Priyanka Gupta

CMPE281 – Cloud Technology
Instructor: Jerry Gao, Ph.D.
Semester: Spring, 2014
Posted date: 2/04/2014
Due date: 2/25/2014

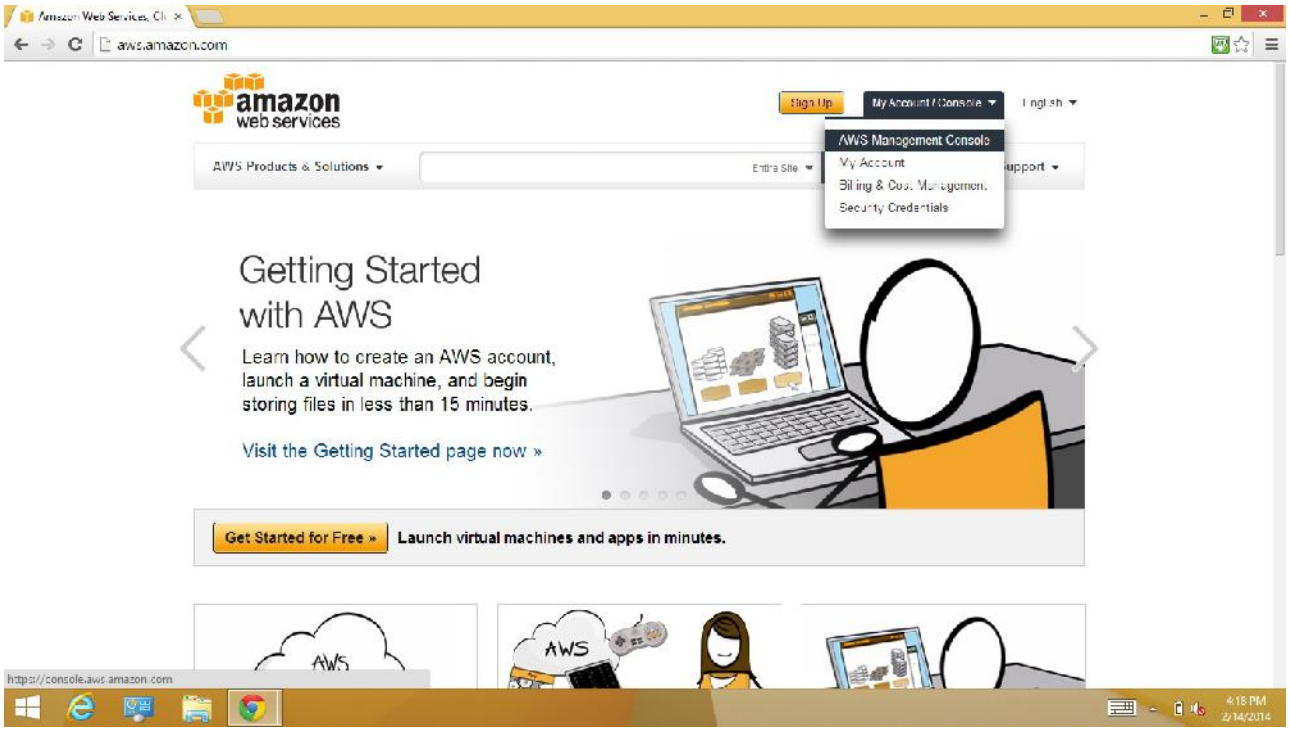
Lab #1 Assignment – Playing with Amazon's EC2

Objectives:

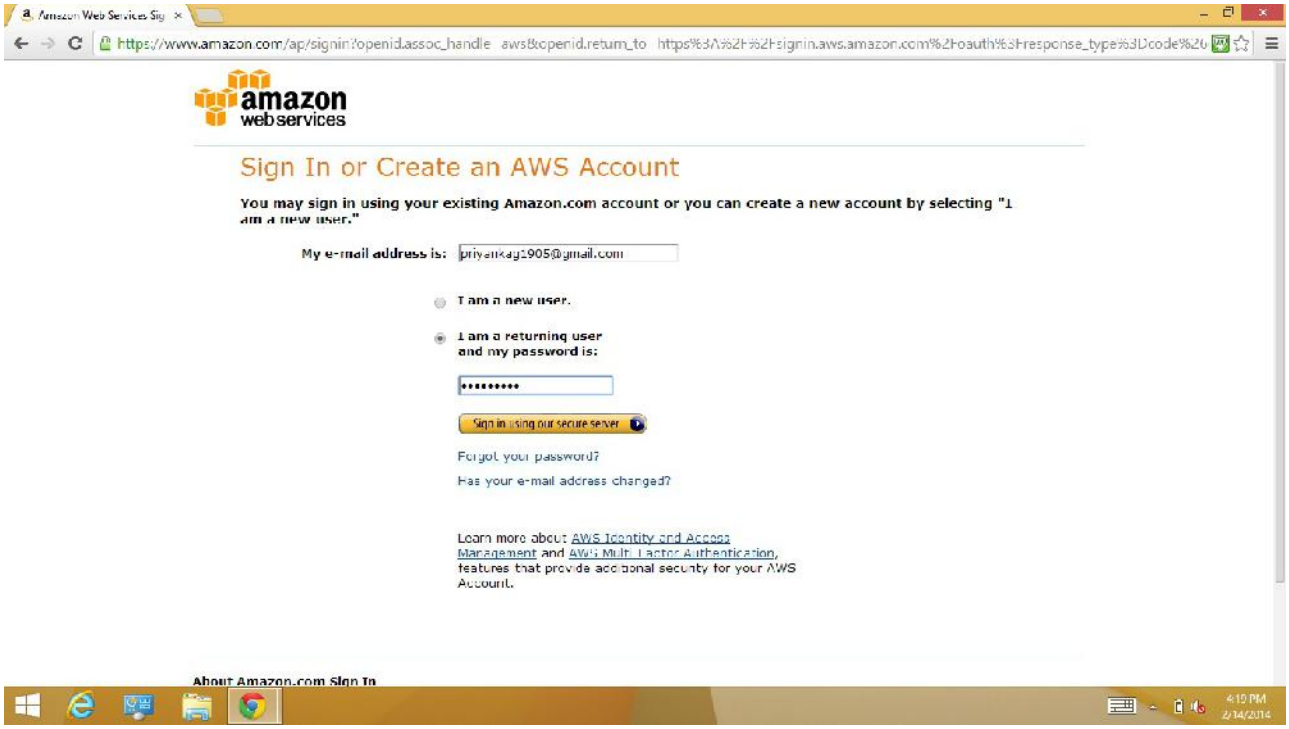
Deploy "Simple Chat" web application in a Windows Server Instance on Amazon EC2 using Internet Information Service.

Procedure:

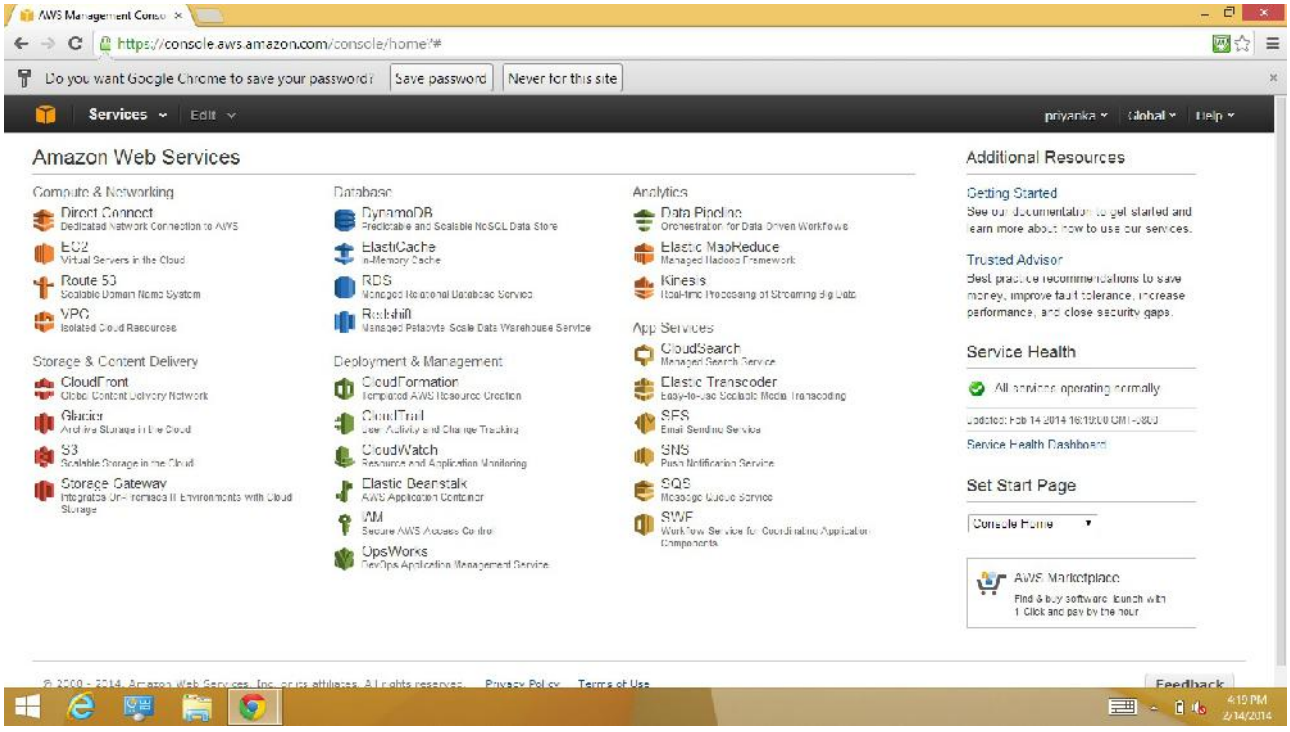
1. Browse to aws.amazon.com. Select AWS Management Console from the MyAccount dropdown menu.



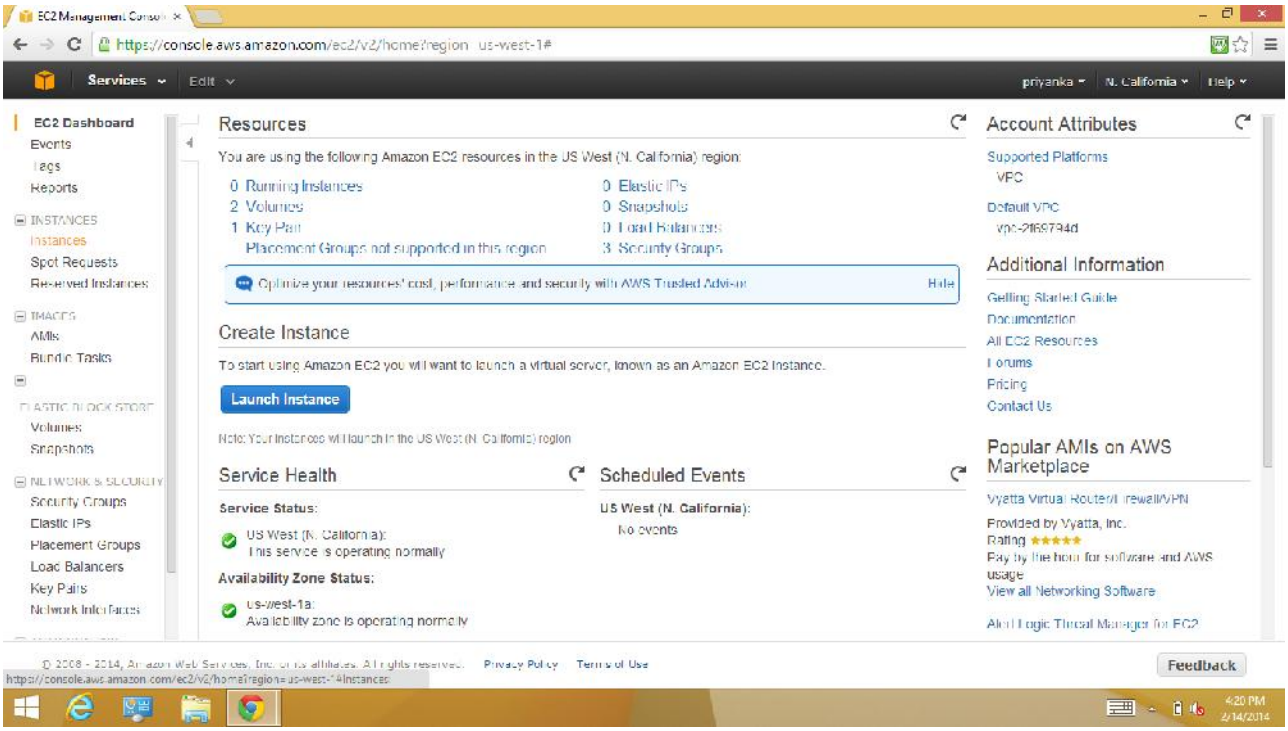
2. Sign up for an account/ Sign in to your existing account.



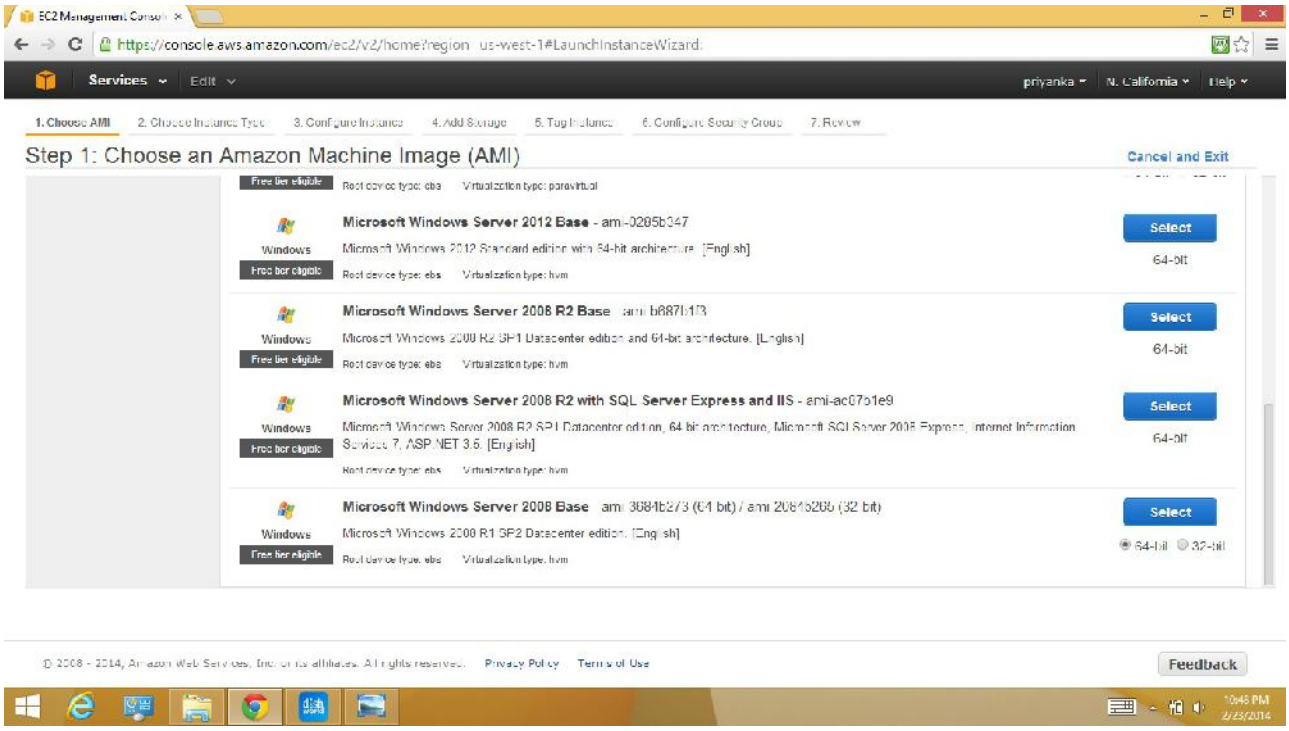
3. Select Amazon EC2 from the management console.



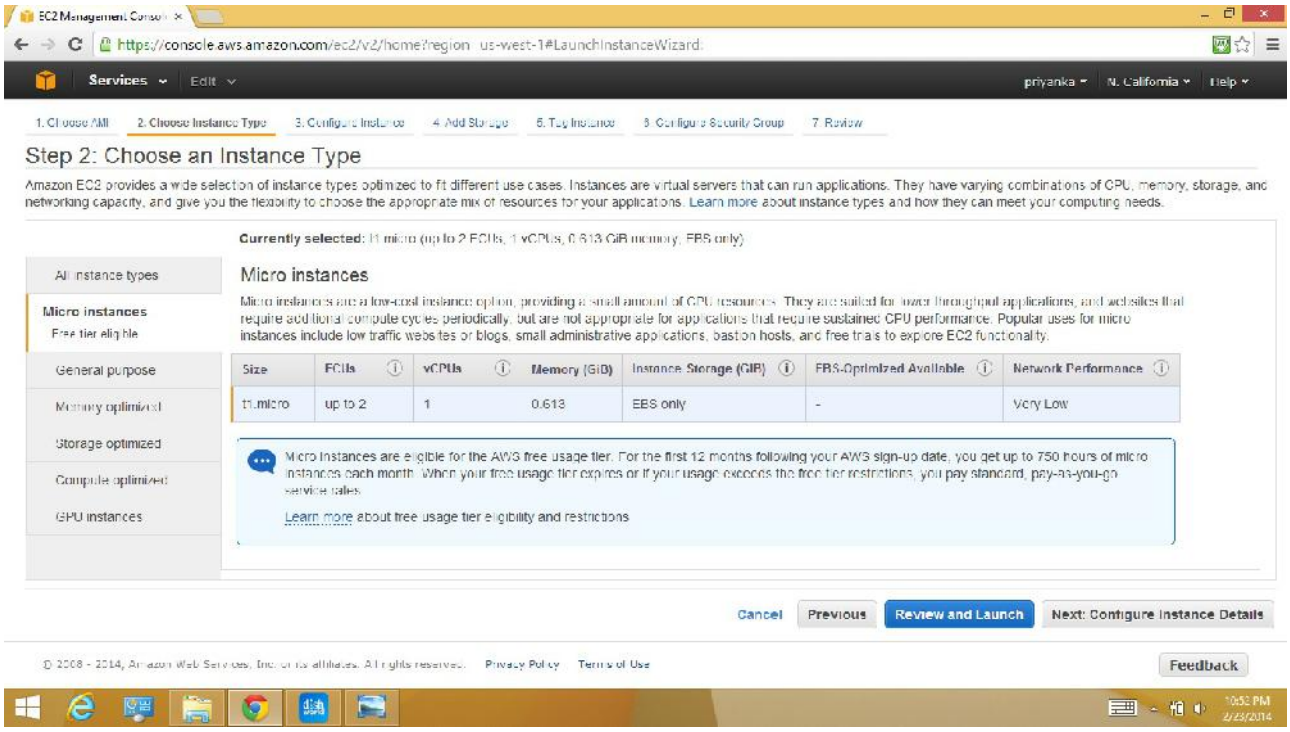
4. *Launch Instance* from the EC2 Dashboard.



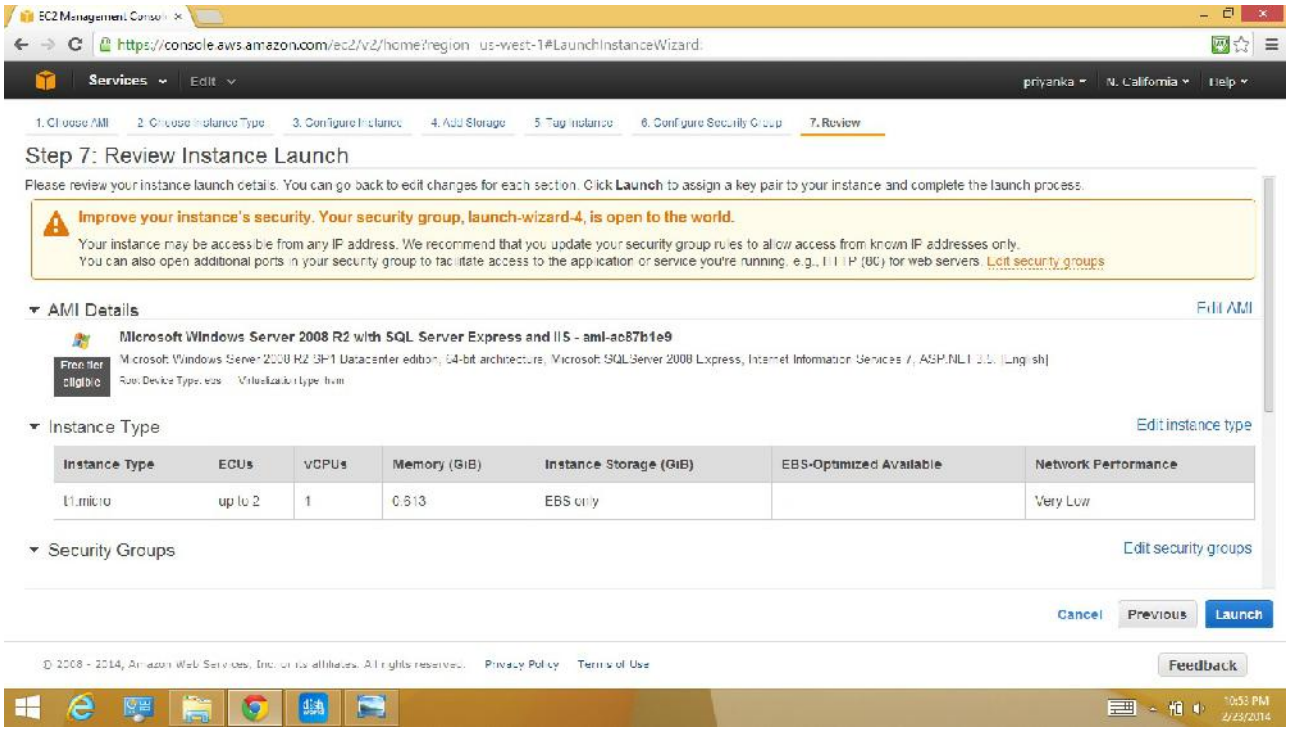
5. Select the machine image as Windows Server 2008 R2 with IIS.



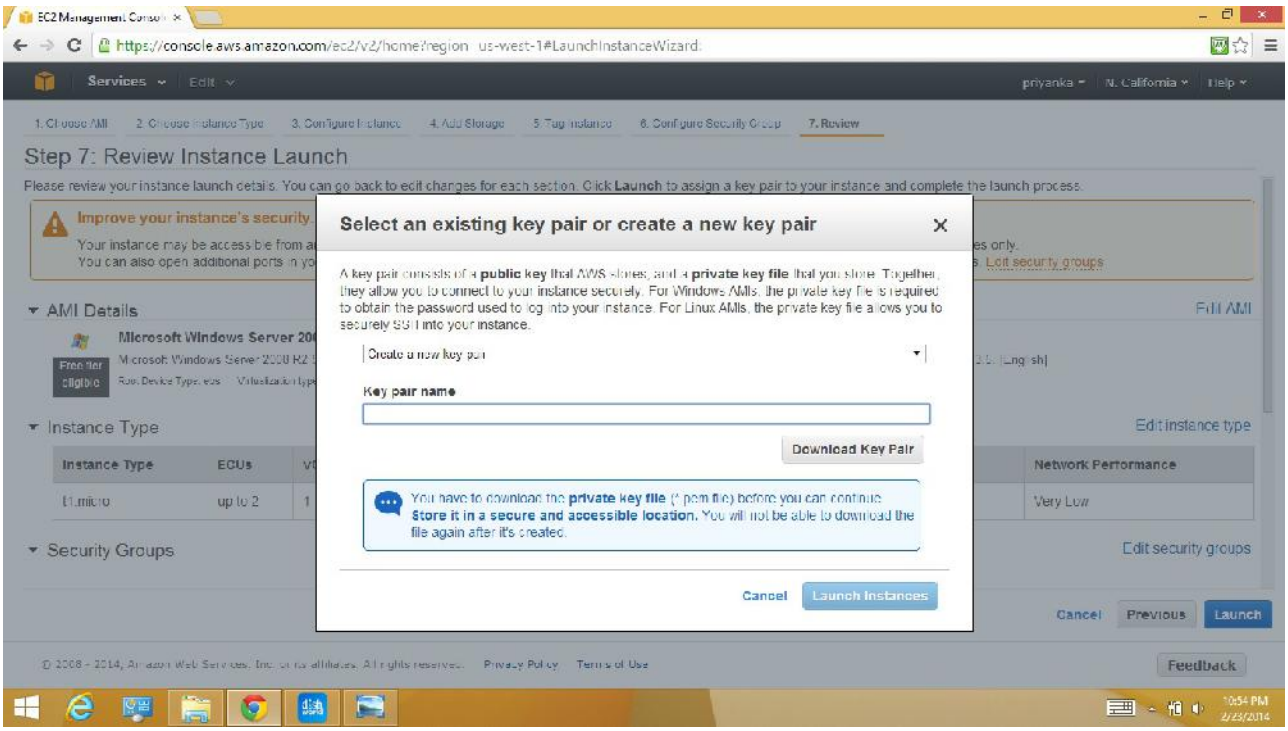
6. Review the instance configuration and modify it if required. Click on 'Review and Launch'.



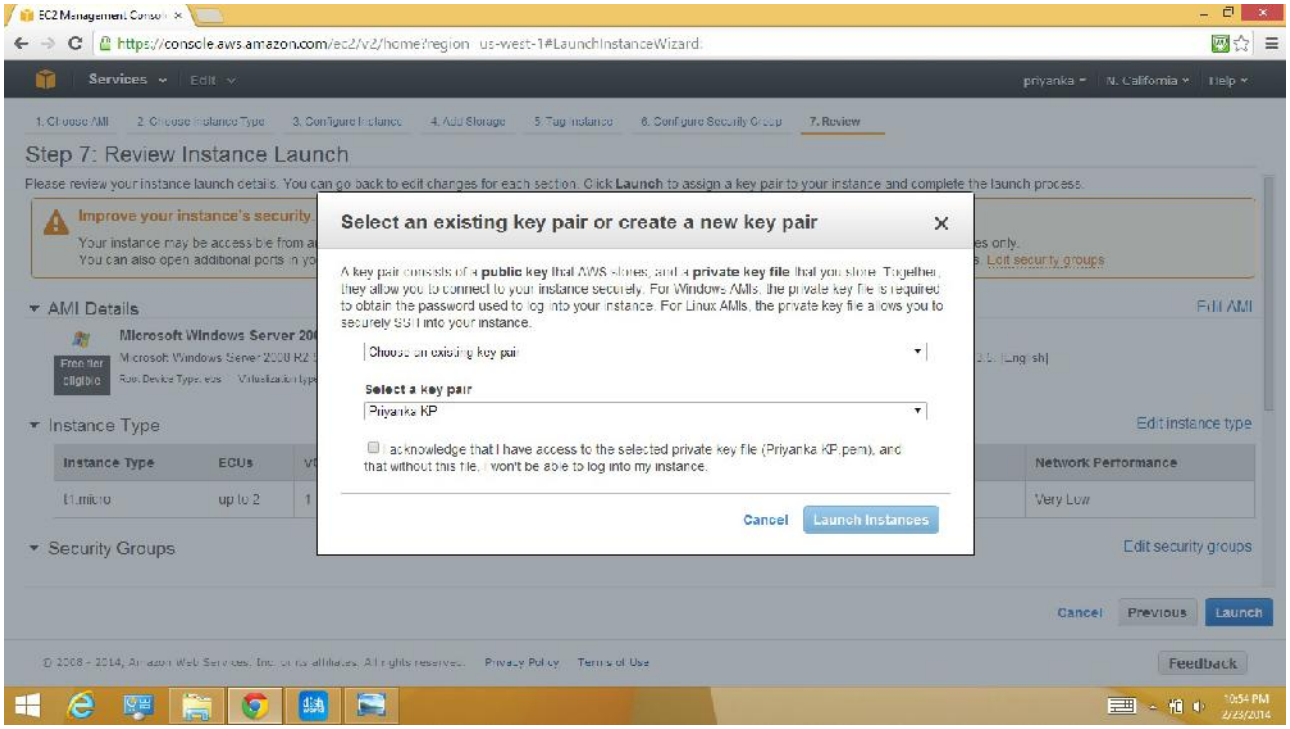
7. Change security group if required and click on 'Launch' to launch the instance.



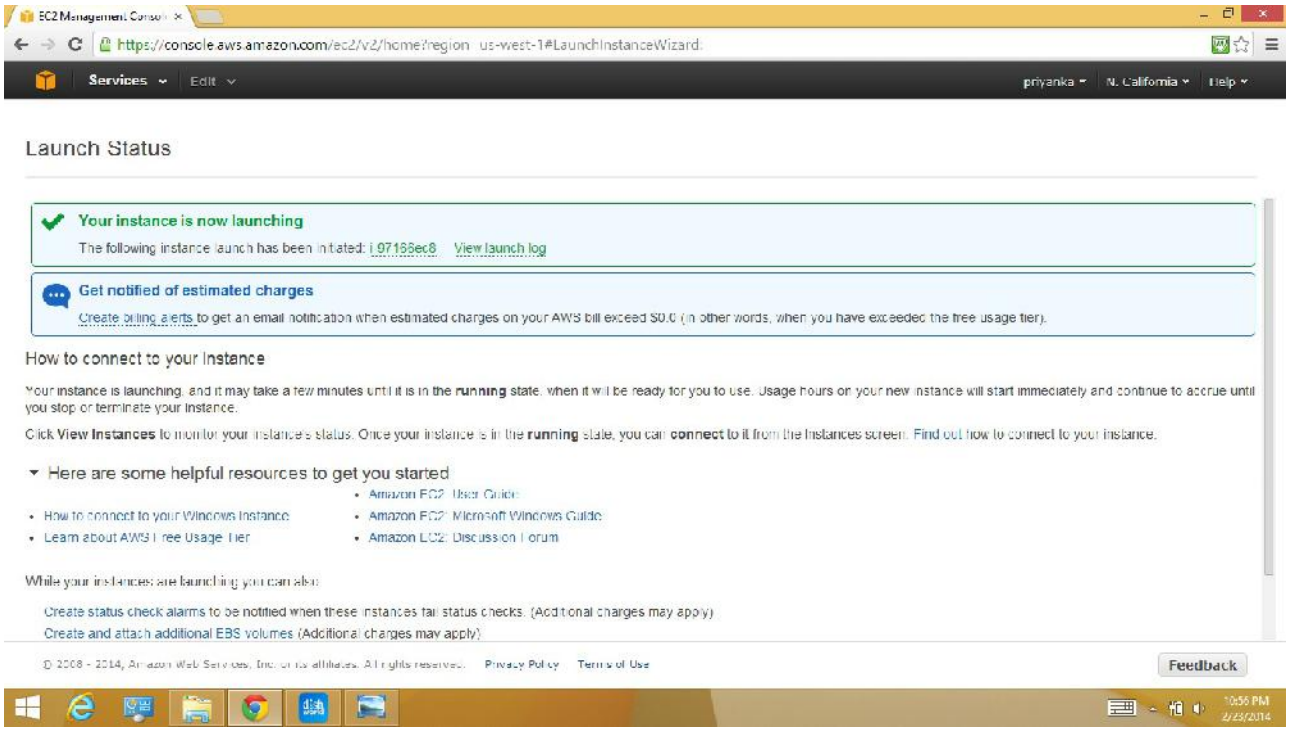
8. Create a new key pair for authentication and download it to your local machine.



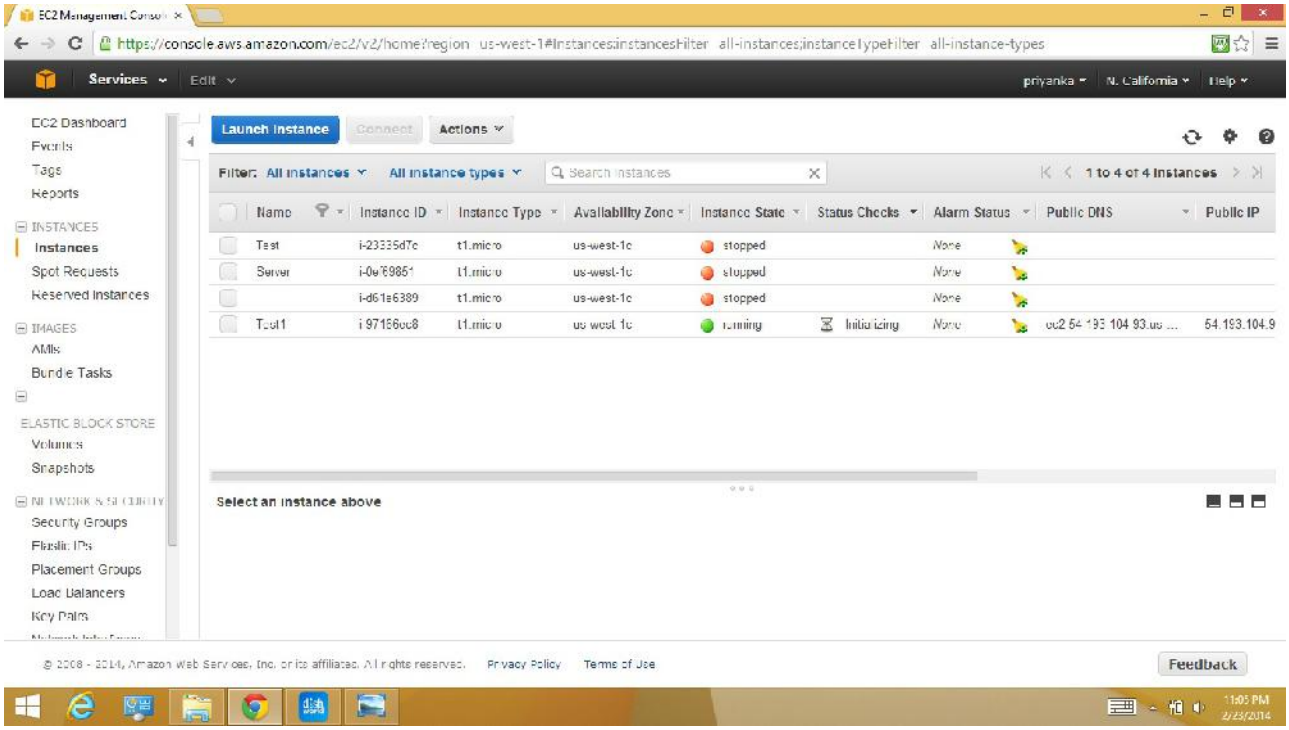
9. Select the private key pair downloaded to the machine. Click on 'Launch Instance'.

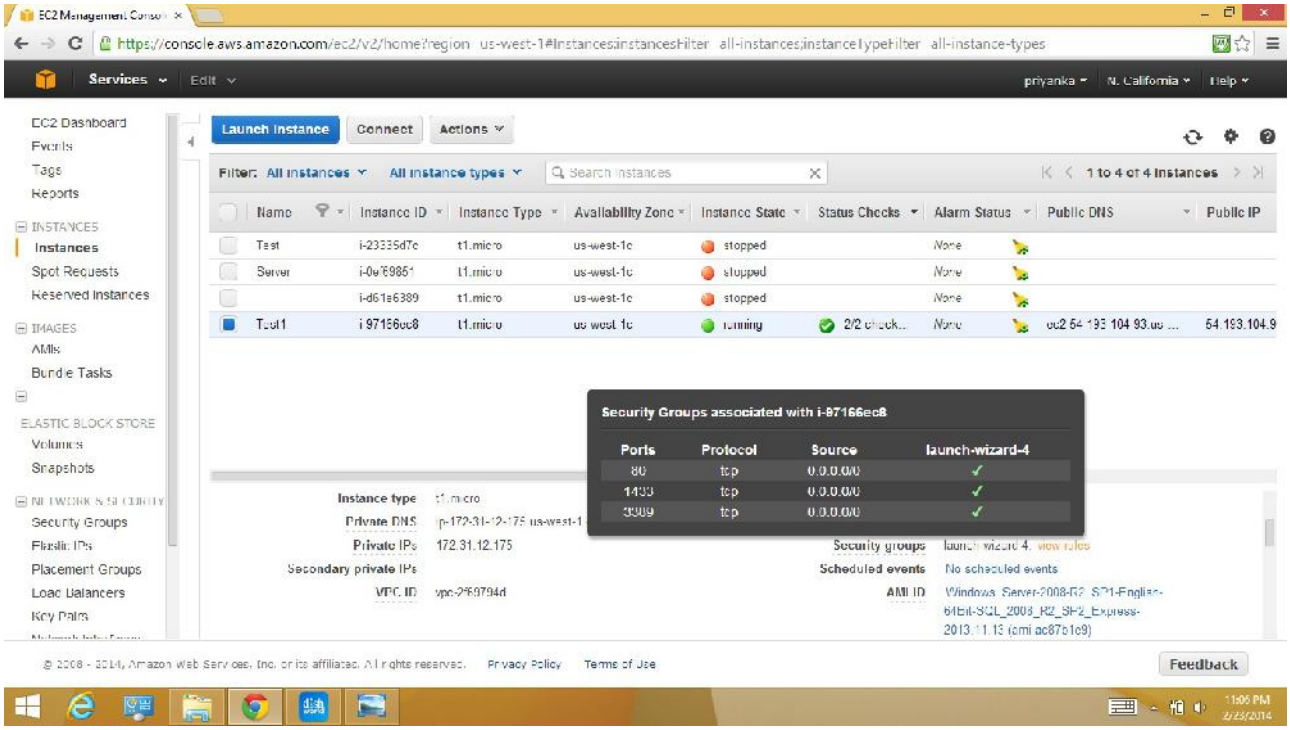


10. Click on the instance id on the Status Screen to go the Instance dashboard. For the newly created instance, check the status. Rename the instance to Test1. Wait for the instance to be initialized.

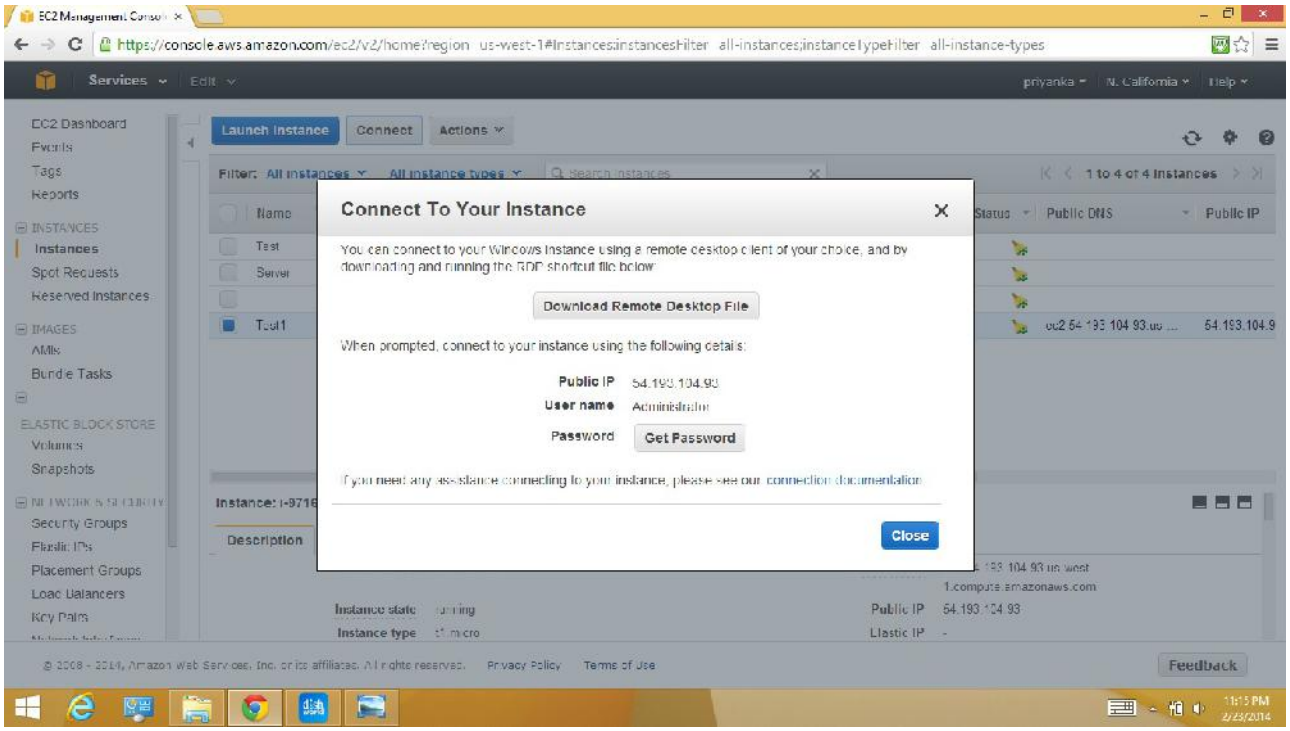


11. Select Test1 and view the rules for the security group assigned to it. In order to access the machine remotely, there must be an exception for the port 3389. In case the rule is absent, it can be added through the *security group* console.

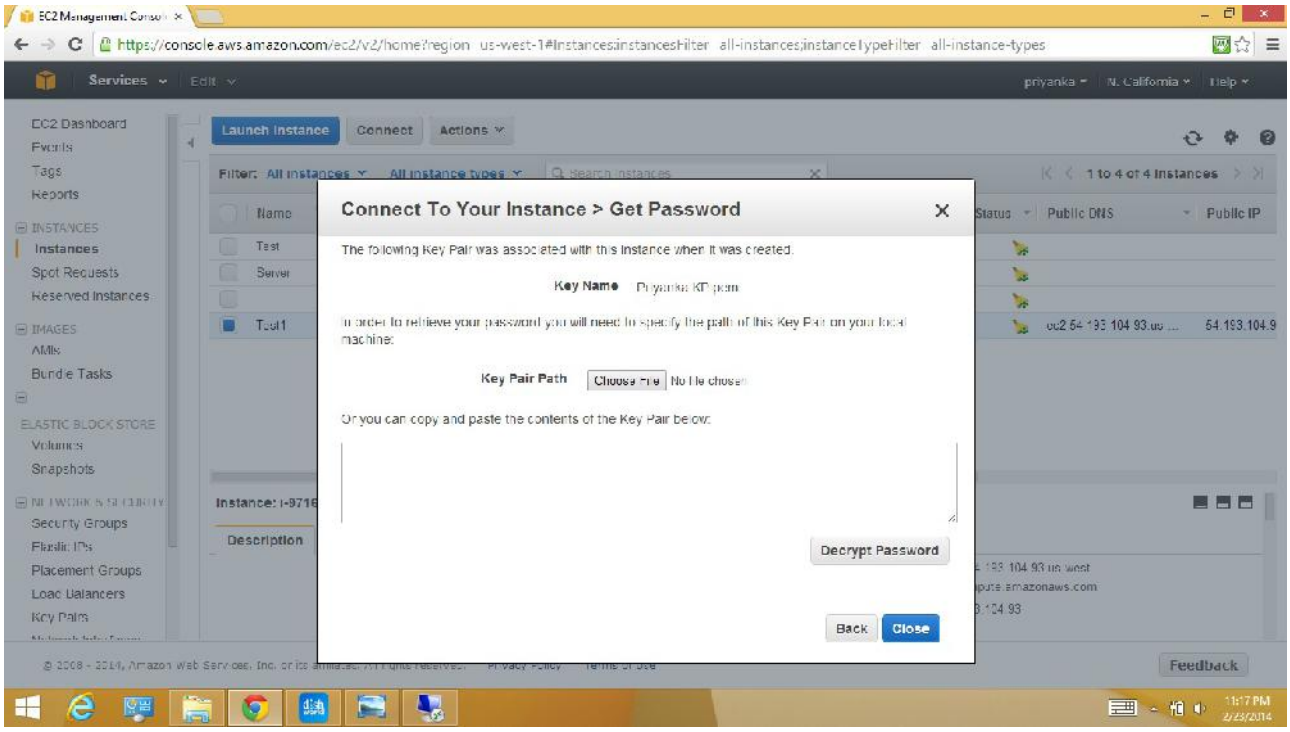




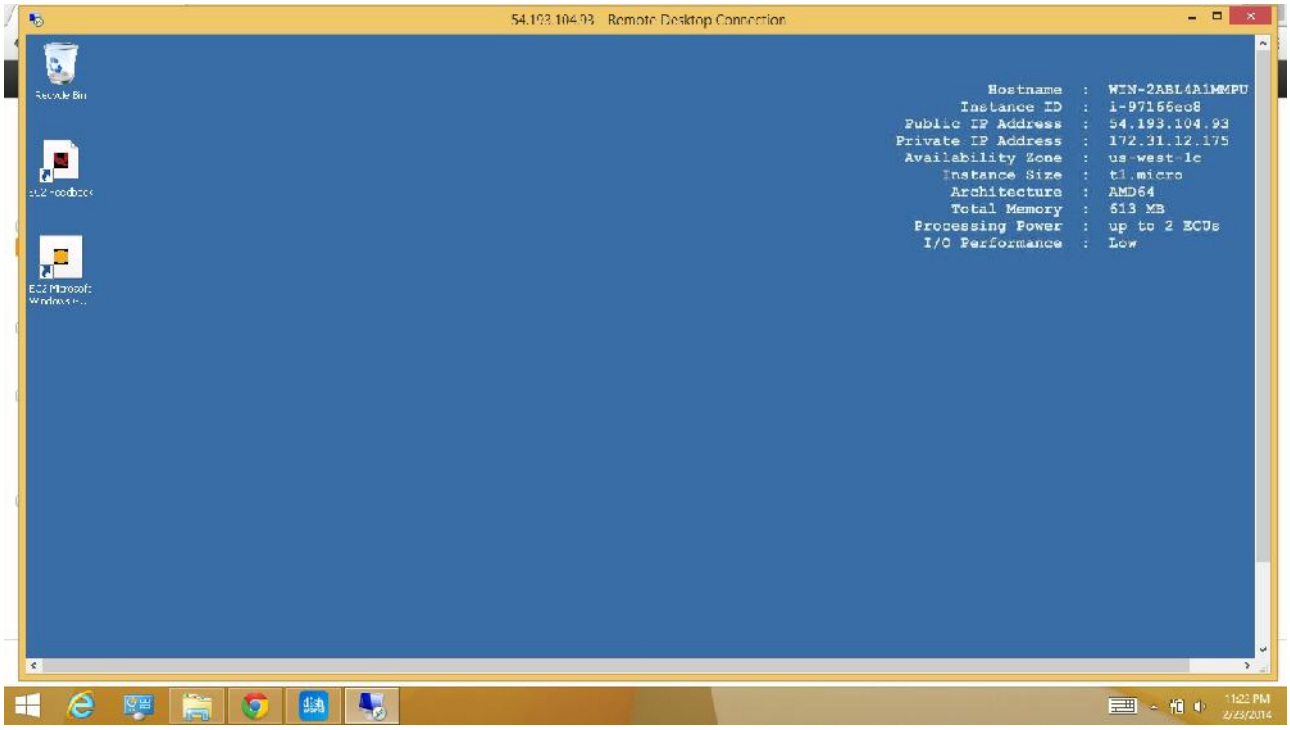
12. Select Test1 and click on 'Connect'. Click on 'Get Password' to decrypt the newly generated password.



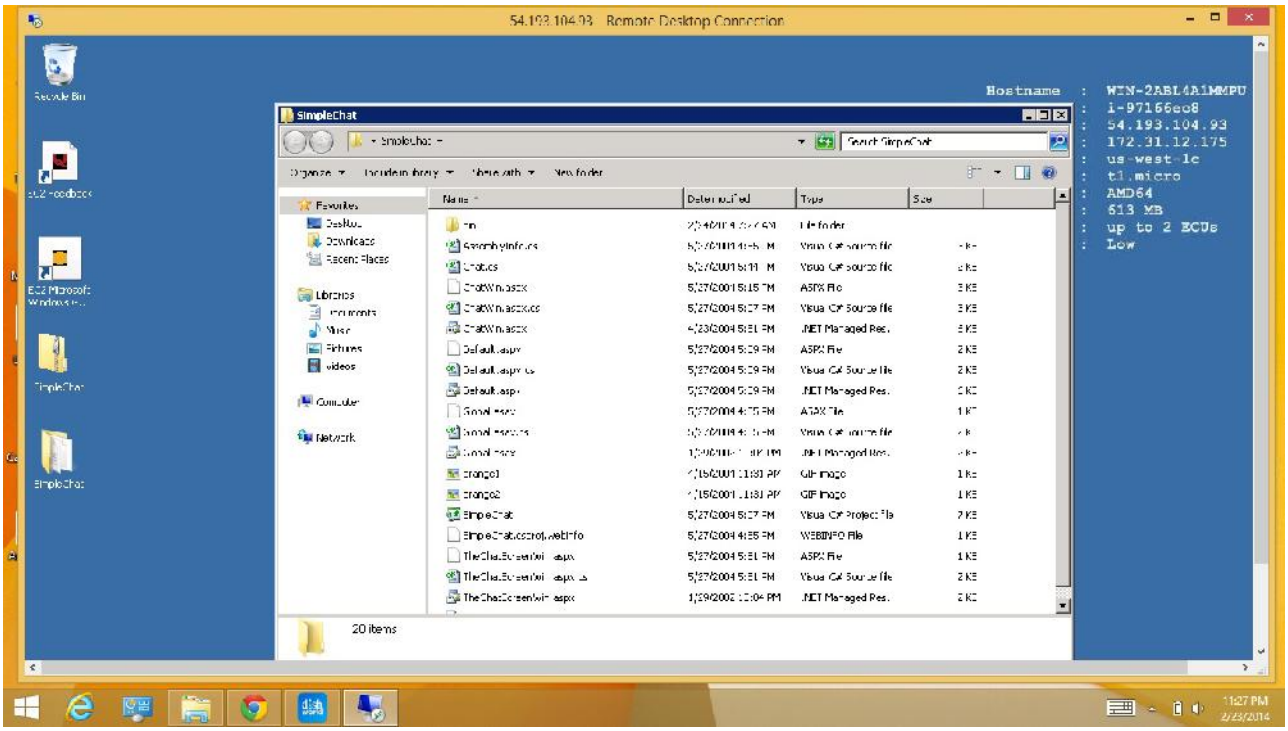
13. Select the key pair, downloaded in Step 8. Click on Decrypt password. Save the credentials.



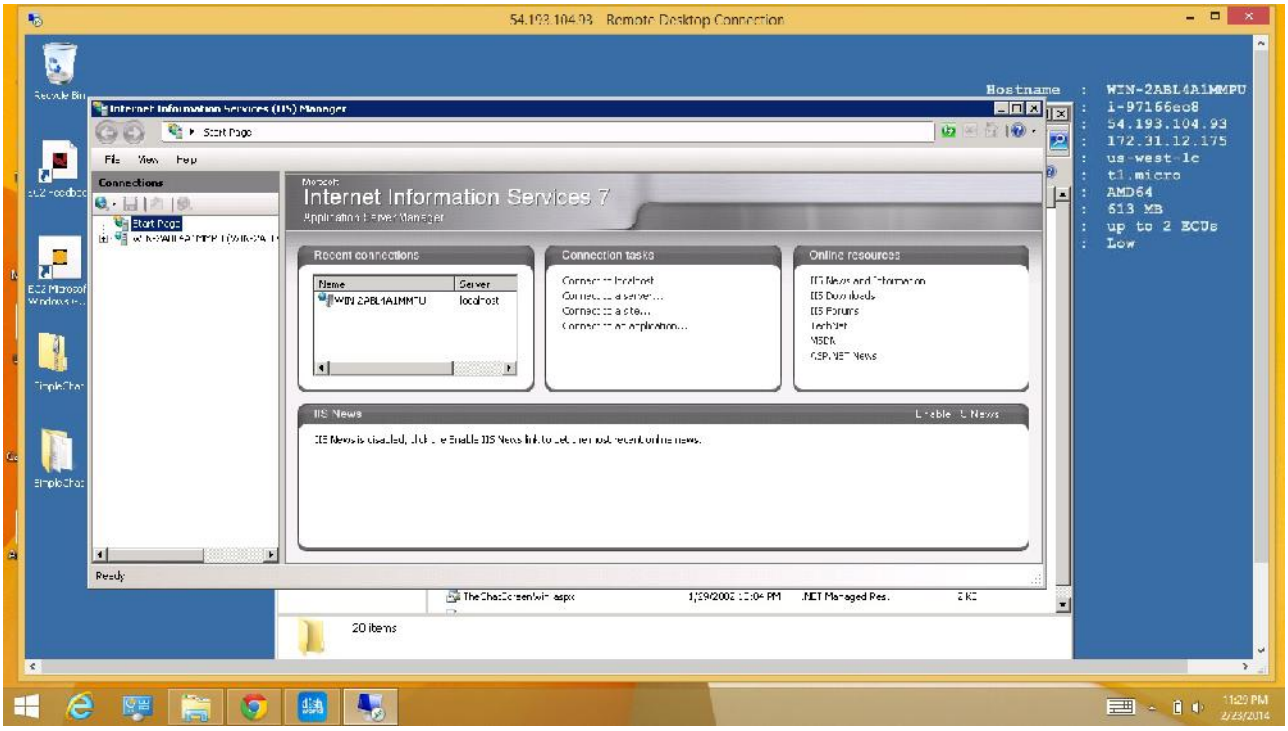
14. Run 'mstsc' from your local machine. Enter the ip address for Test1 as listed under 'Public Ip' on the instance dashboard. Connect using the credentials from Step 13.



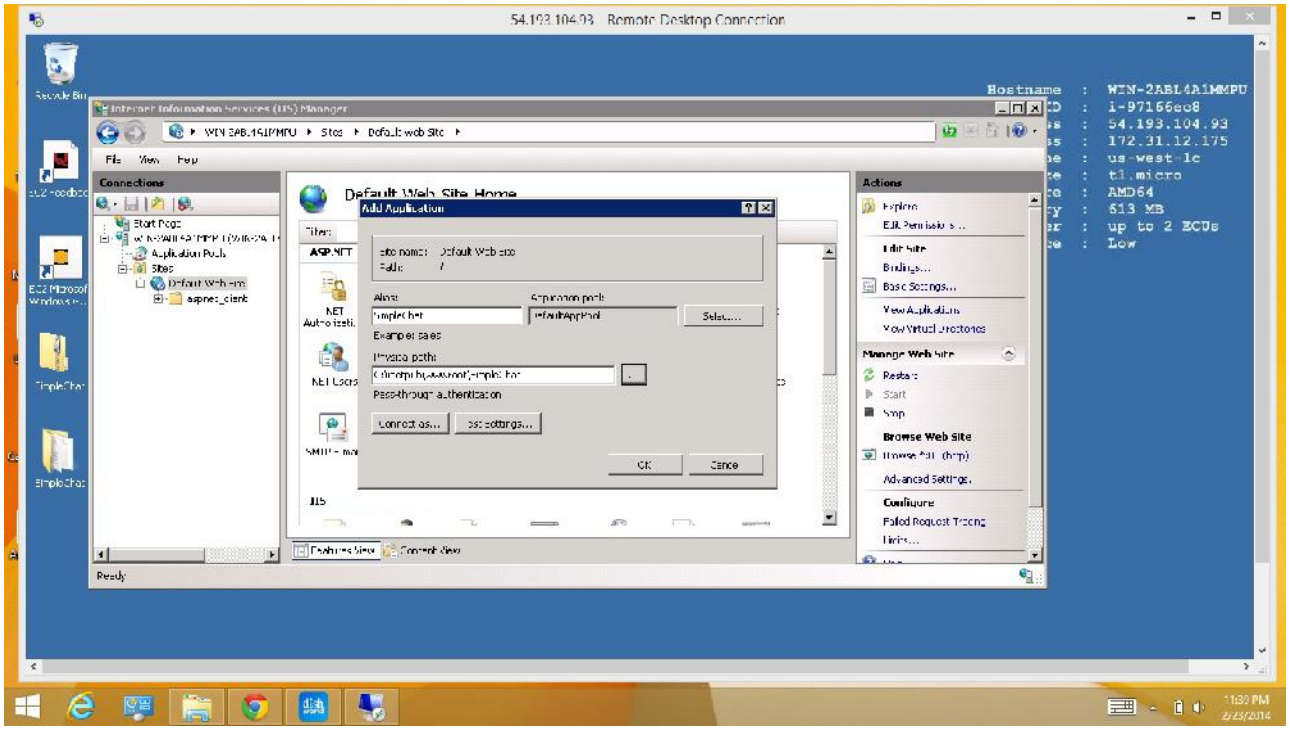
15. Copy the 'Simple Chat' application files to Test1.



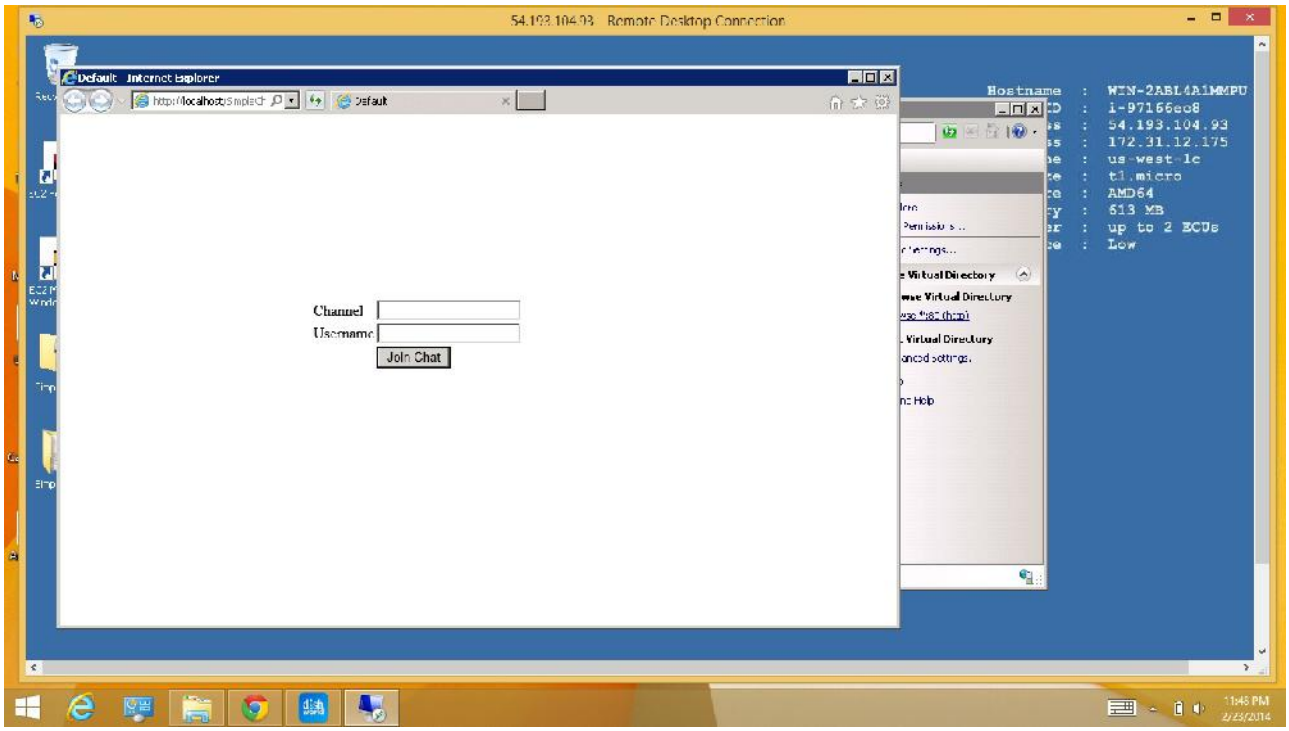
16. Launch Internet Information Services, by running 'inetmgr' command.



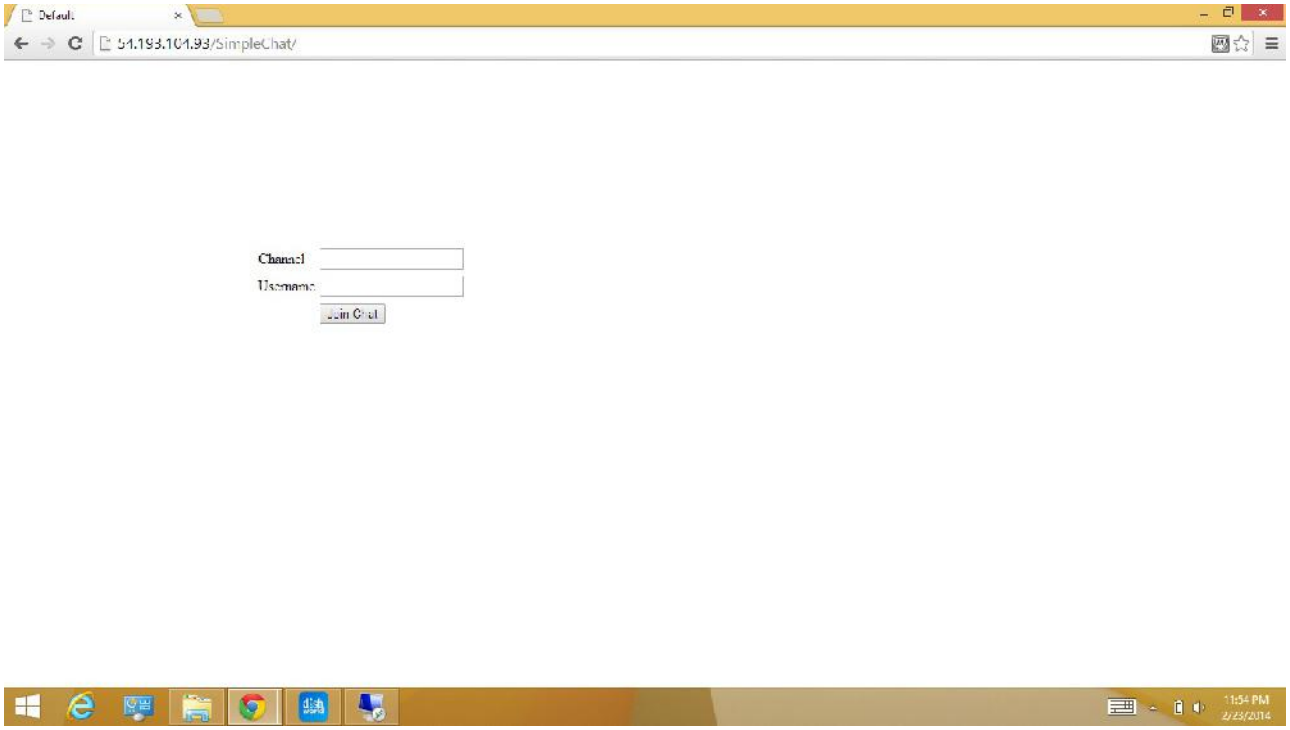
17. Create a web application under the Default web site. Configure the path and the user details for the web application.



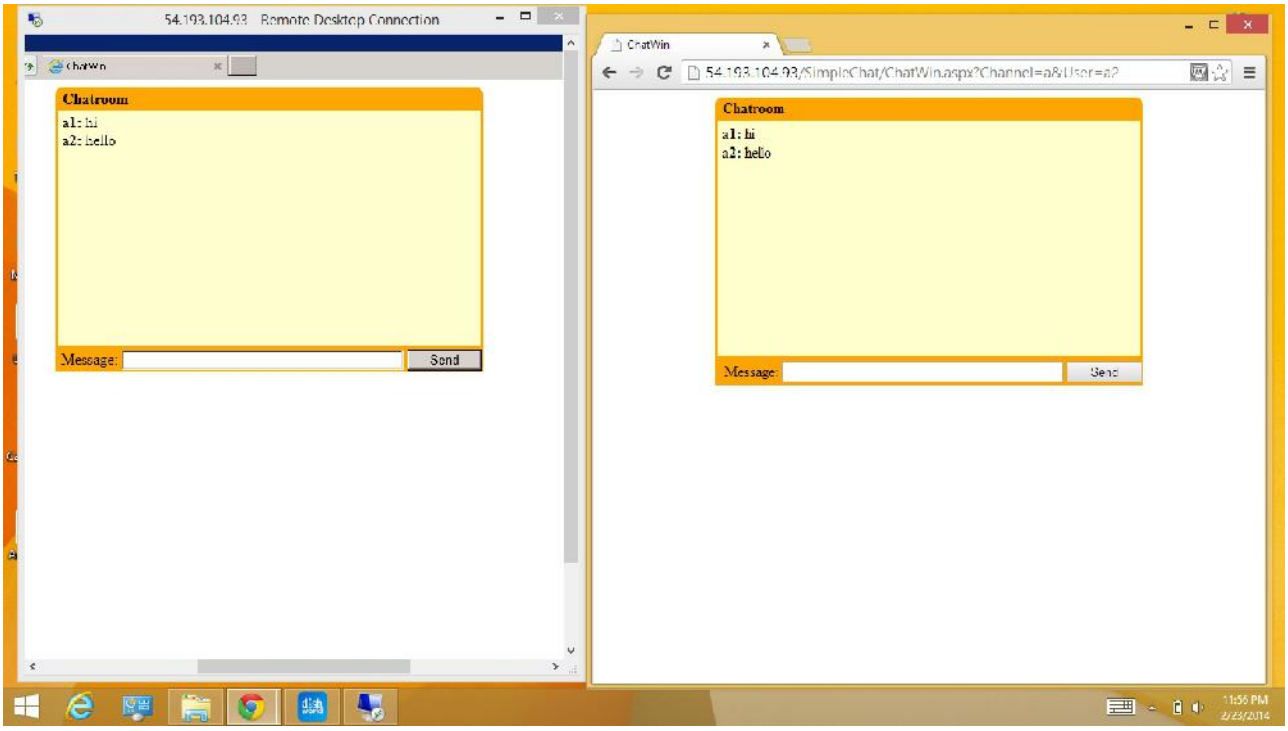
18. Browse to http://localhost/SimpleChat on Test1 to view the application home page from local machine.



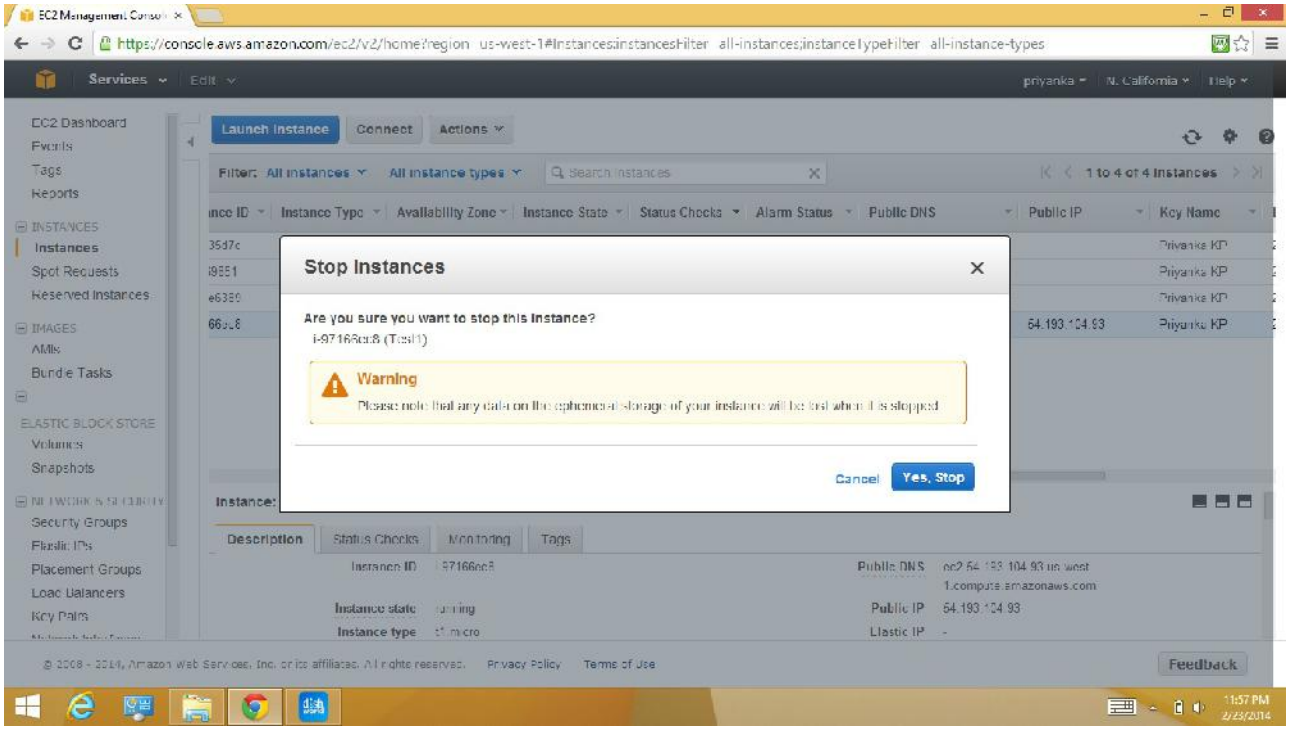
19. Browse to http://<public ip>/SimpleChat from local machine to access the web application remotely.



20. Test application by sending messages, using the chat web application, from the local machine to Test1 and vise-verse.



21. Close the remote desktop session and stop the instance.



Result: SimpleChat application successfully deployed on a Windows Server Instance running on Amazon EC2.