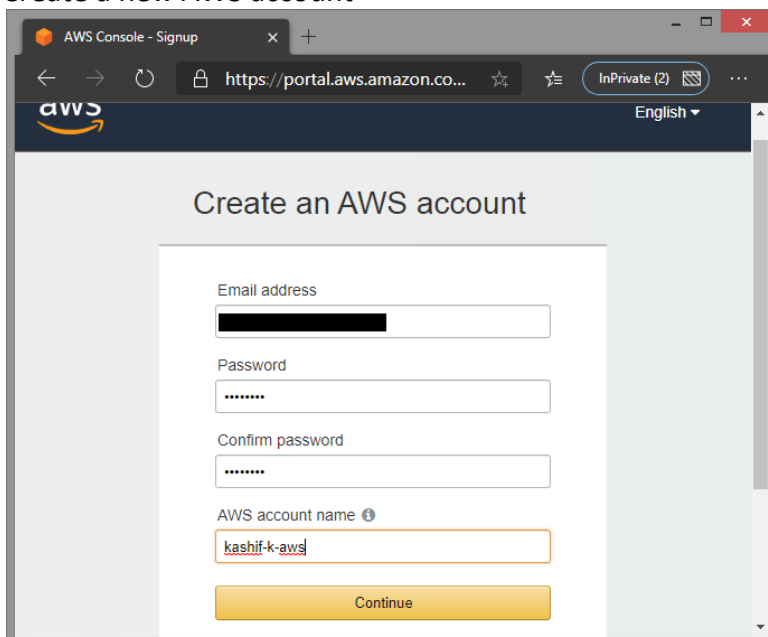


Software required: Web Browser, PuTTY 0.73, WinSCP 5.17.2.

1. Visit <https://aws.amazon.com>

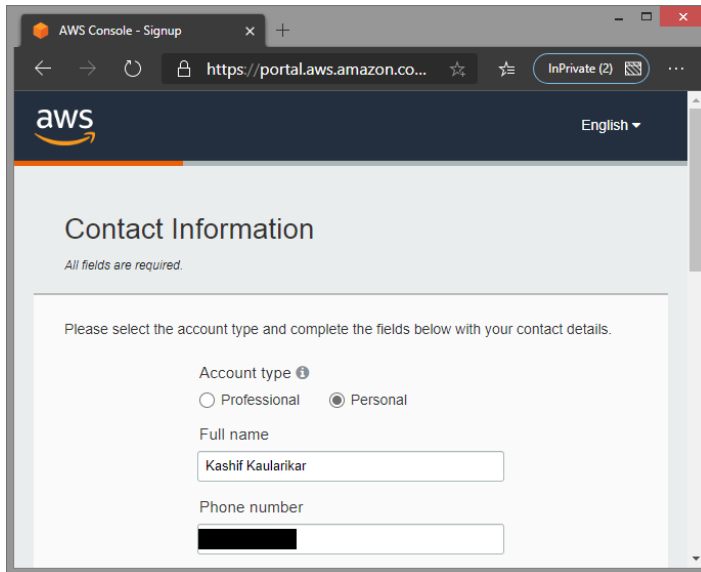


2. Create a new AWS account

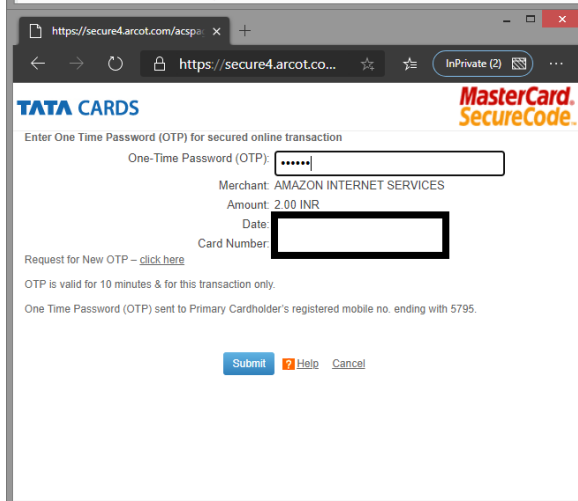
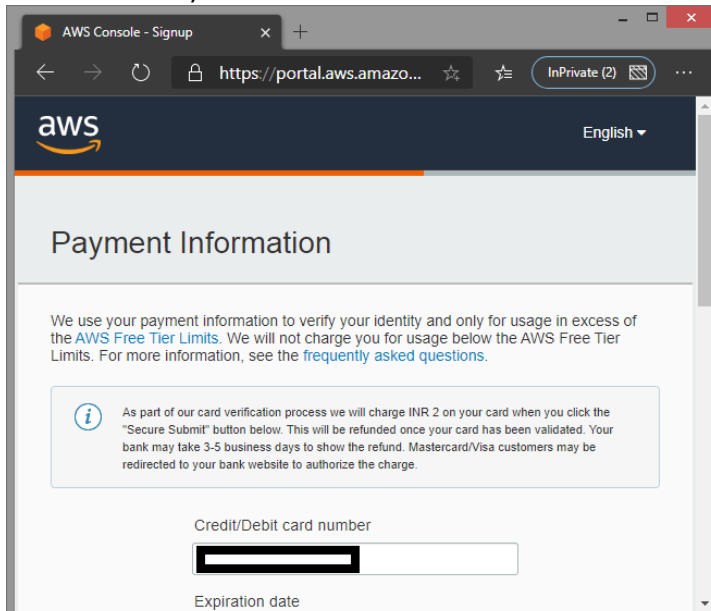


TE IT Semester 6
ITL603- Cloud Service Design Lab Experiment no. 10
Demonstrating cycle of Amazon AWS EC2 instance.

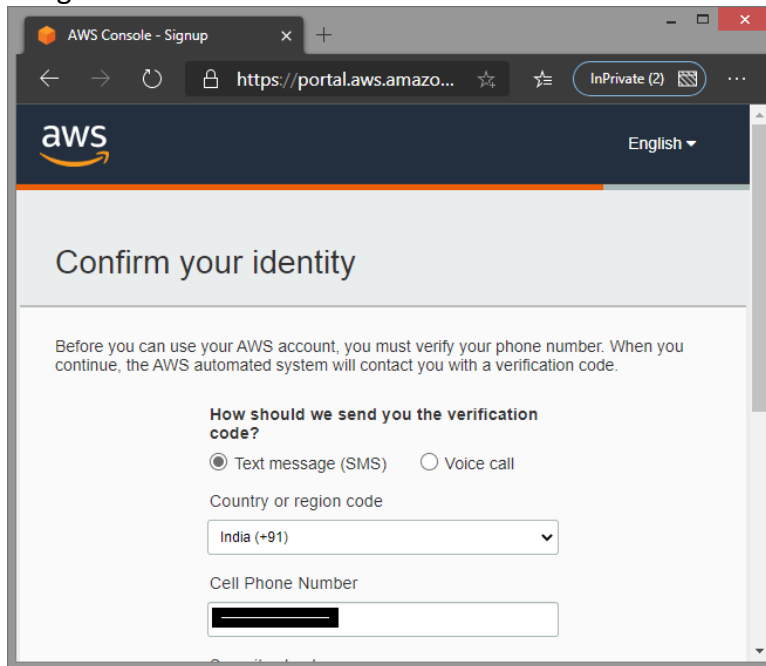
3. Provide contact information



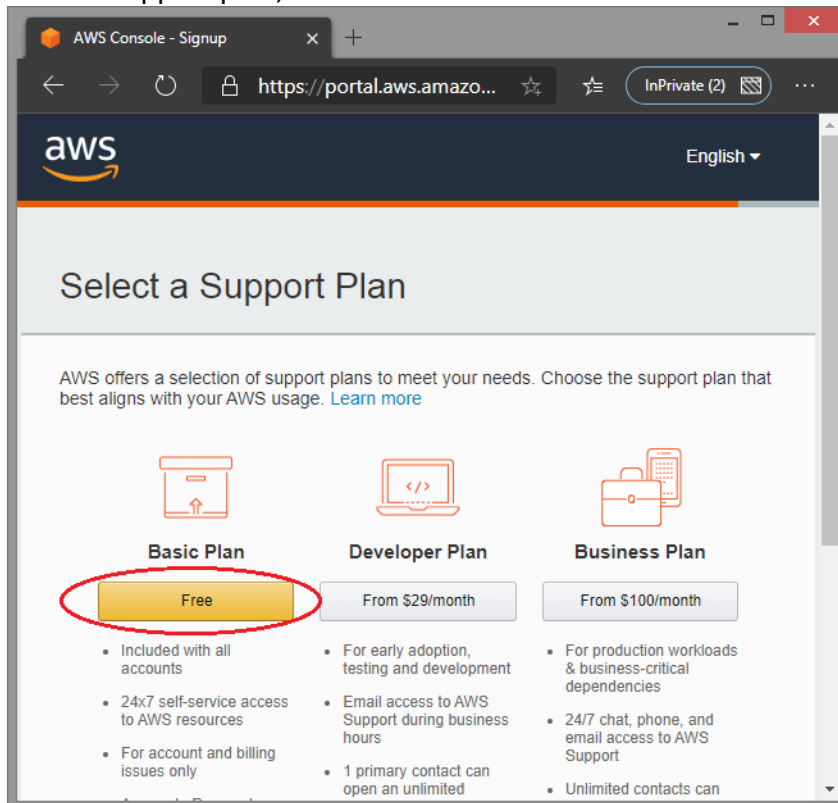
4. Provide payment information (Debit/ Credit card details, 2Rs will be deducted and refunded back)



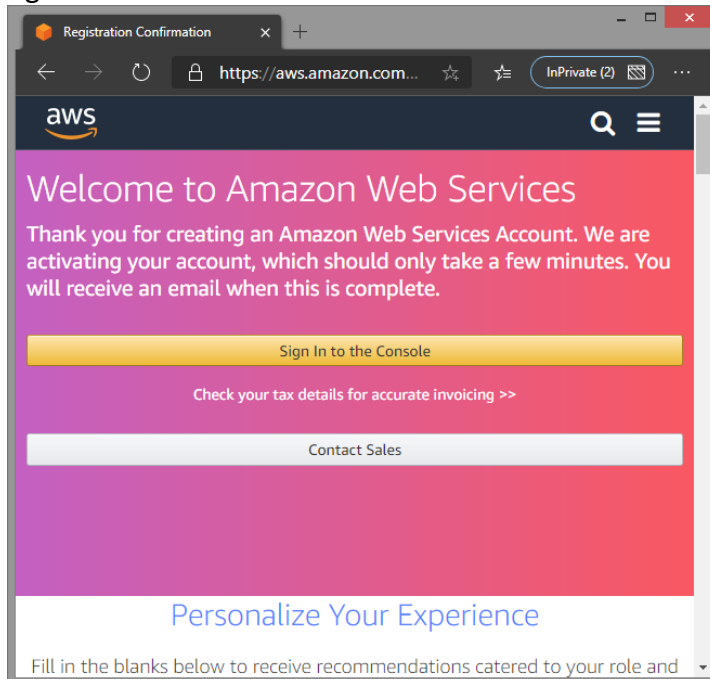
5. Confirm your identity by providing mobile number to contact and then verifying using OTP.



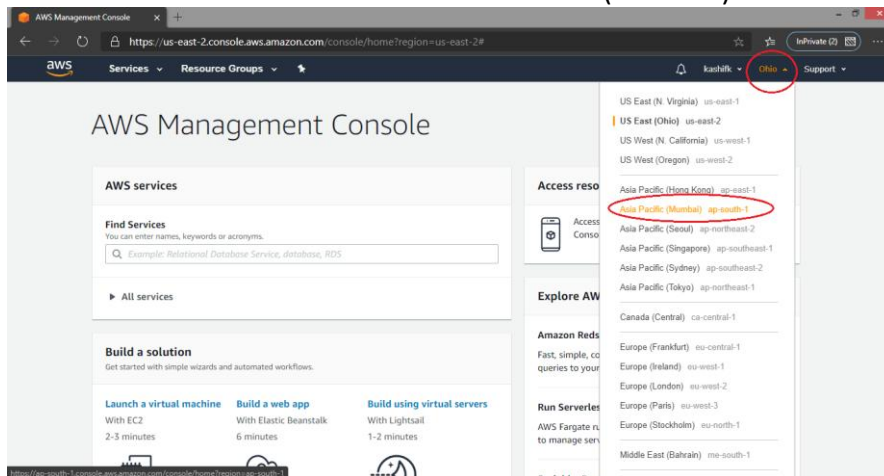
6. Select a support plan, in our case of free tier we will choose Basic Plus



7. Sign in to console of AWS

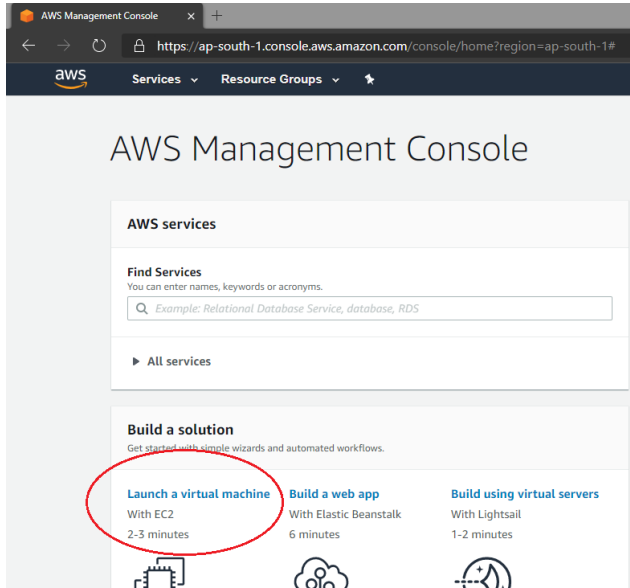


8. Select data center from default to Asia Pacific (Mumbai)

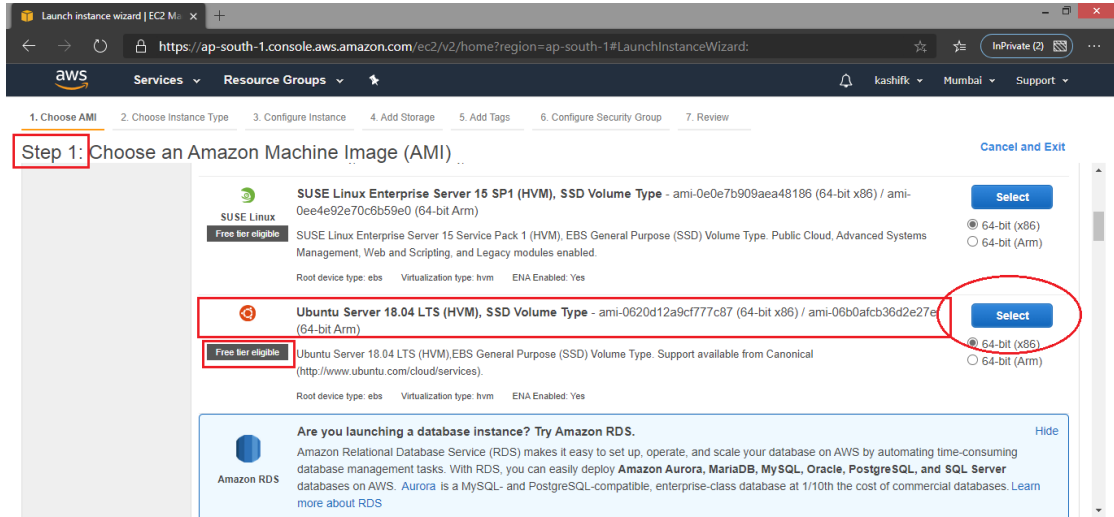


TE IT Semester 6
ITL603- Cloud Service Design Lab Experiment no. 10
Demonstrating cycle of Amazon AWS EC2 instance.

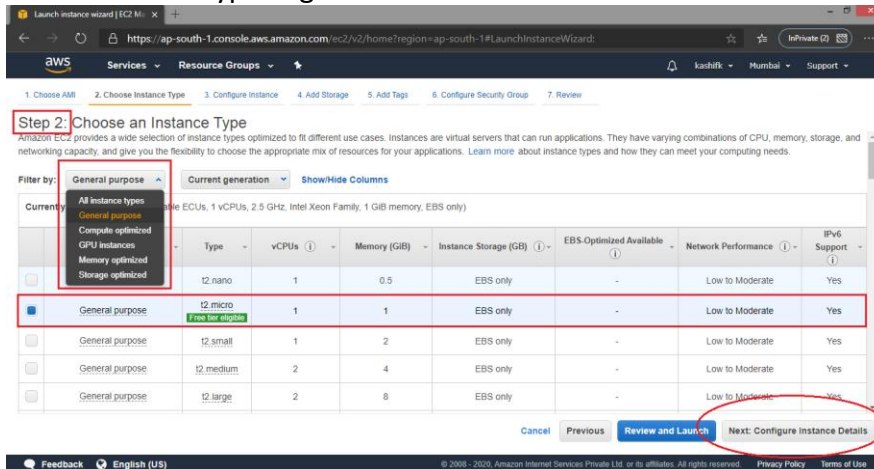
9. Click to launch a virtual machine with EC2



10. Select an AMI available under free tier



11. Select instance type eligible for free tier

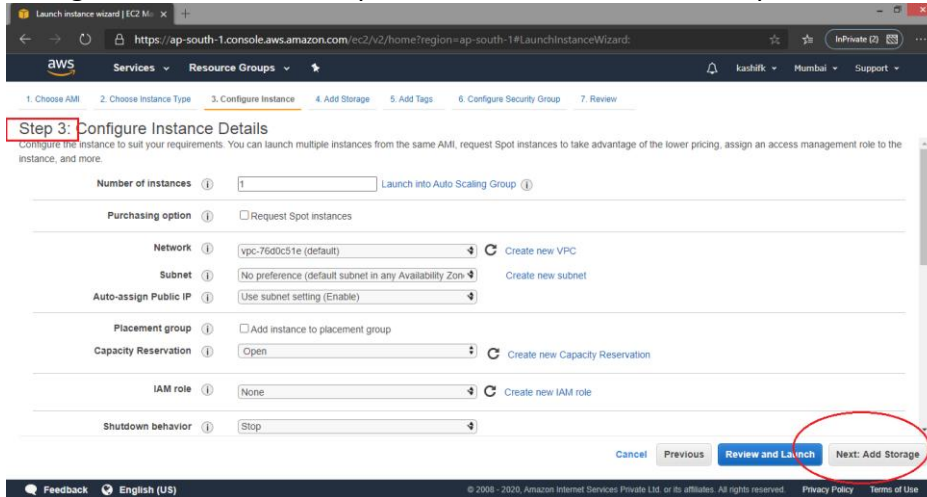


TE IT Semester 6

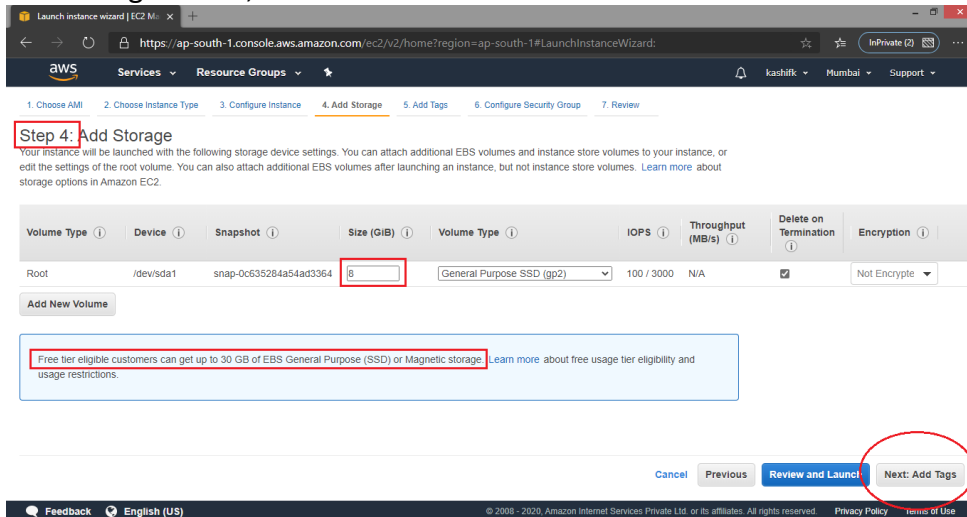
ITL603- Cloud Service Design Lab Experiment no. 10

Demonstrating cycle of Amazon AWS EC2 instance.

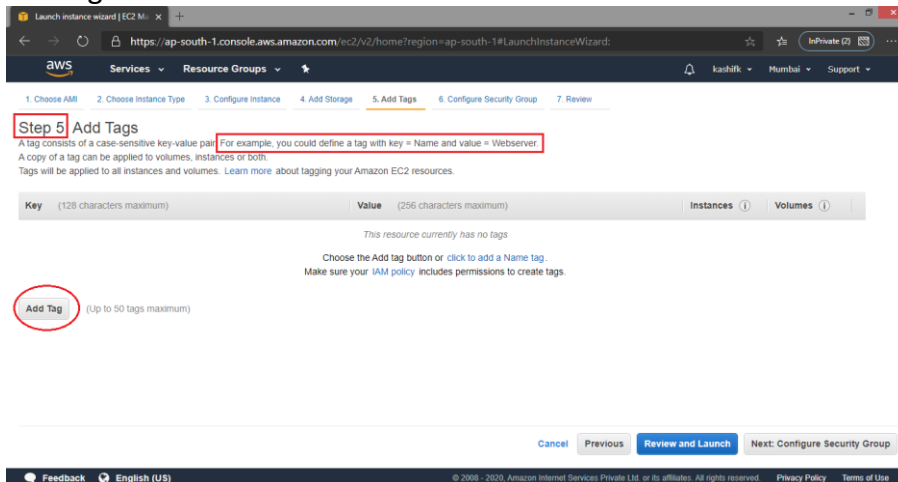
12. Configure the instance, keep default and move to next step



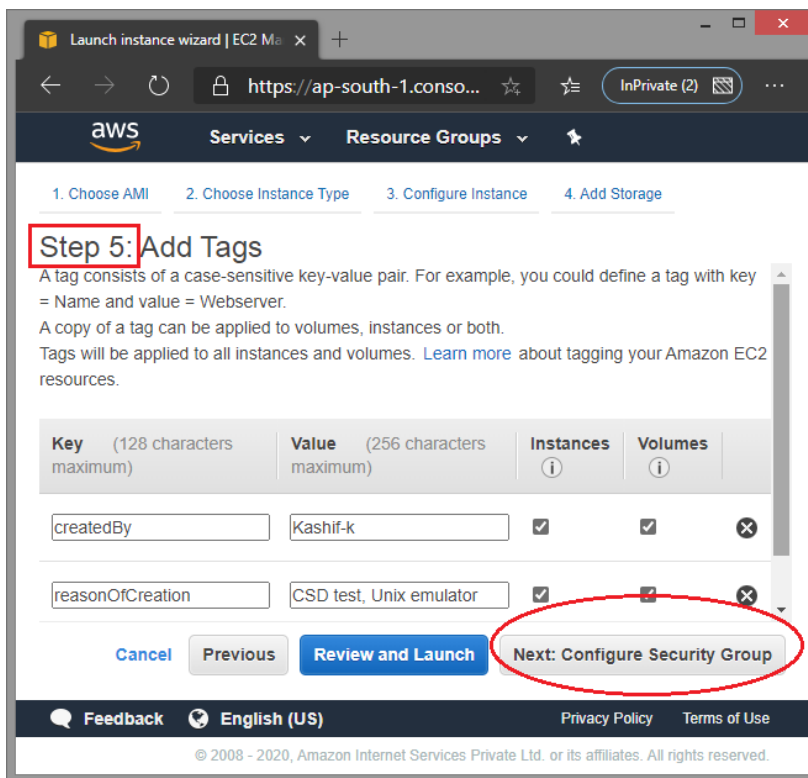
13. Add storage to VM, 30 GB SSD max to free tier



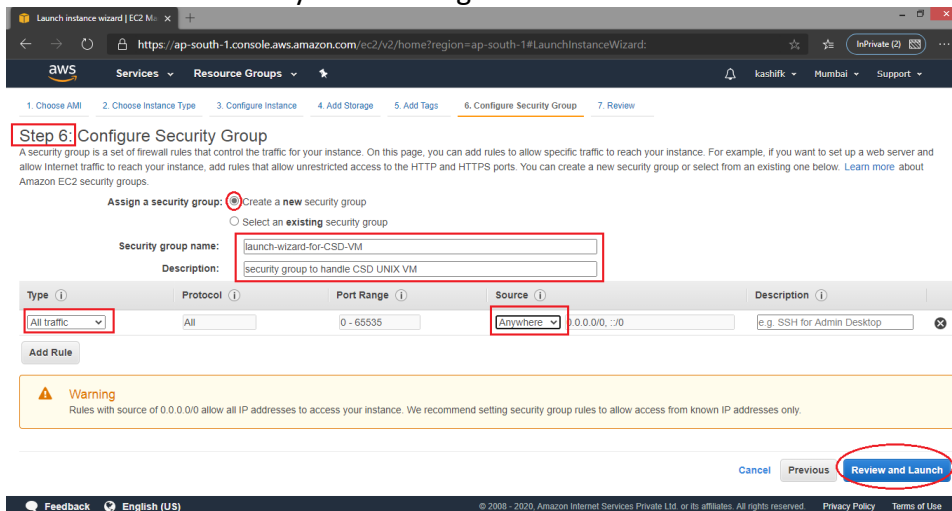
14. Add tag to machine



TE IT Semester 6
ITL603- Cloud Service Design Lab Experiment no. 10
Demonstrating cycle of Amazon AWS EC2 instance.

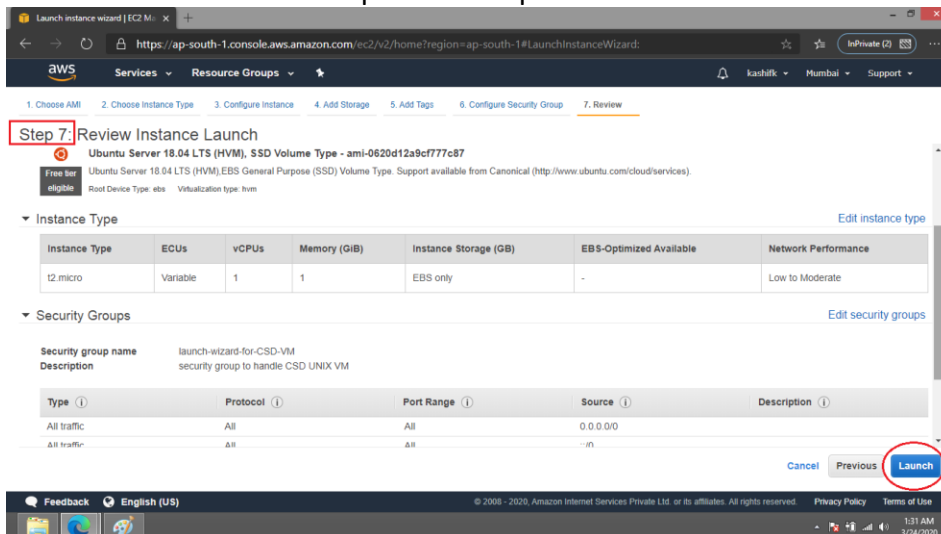


15. Create a new security group, specify name and description of group, select type of traffic to allow and way of accessing VM

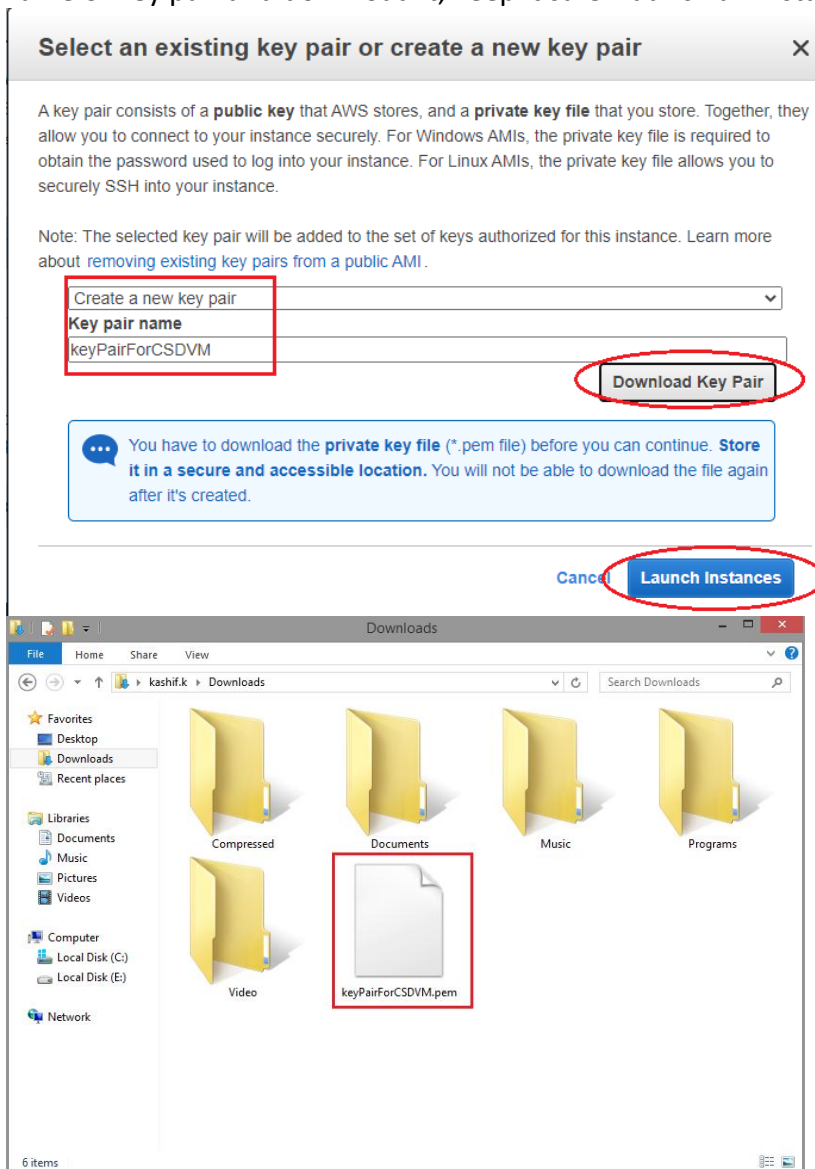


TE IT Semester 6
ITL603- Cloud Service Design Lab Experiment no. 10
Demonstrating cycle of Amazon AWS EC2 instance.

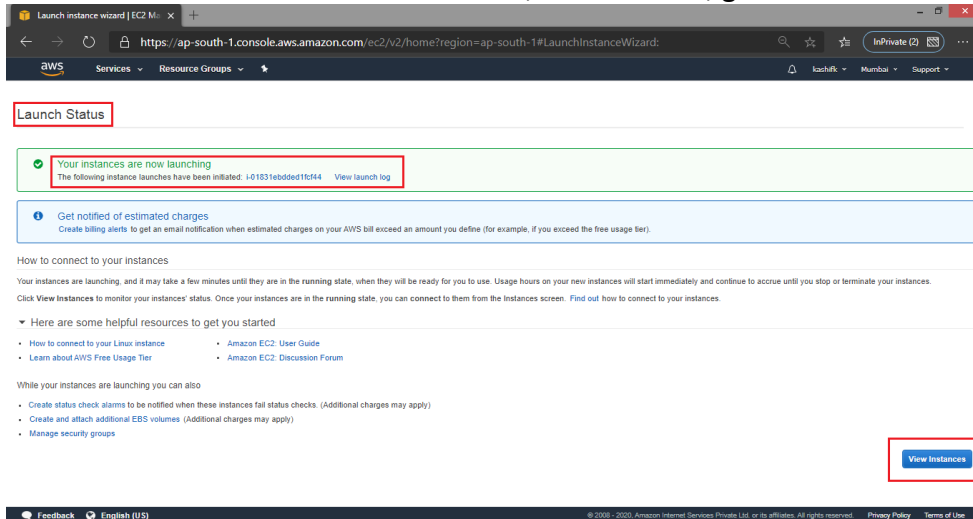
16. Preview the details filled in previous steps and launch instance.



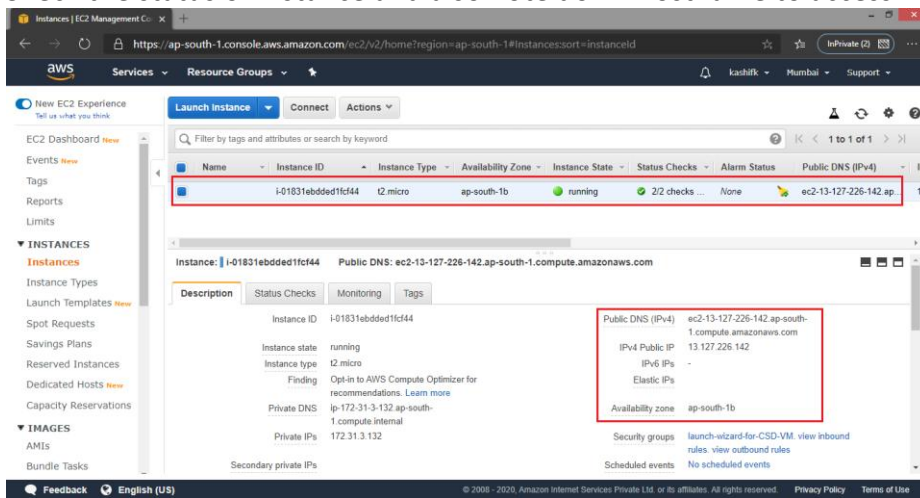
17. In order to get an access to instance create new Public-Private key pair. Specify the name of key pair and download it, keep it safe. Launch an instance.



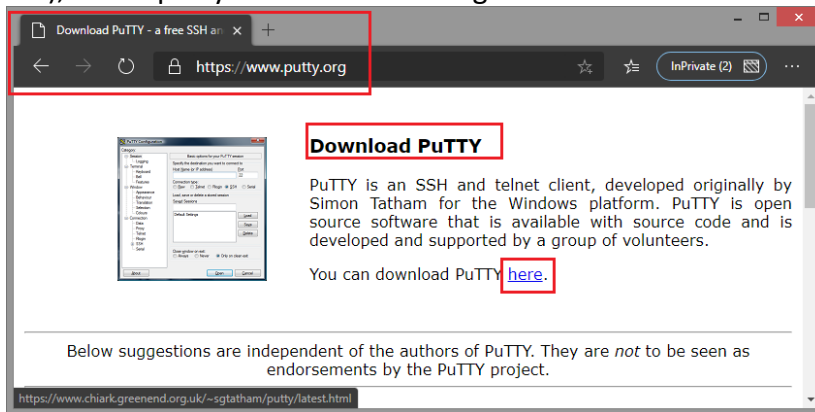
18. It will take some time to launch instance, to see status, go to console.



19. Check the status of instance and also note down hostname to access instance.

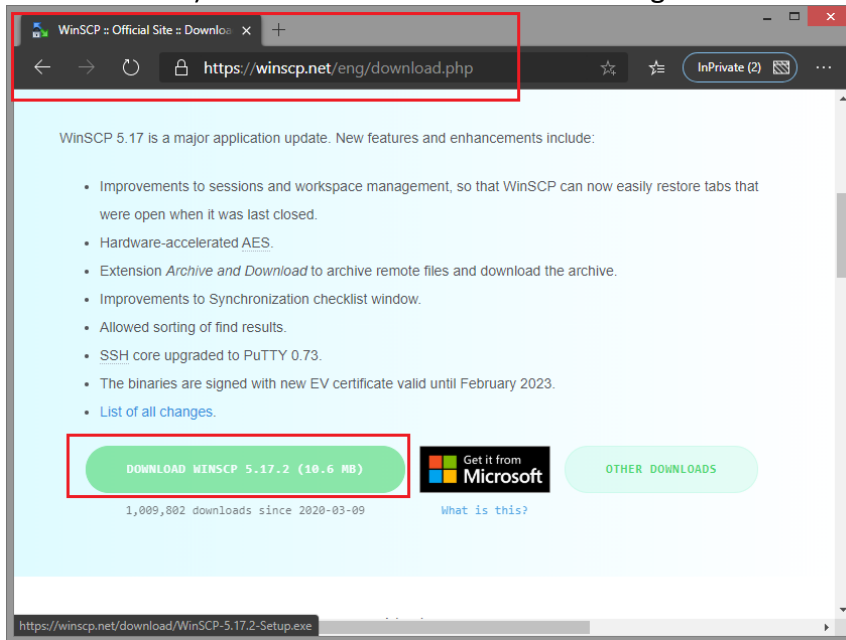


20. Visit <https://www.putty.org> to connect instance using telnet (to access and work on VM), install putty with default settings.

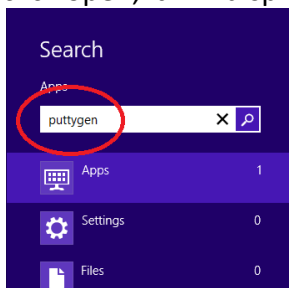




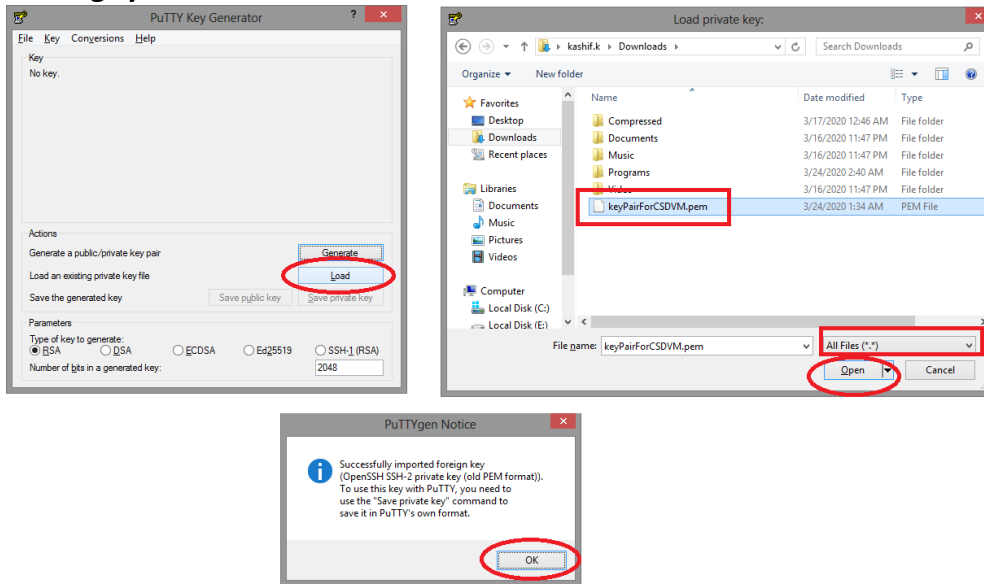
21. Also download WinSCP from <https://winscp.net> for FTP access to instance (file transfer to VM). Install WinSCP with default settings.



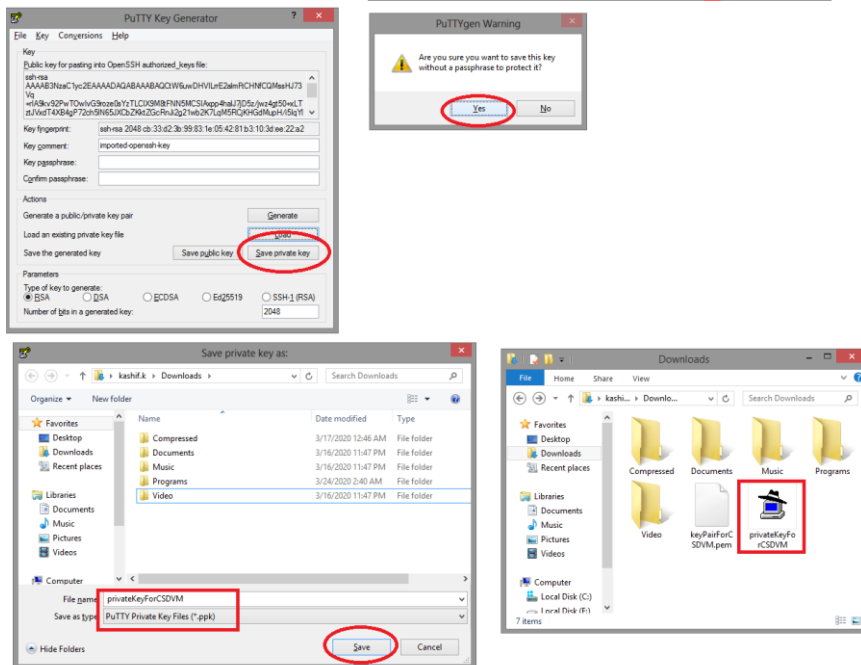
22. Open puttygen, a utility to extract private key from public-private key pair downloaded in step 17. Click Load button, select .pem file downloaded in step 17, click open, it will display success message.



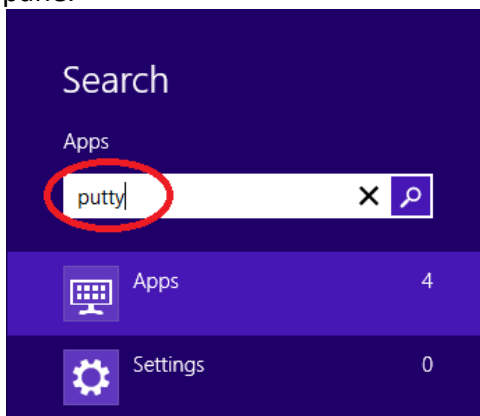
TE IT Semester 6
ITL603- Cloud Service Design Lab Experiment no. 10
Demonstrating cycle of Amazon AWS EC2 instance.



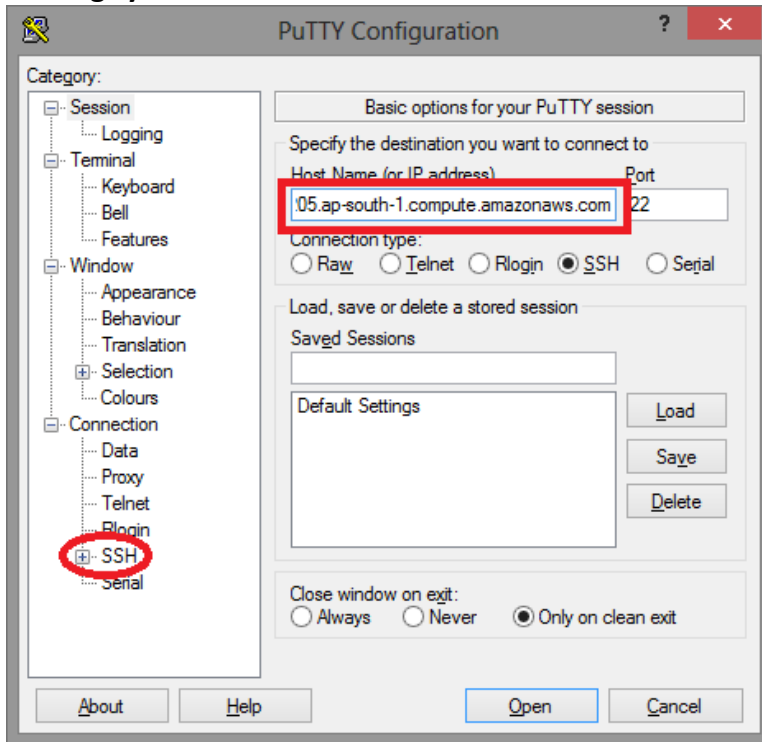
23. Click on save private key button (with or without password for future use), save it in secure location as .ppk file



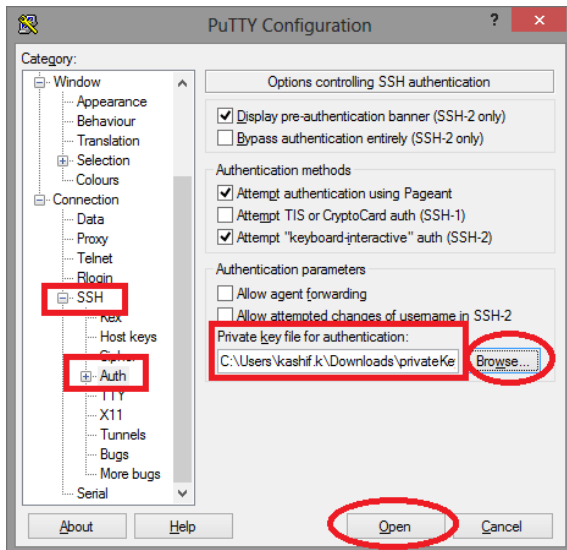
24. Open PuTTY application, copy hostname (copied in step 19), expand SSH from left pane.



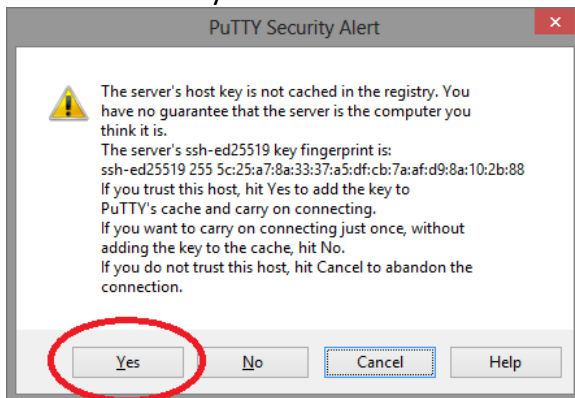
TE IT Semester 6
ITL603- Cloud Service Design Lab Experiment no. 10
Demonstrating cycle of Amazon AWS EC2 instance.



25. Click Auth and then browse for .ppk file generated in step 23, click open to access VM instance.

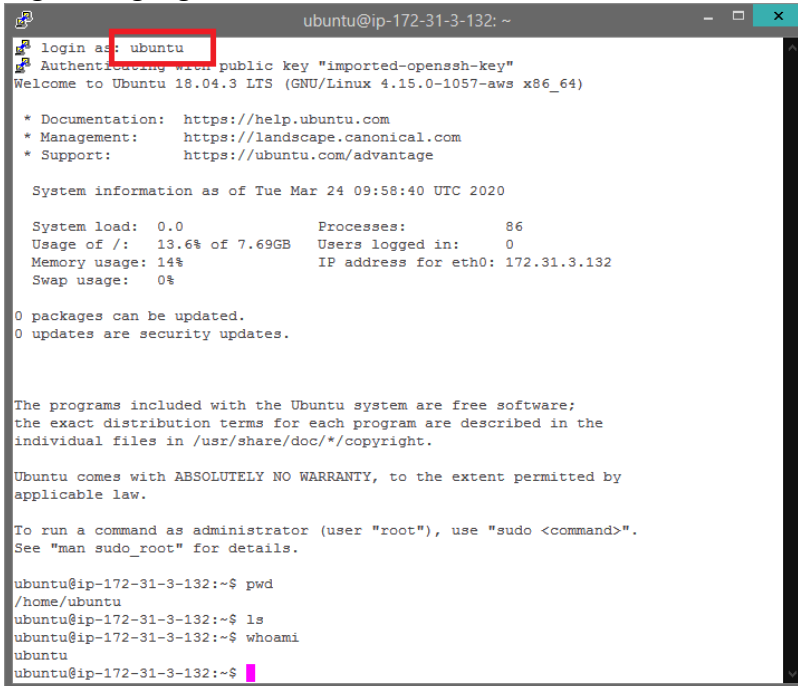


26. In PuTTY security alert click Yes to add instance host as trustable.

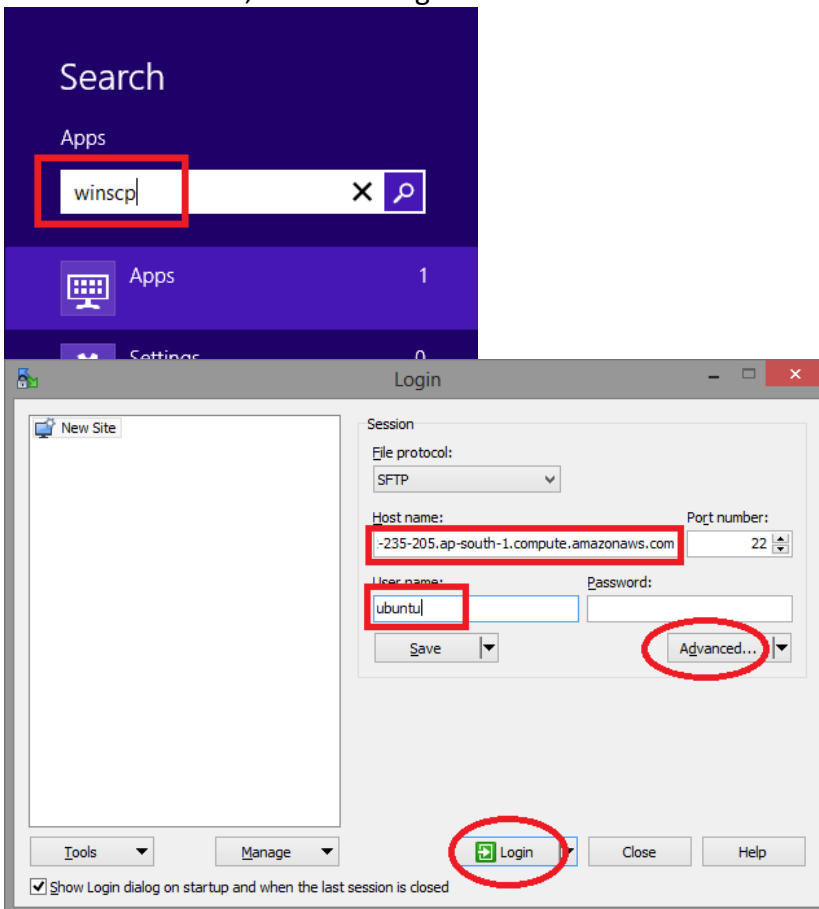


TE IT Semester 6
ITL603- Cloud Service Design Lab Experiment no. 10
Demonstrating cycle of Amazon AWS EC2 instance.

27. Login using login name, in this case 'ubuntu'.

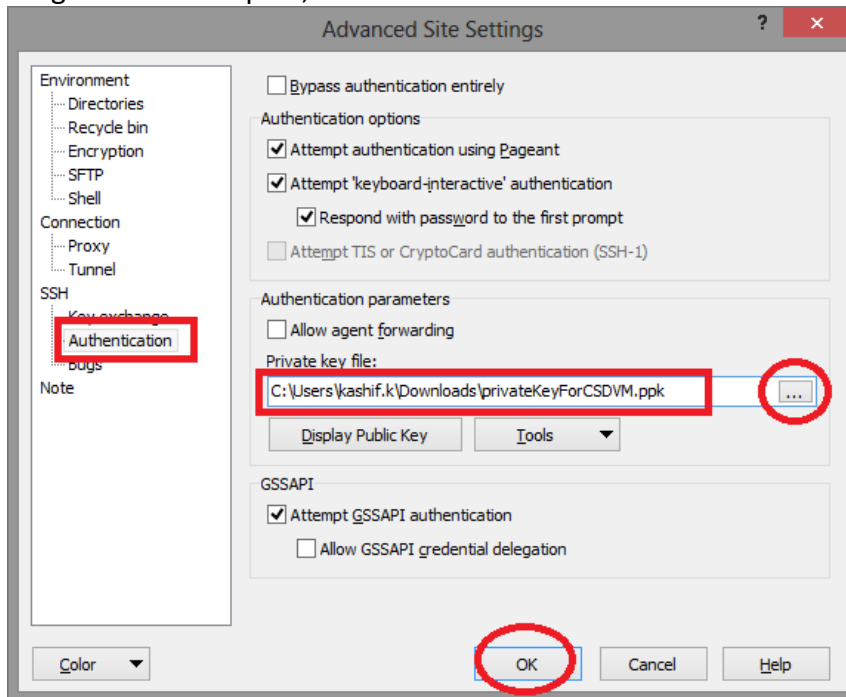


28. Open WinSCP, and paste host name copied in step 19, specify user name as 'ubuntu' and click advanced, later click login button.

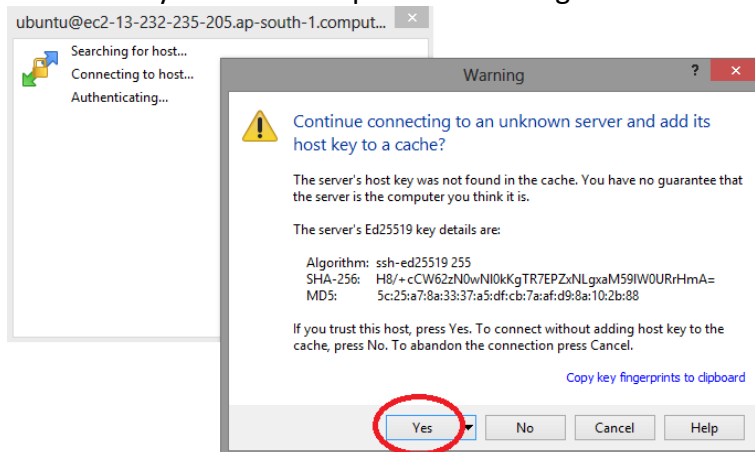


TE IT Semester 6
ITL603- Cloud Service Design Lab Experiment no. 10
Demonstrating cycle of Amazon AWS EC2 instance.

29. In advanced window, click authentication from left pane, and specify location of .ppk file generate in step 23, click ok

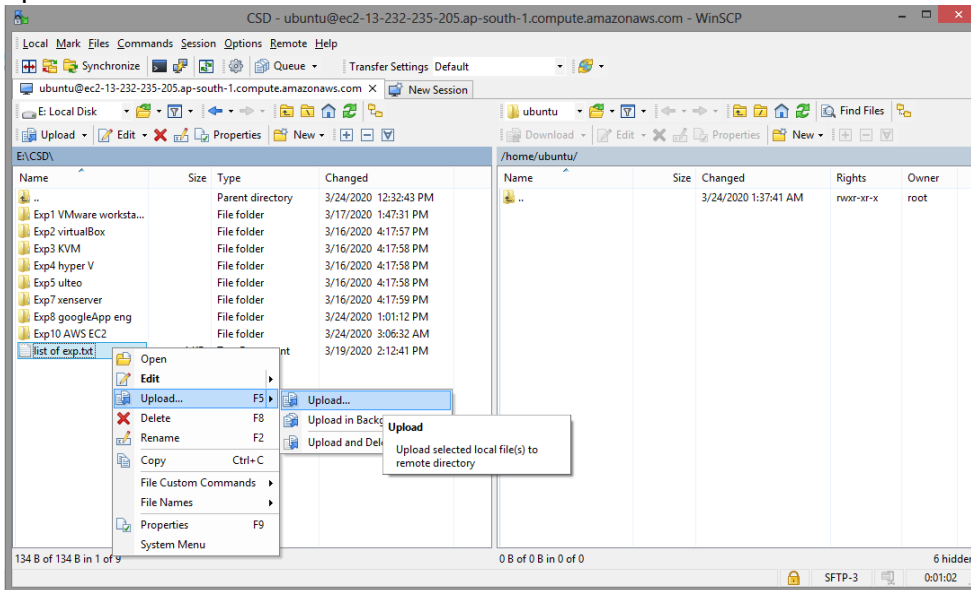


30. Add host key to cache and proceed with login.

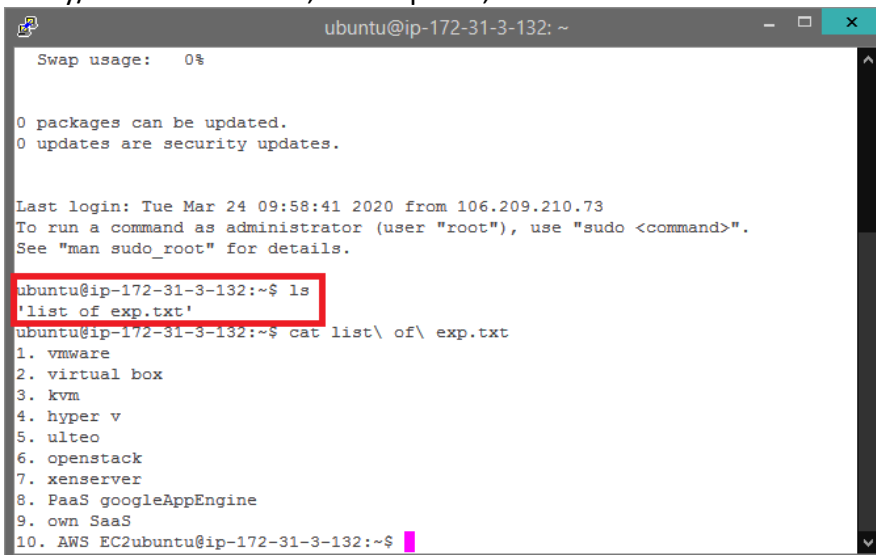


TE IT Semester 6
ITL603- Cloud Service Design Lab Experiment no. 10
Demonstrating cycle of Amazon AWS EC2 instance.

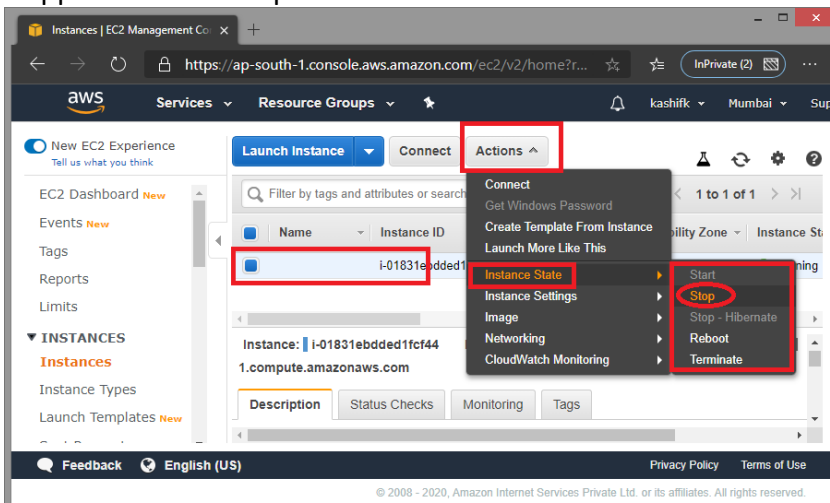
31. Upload some content on AWS EC2 instance.



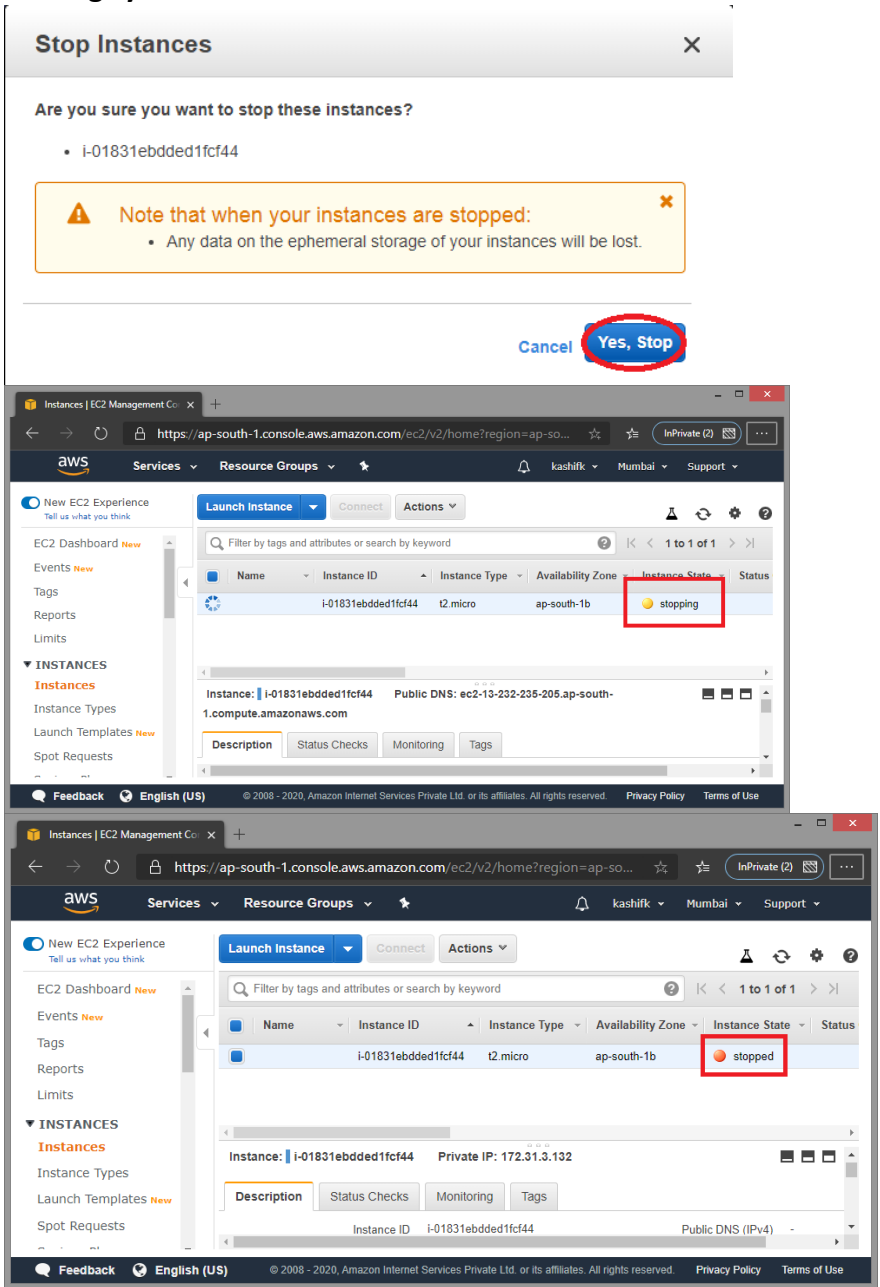
32. Verify/ access the same, after upload, in instance.



33. From initializing state instance is in running state. Go to console, select instance, click actions, and select instance state to stop. Instance will go in stopping state to stopped state. It is equivalent to shutdown and later restart state of any machine.



TE IT Semester 6
ITL603- Cloud Service Design Lab Experiment no. 10
Demonstrating cycle of Amazon AWS EC2 instance.



34. Again go to console, select instance, click actions, and select instance state to terminate. This will delete instance permanently. This will take instance state to shutting-down and then to terminated state.

