

PROJECT 2:

Deploying a web server in Windows instance

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

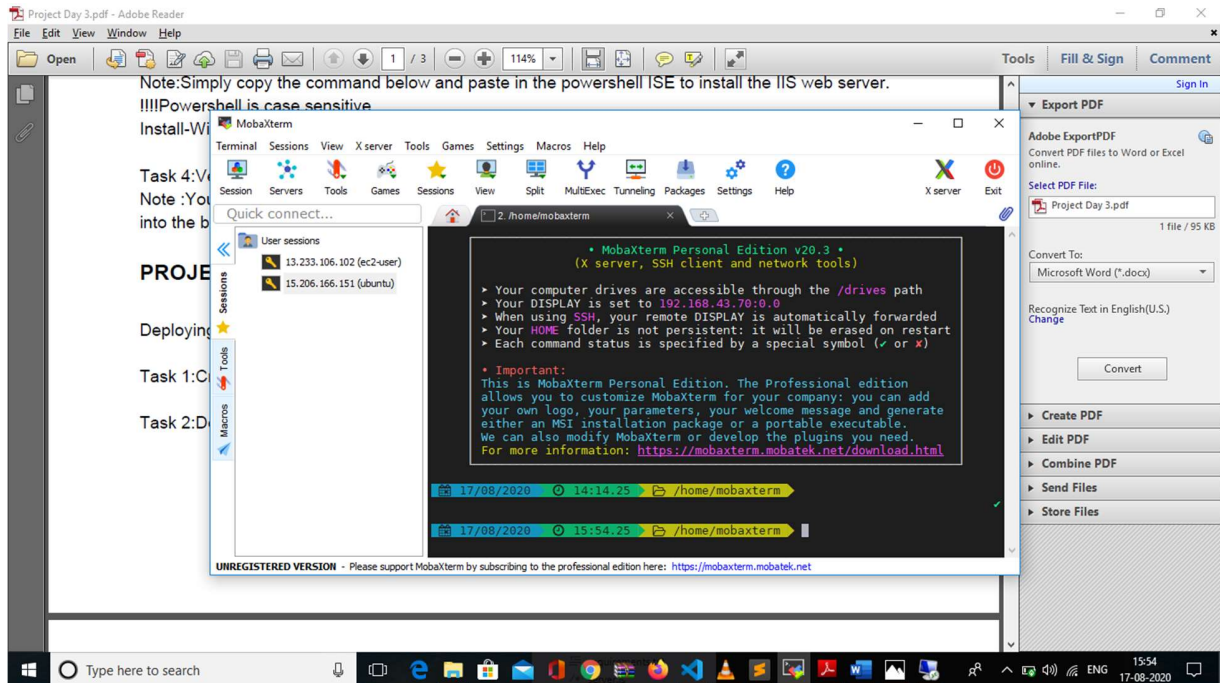
The screenshot displays the AWS Management Console interface during the EC2 instance creation process. The browser address bar shows the URL: `ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard:`. The console header includes the AWS logo, navigation tabs for Services and Resource Groups, and user information for 'ankit' in 'Mumbai'. The progress bar indicates the current step is '1. Choose AMI'.

The main content area is titled 'Step 1: Choose an Amazon Machine Image (AMI)'. It lists three available AMIs:

- Microsoft Windows Server 2016 Base** (ami-06187eae2b9efc80): Microsoft Windows 2016 Datacenter edition, [English]. Root device type: ebs, Virtualization type: hvm, ENA Enabled: Yes. 64-bit (x86).
- Microsoft Windows Server 2016 Base with Containers** (ami-0fce3334457a644ff): Microsoft Windows 2016 Datacenter edition with Containers, [English]. Root device type: ebs, Virtualization type: hvm, ENA Enabled: Yes. 64-bit (x86).
- Ubuntu Server 16.04 LTS (HVM), SSD Volume Type** (ami-08e76c6a76ebf6433 / ami-0f152f0680abc7ff2): Ubuntu Server 16.04 LTS (HVM), EBS General Purpose (SSD) Volume Type. Support available from Canonical (<http://www.ubuntu.com/cloud/services>). Root device type: ebs, Virtualization type: hvm, ENA Enabled: Yes. 64-bit (x86) is selected.

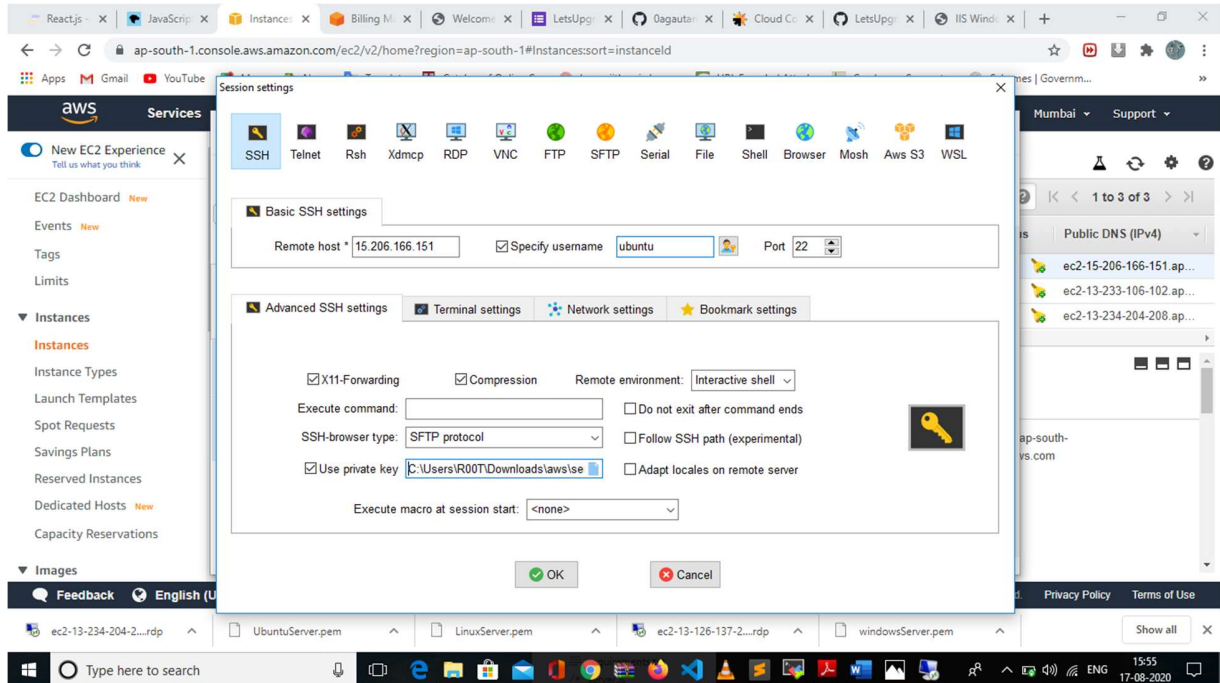
The bottom of the screenshot shows the Windows taskbar with the Start button, search bar, and various application icons. The system tray displays the time as 15:33 on 17-08-2020.

Task 2: Download and install MobaXterm Portable Edition

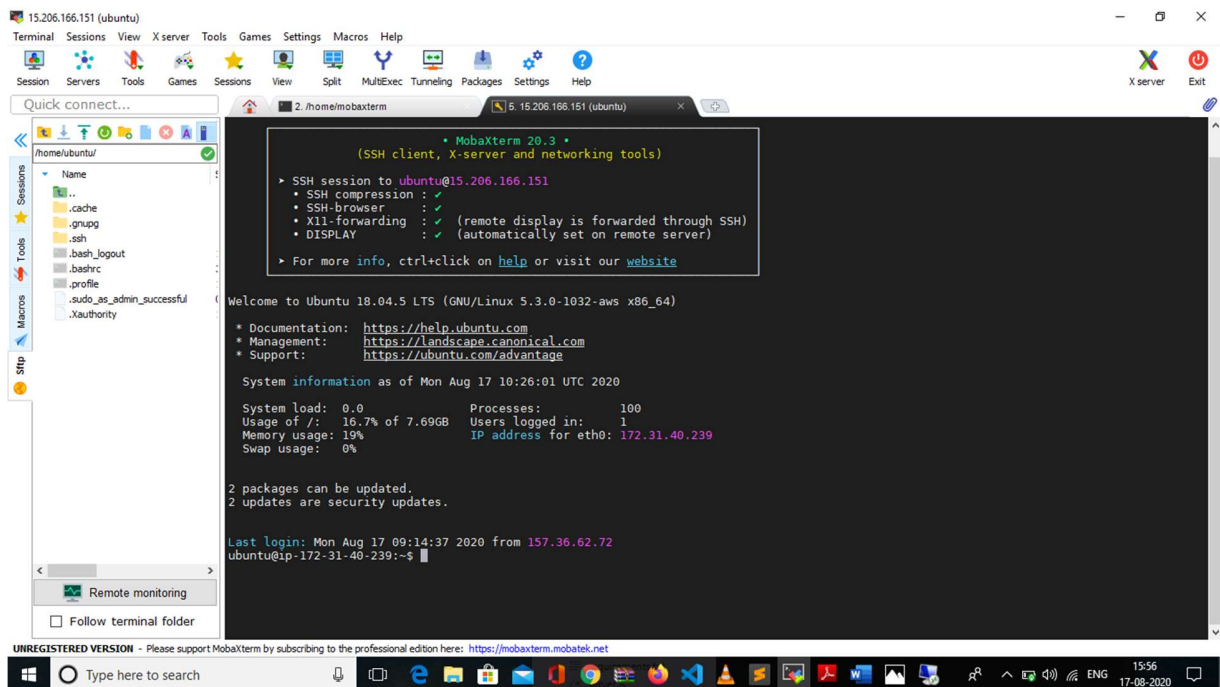


Task 2: Launch the Ubuntu instance using SSH

Note: Username is ubuntu



Task 3: Install nginx web server using bash



Task 4: Verify successful installation of nginx

The screenshot shows the AWS Management Console interface. The left sidebar contains navigation links for EC2 Dashboard, Events, Tags, Limits, Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, and Capacity Reservations. The main content area displays the details of the selected EC2 instance, 'Ubuntu' (ID: i-005d180f1561c83a1). The instance is in a 'running' state. The public DNS is 'ec2-15-206-166-151.ap-south-1.compute.amazonaws.com' and the public IP is '15.206.166.151'. The instance is located in the 'ap-south-1' region, 'ap-south-1a' availability zone, and 't2.micro' instance type. The private DNS is 'ip-172-31-40-239.ap-south-1.compute.amazonaws.com'.

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.

The screenshot shows the Windows taskbar and task view. The task view button is on the left, followed by the search bar. The taskbar contains several application icons: Edge, File Explorer, and the command prompt. The task view shows the taskbar and task view button.

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