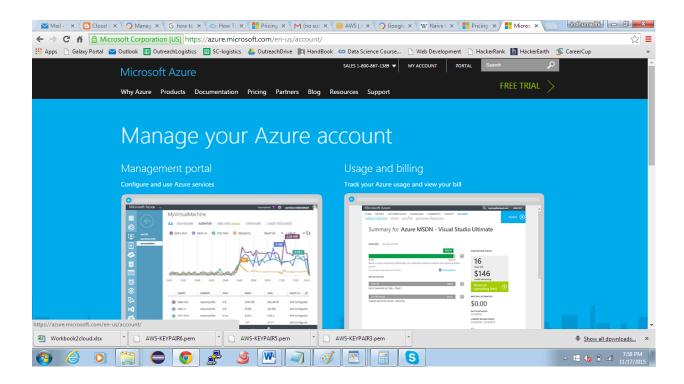
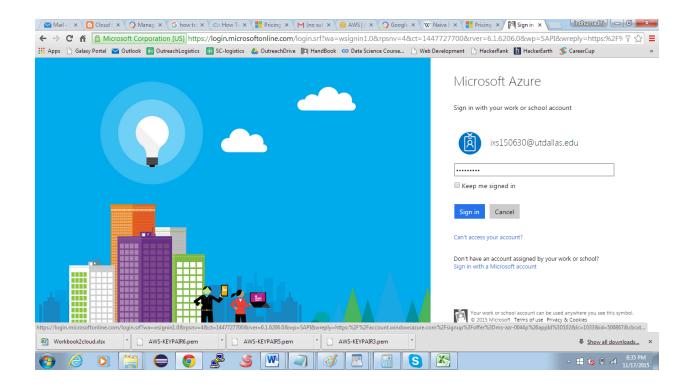
CLOUD PROVIDER USED: MICROSOFT AZURE

YCSB BENCHMARK ANALYSIS BY INDHUMADHI SURYANARAYANAN

1. How to sign up your Cloud provider.

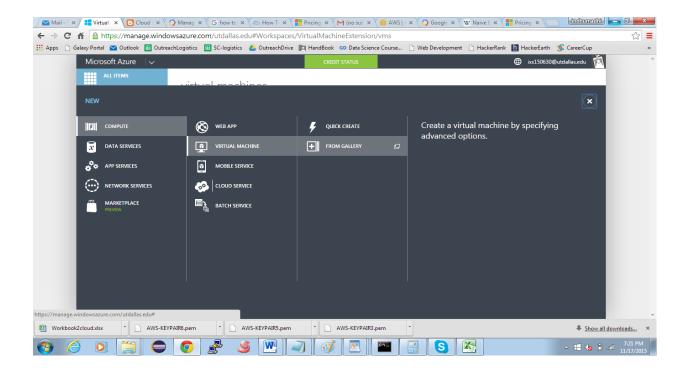
Go to Microsoft Azure link as shown in the figure and click on free trial and sign up using personal information along with giving your account or card details.

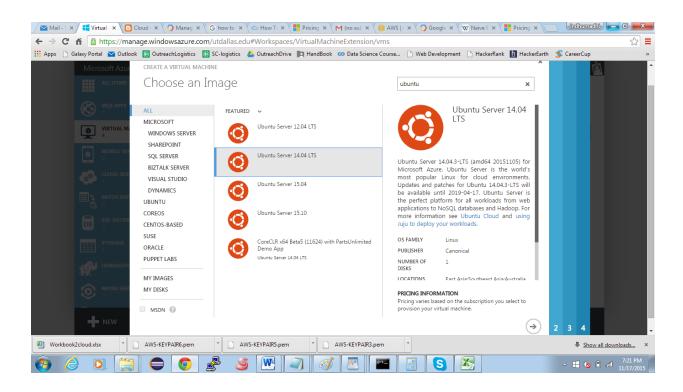


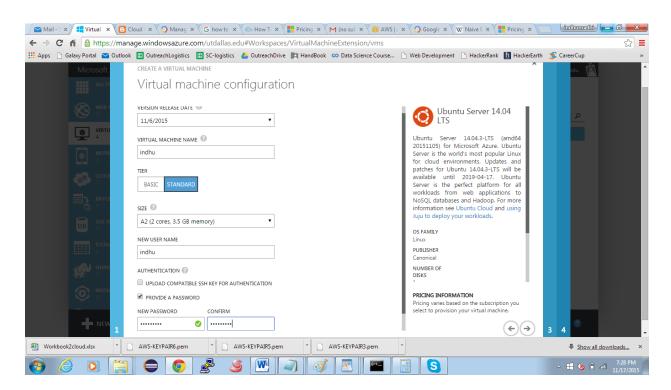


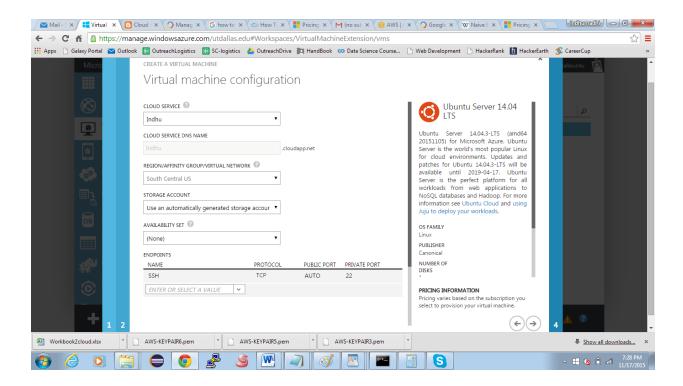
2. How to sign up your Cloud provider.

Given below are the snapshots to create virtual machines, mapping into the same cloud service and creating a separate database for each instance in Microsoft Azure.

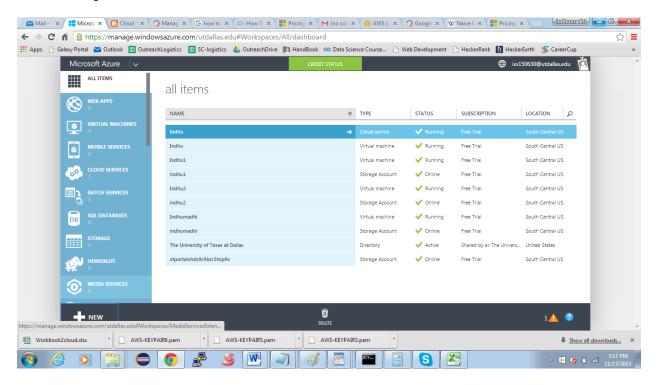








The following in total 4 instances, 4 databases and 1 cloud service was created as shown below.

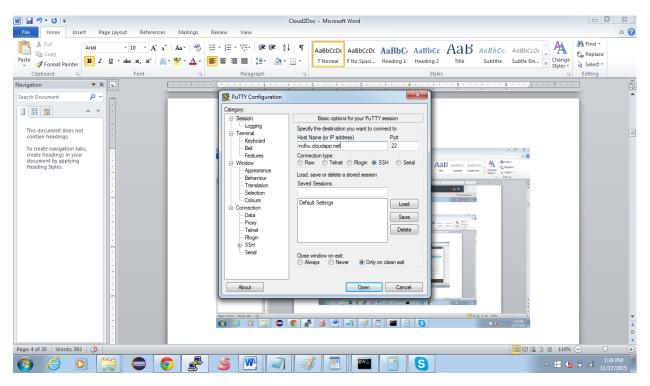


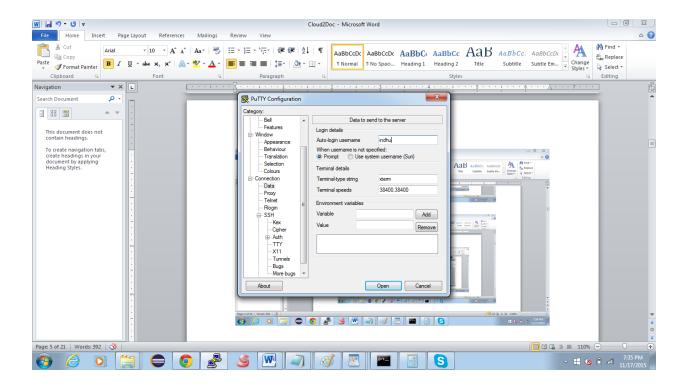
3. VM Instance specification that you have used

	Ubuntu Server 14.04
Instance	LTS
Number of cores	2 core
Memory size	3.5 GB
Storage	30 GB
Price	0.12 \$

4. How to connect to your instances.

In order to connect to the cloud instance, go to putty and give the details as shown below in the figures and provide the passwords in the putty command prompt.





5. Issues you have met and solutions

The exceptions such as Java.net.Socket Exception, Broken Pipe Exception, DBException-out of storage capacity etc were encountered.

- For SocketException, rebooting the instance and running the ycsb multiple times solved the problem.
- For BrokenPipe problem, the network was disconnected and connected again to solve the problem.
- For DBException-out of storage problem, the data Folder into the Cassandra Directory was removed and again the ycsb was able to run successfully. Also, in cqlsh, the usertable.data record was dropped and created again for successful run.

Please find below some of the screenshot of issues faced.

