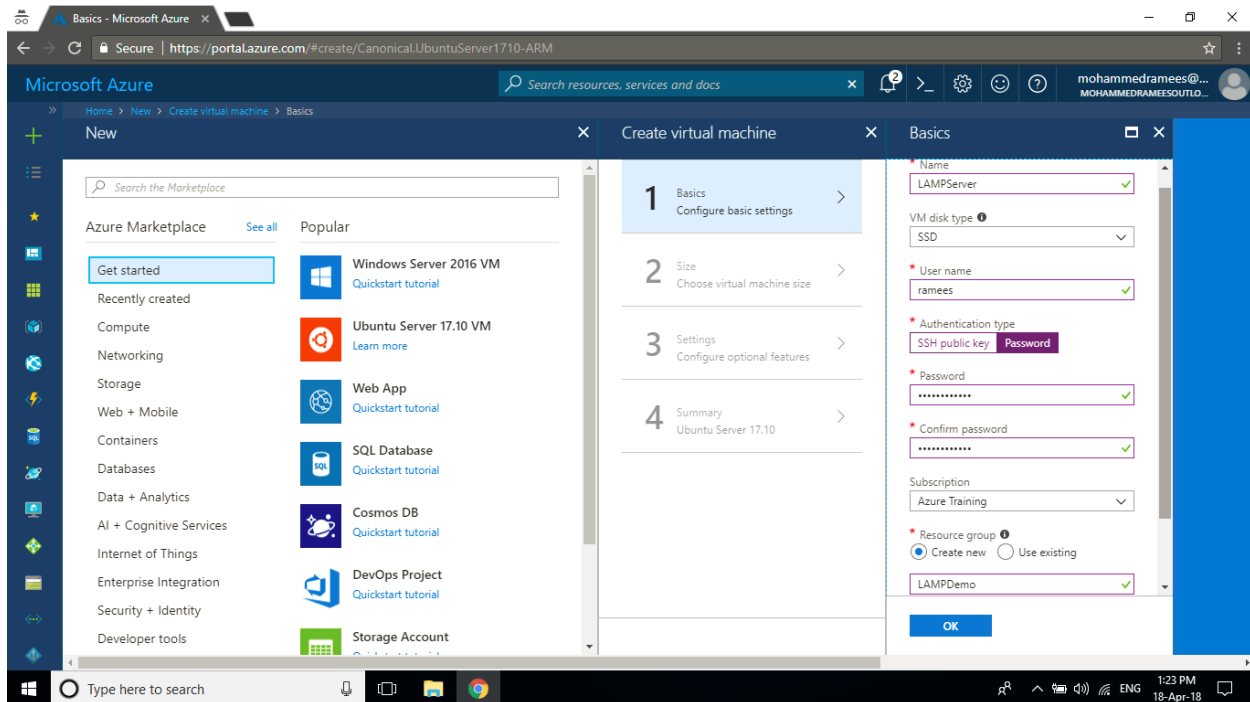
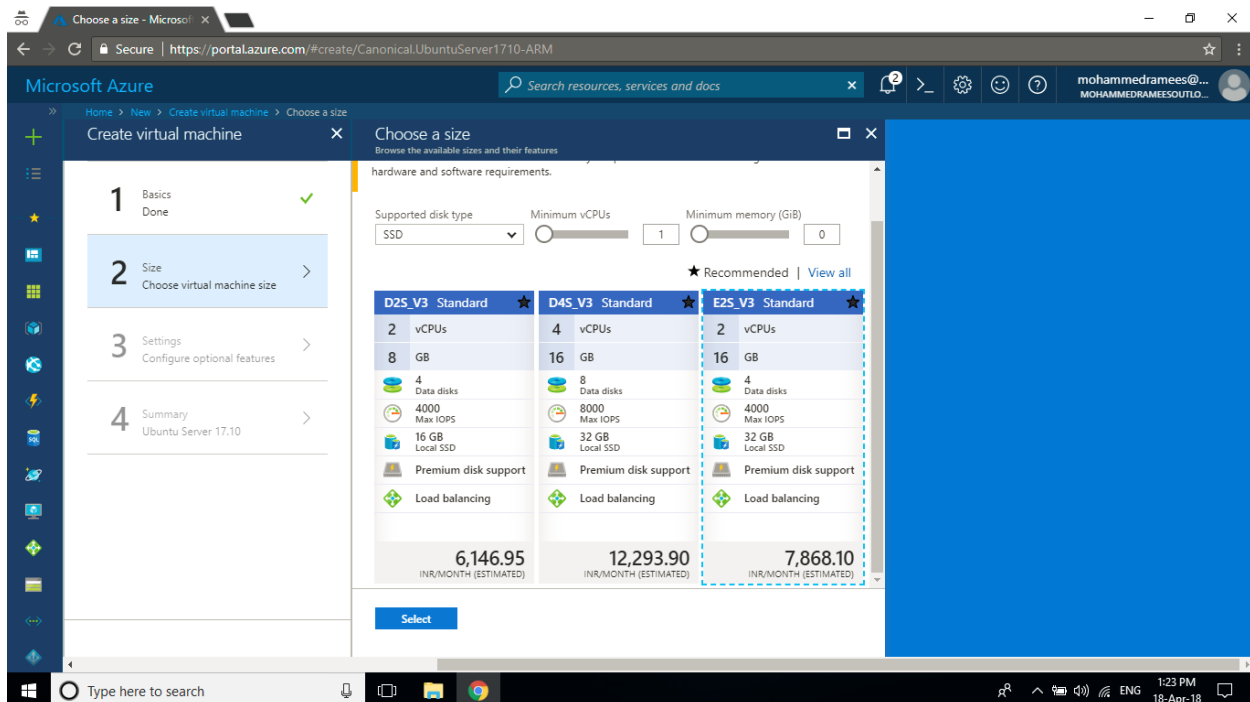


Availability Set for Virtual Machines

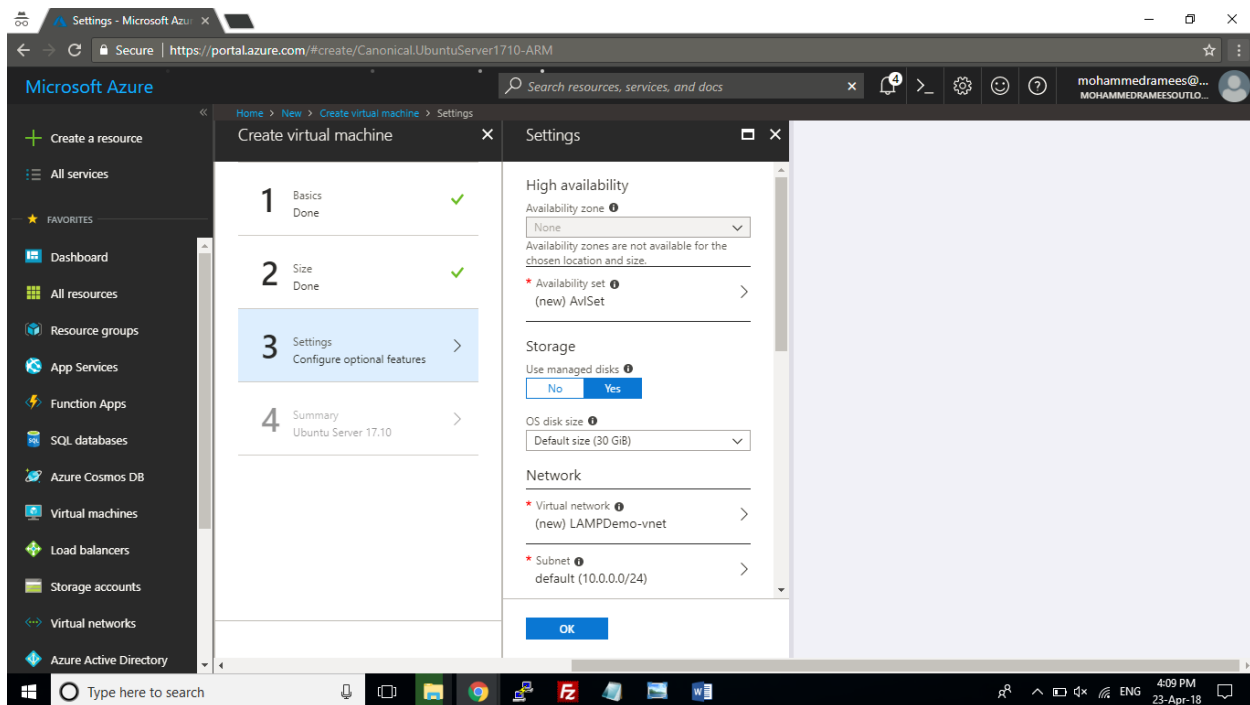
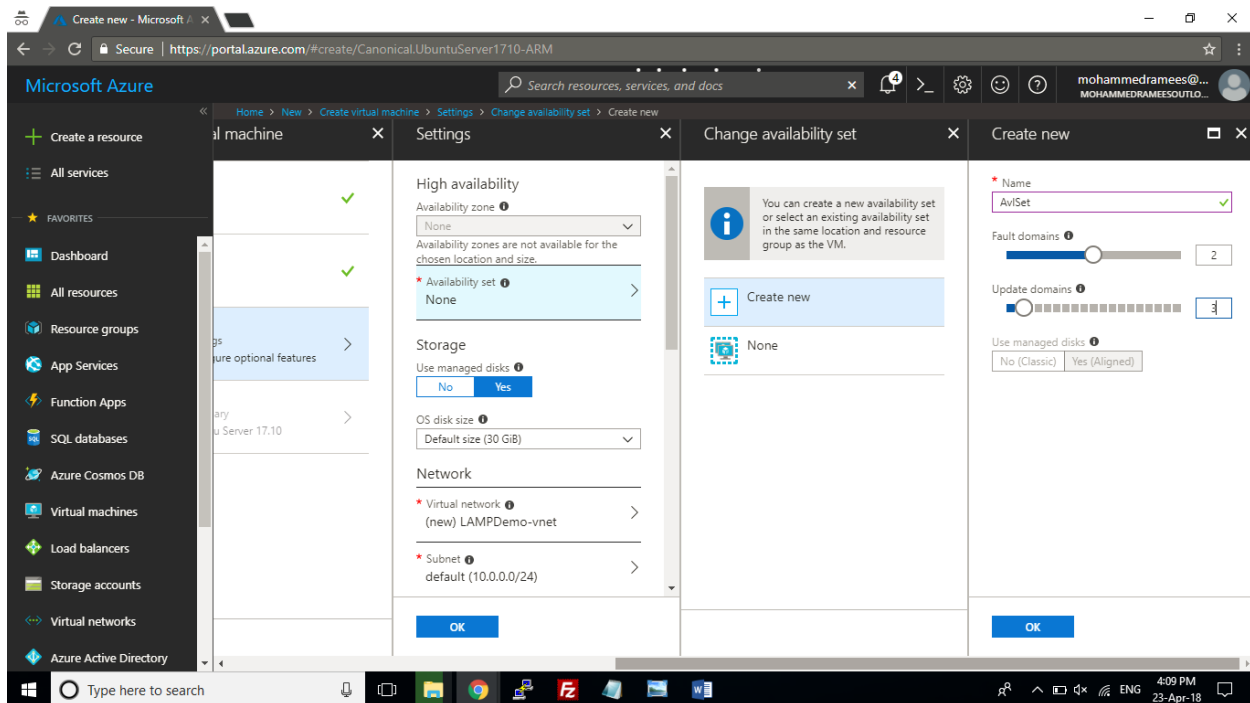
Step 1: Create a new **Ubuntu Server** from compute category. Fill the necessary details like **Name**, **Disk Type(SSD/HDD)**, **Username** and **Password** for login credentials, **Subscription** (if you have multiple), **Location** and put the associated resources in a new **Resource Group**



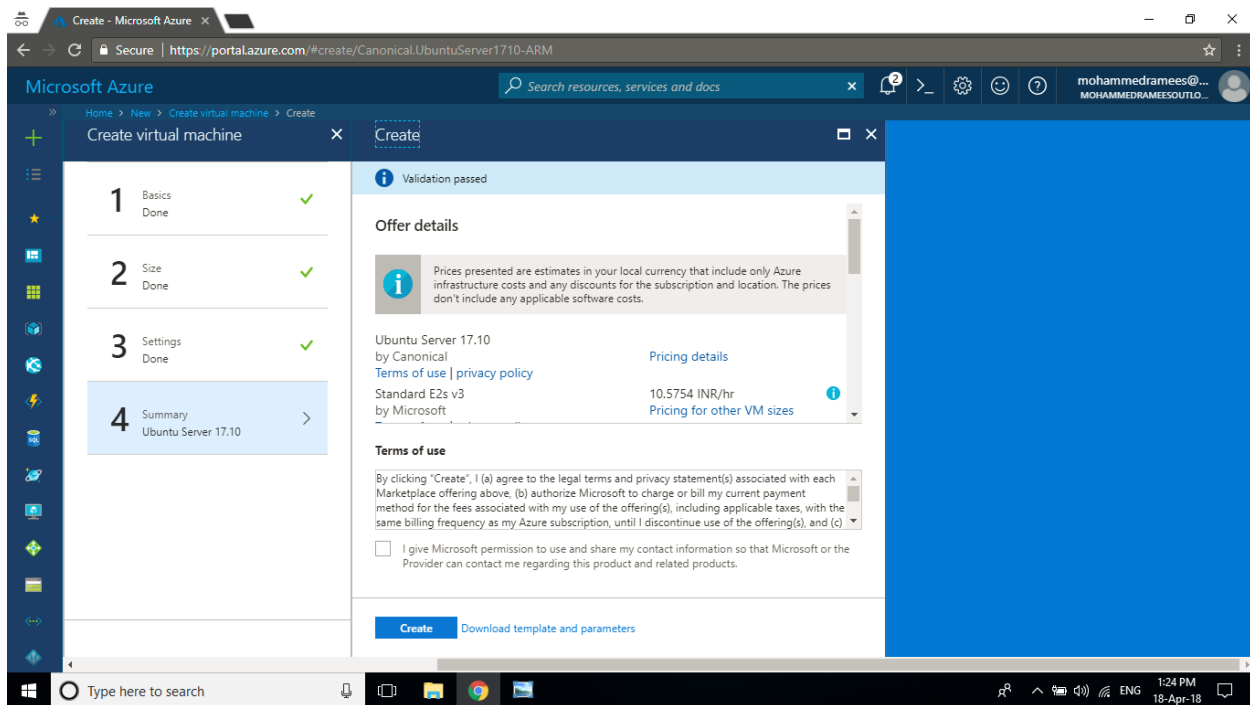
Step 2: In the second step select the **Size** of the required VM as per your business requirements. You can see what each size offers and how much it costs per month for the same.



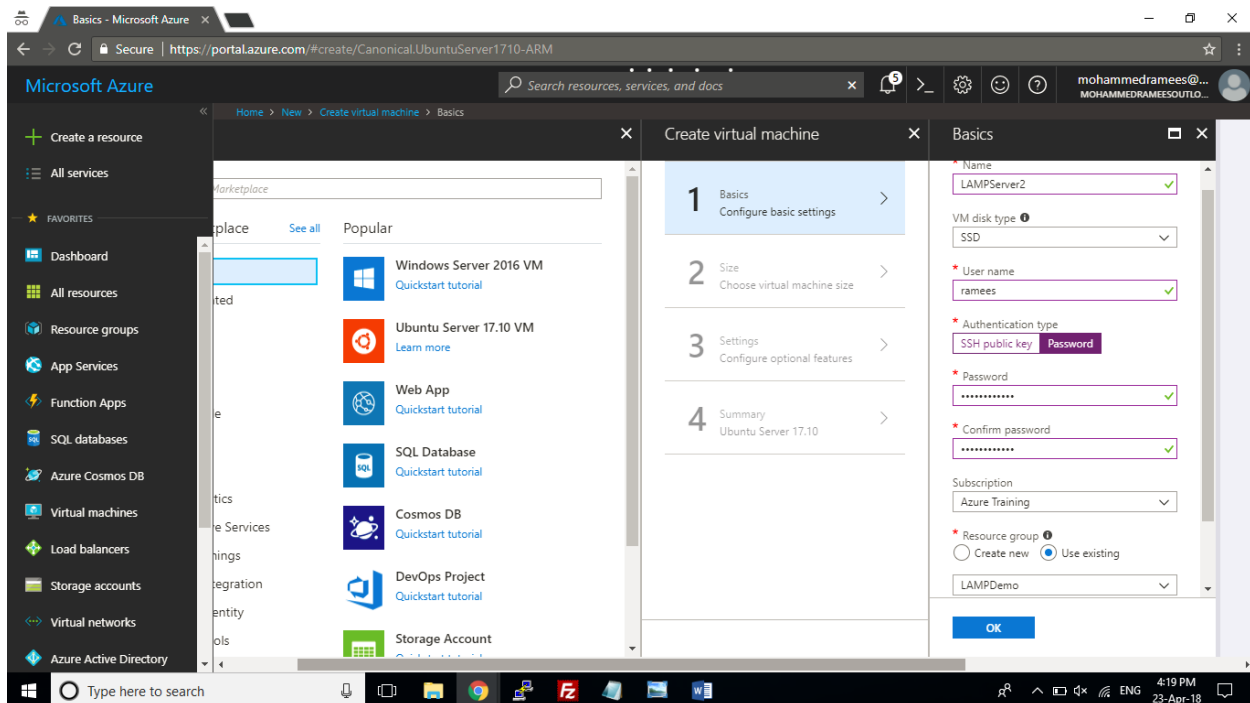
Step 3: In the third step create a new **Availability Set** and give a name for it, also specify the number of **Fault Domains** and **Update Domains** which I am giving two and three respectively for this demo. In this demo we are going with the defaults for all other settings.



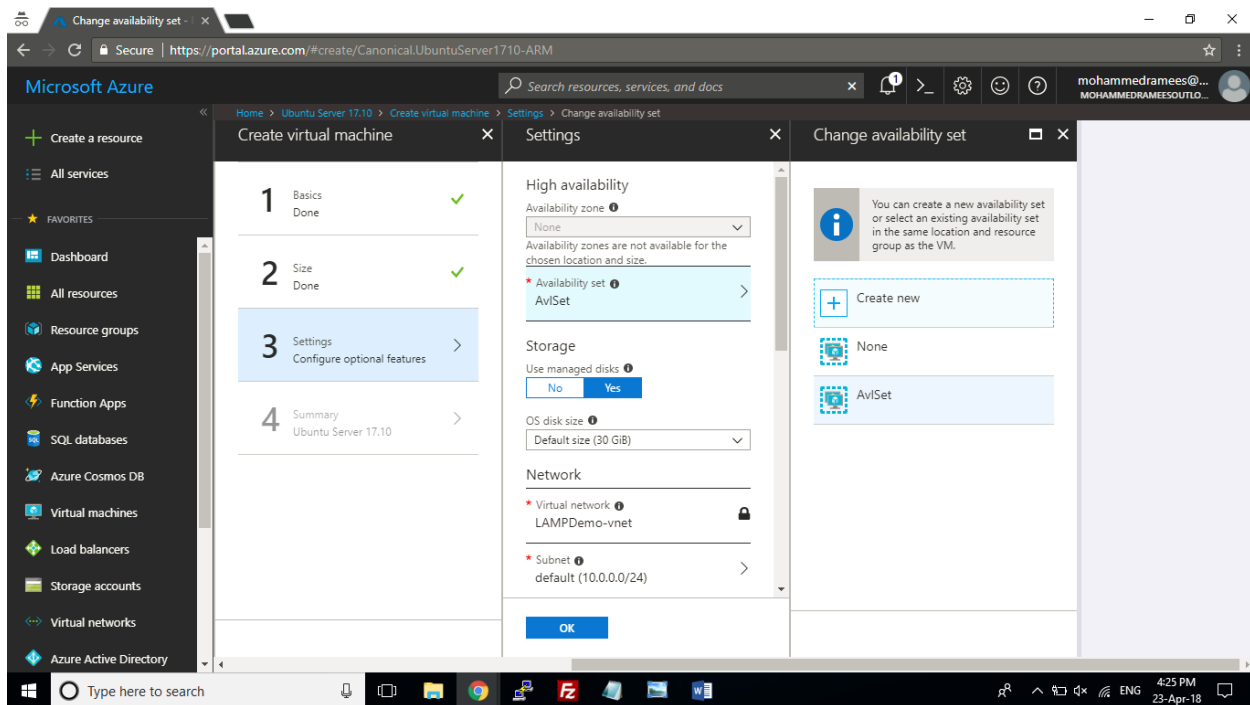
Step 4: On the final step wait for the final **Validation** to be passed and clicking on create will initiate the deployment of the VM. This may take few minutes and you can check the status from the notification bar.



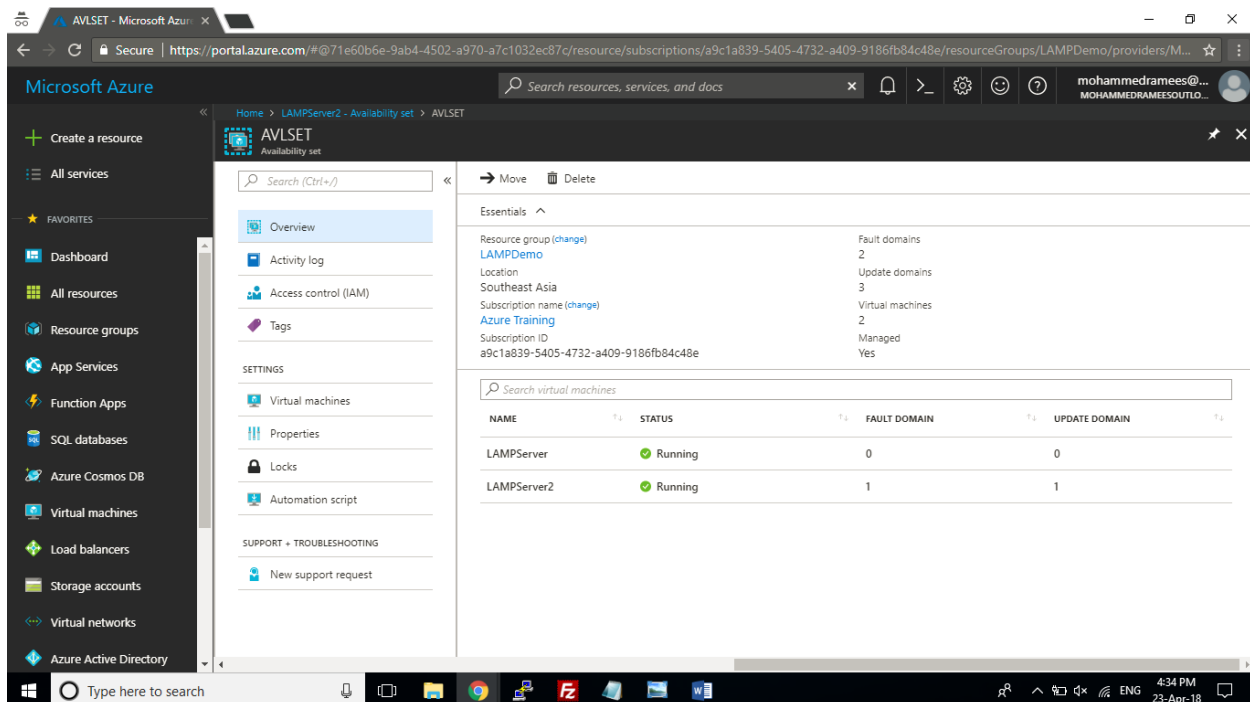
Step 5: Create another VM of the same configuration with a different name in the **Same Region** and the same **Resource Group**.



Step 6: In the third step of creation of second VM select, instead of creating a new Availability Set select the **existing Availability Set** created for the first VM. Leave all other settings as default as we did for the first VM



Step 7: Once the VM deployment is completed, select the **Availability Set** from the resource and you can see out two VMs listed in the availability set with Fault and Update domain listed as 0 and 1 as we have defined values 2 for Fault domain and 3 for Update Domain



Step 8: Adding one more VM in the same availability set will list in the fault domain 0 and update domain 2

The screenshot displays the Microsoft Azure portal interface. The left-hand navigation pane lists various services, with 'Virtual machines' selected. The main content area shows the 'AVLSET' Availability set configuration. The 'Overview' tab is active, displaying the following details:

- Resource group: LAMPDemo
- Location: Southeast Asia
- Subscription name: Azure Training
- Subscription ID: a9c1a839-5405-4732-a409-9186fb84c48e

On the right side, the 'Essentials' section provides a summary of the Availability Set's configuration:

Property	Value
Fault domains	2
Update domains	3
Virtual machines	3
Managed	Yes

Below this, a table lists the virtual machines associated with the Availability Set:

NAME	STATUS	FAULT DOMAIN	UPDATE DOMAIN
LAMPServer	Running	0	0
LAMPServer2	Running	1	1
LAMPServer3	Running	0	2

The bottom of the image shows the Windows taskbar with the search bar and system tray icons, indicating the time as 4:40 PM on 23-Apr-18.