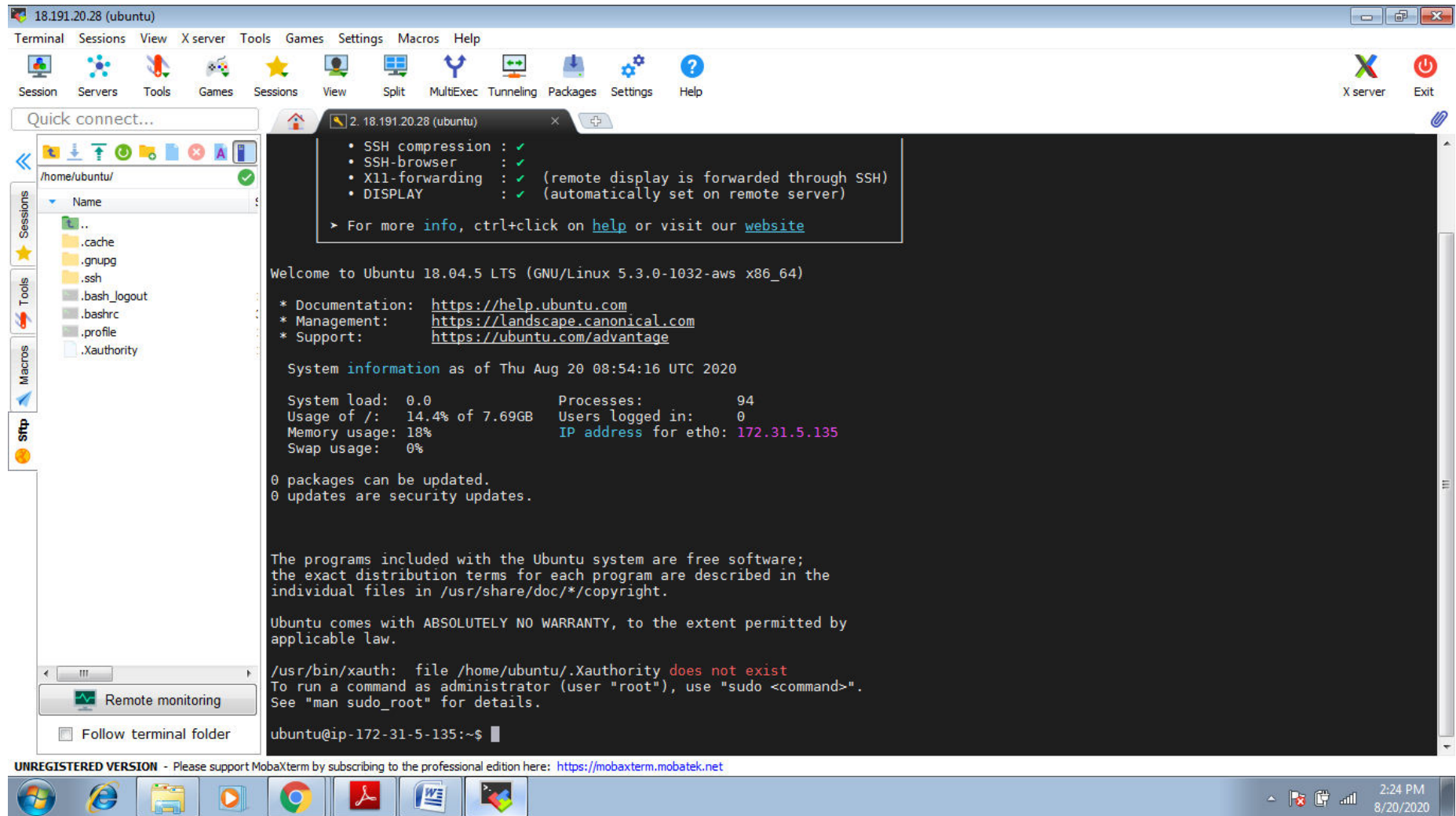
<https://mobaxterm.mobatek.net/features.html> ou use MobaXterm inside your company, you should consider subscribing to [MobaXterm Professional Edition](#): your subscription will

MobaXterm\_Porta...zip 12.9/24.9 MB Show all X

2:02 PM 8/20/2020

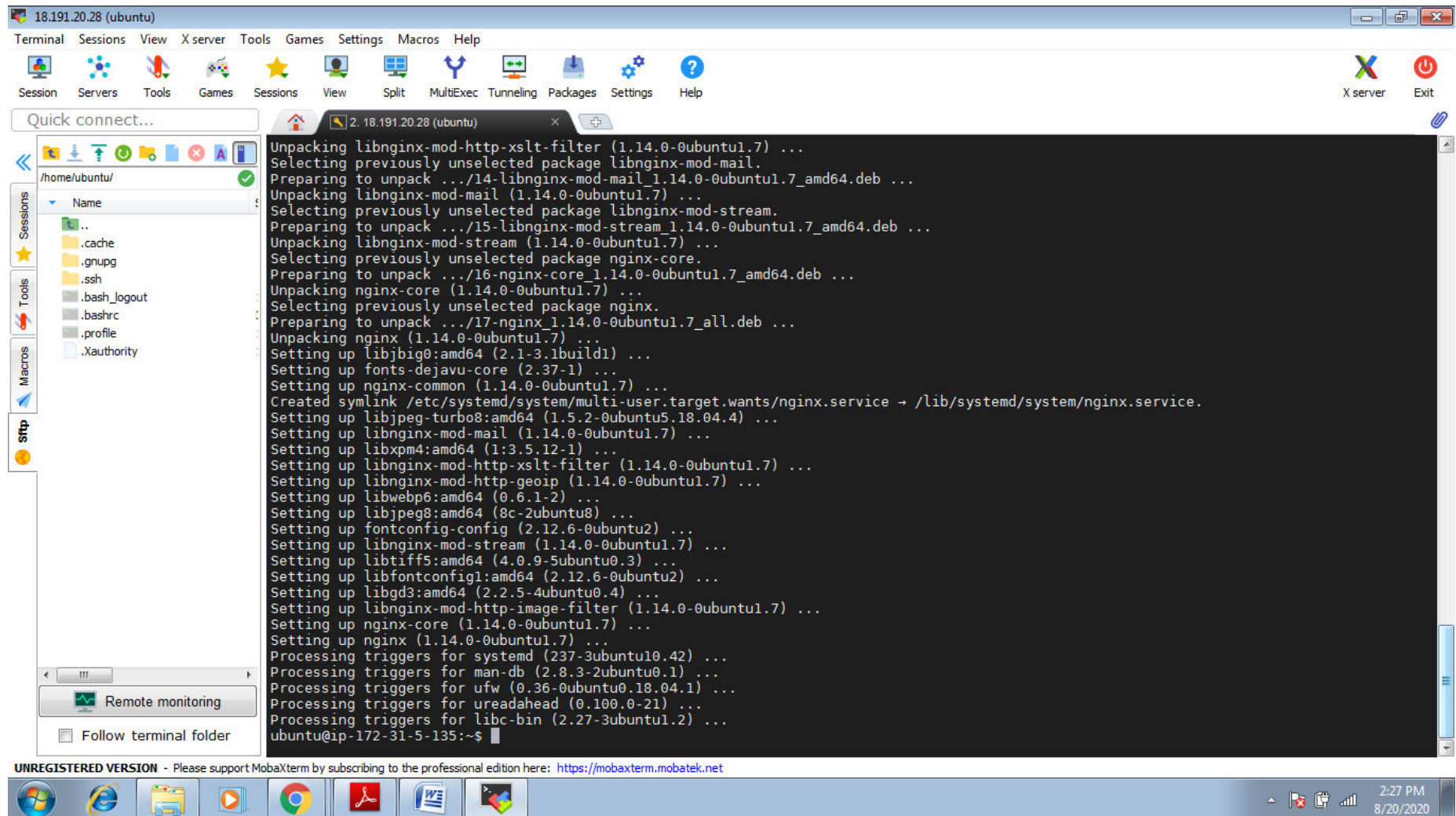


### Task 3 - Launch the Ubuntu instance using SSH





## Task 4 - Install nginx web server using bash



```
18.191.20.28 (ubuntu)
Terminal Sessions View X server 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
UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: https://mobaxterm.mobatek.net
2. 18.191.20.28 (ubuntu)
Unpacking libnginx-mod-http-xslt-filter (1.14.0-0ubuntu1.7) ...
Selecting previously unselected package libnginx-mod-mail.
Preparing to unpack .../14-libnginx-mod-mail_1.14.0-0ubuntu1.7_amd64.deb ...
Unpacking libnginx-mod-mail (1.14.0-0ubuntu1.7) ...
Selecting previously unselected package libnginx-mod-stream.
Preparing to unpack .../15-libnginx-mod-stream_1.14.0-0ubuntu1.7_amd64.deb ...
Unpacking libnginx-mod-stream (1.14.0-0ubuntu1.7) ...
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 libjpeg8: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 (237-3ubuntu10.42) ...
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-172-31-5-135:~$
```

## Task 5 - Verify successful installation of nginx

