SelectSurvey.NET AWS (Amazon Web Service) Integration

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SelectSurvey.NET AWS Integration

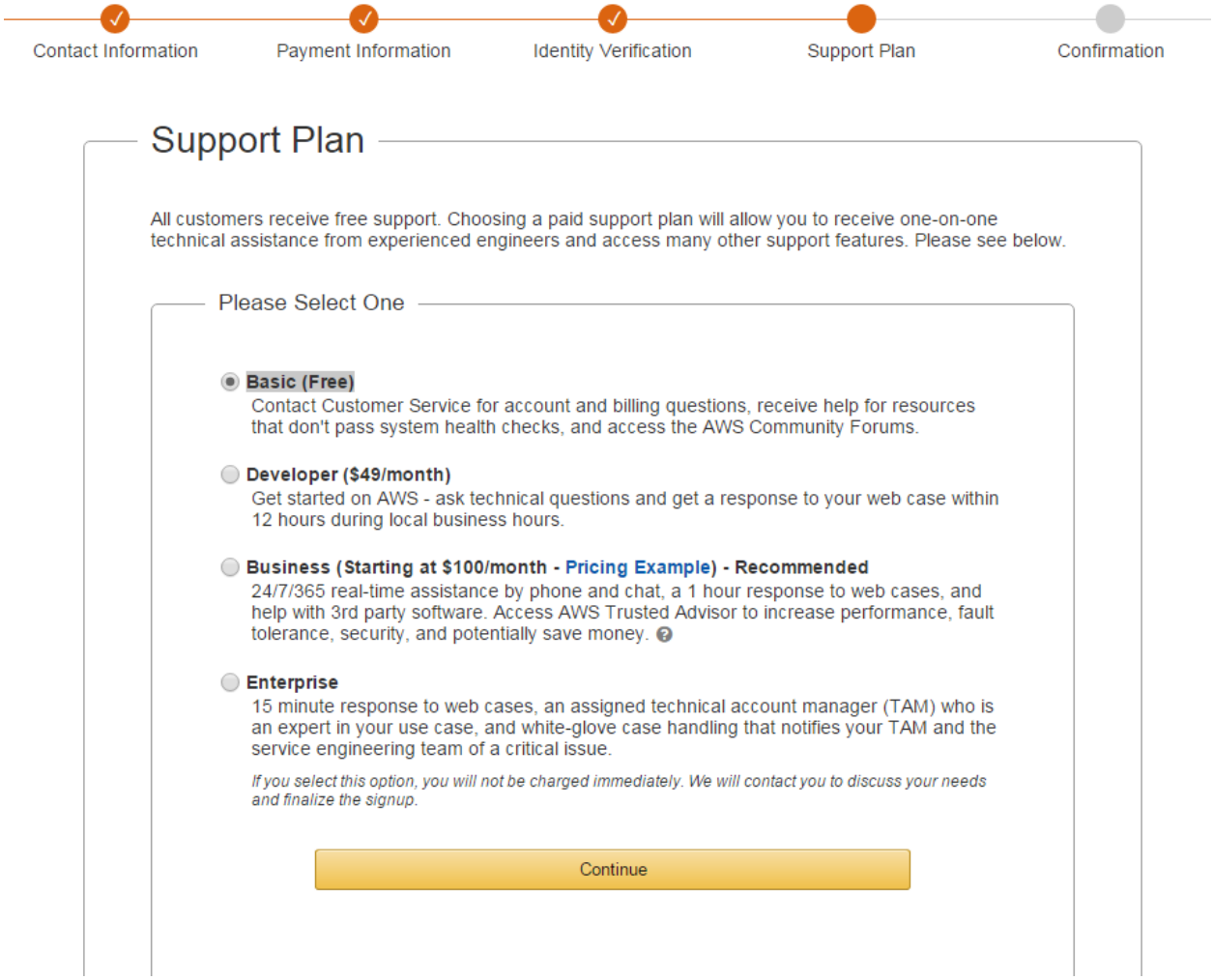
This document is a guide to deploy SelectSurvey.NET into AWS Amazon Web Services in the Cloud.

Contents

Setup AWS Amazon Subscription

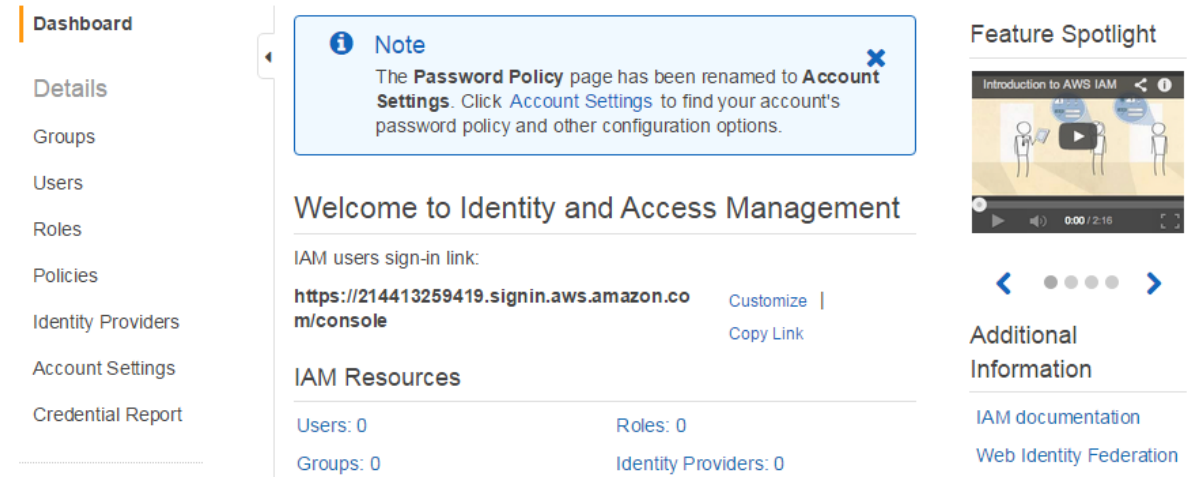
A pre-requisite for deploying SelectSurvey.NET to the AWS Amazon Web Services cloud is to sign up for AWS through http://aws.amazon.com.

1. Signup AWS free account here: http://aws.amazon.com/
2. Once you complete Contact Information, Payment Information, Identity Verification you will need to choose Support Plan. Choose the one fits to your need. For this example we will choose **Basic (Free).**

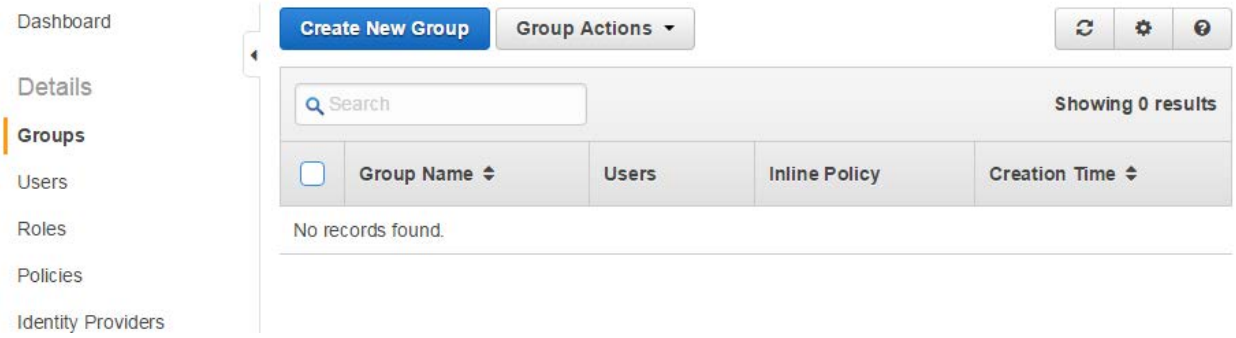


Create an IAM User

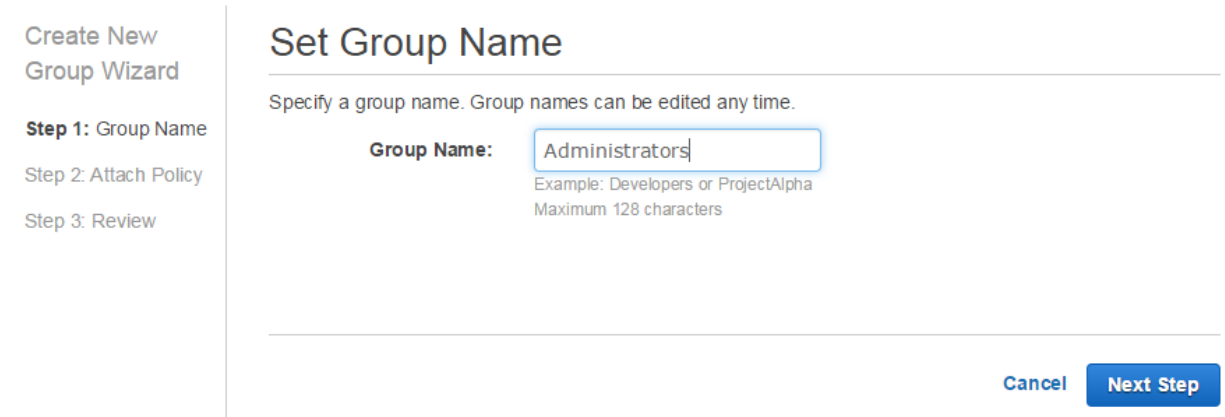
1. Go to https://console.aws.amazon.com/iam/ and click Groups on the left pane.



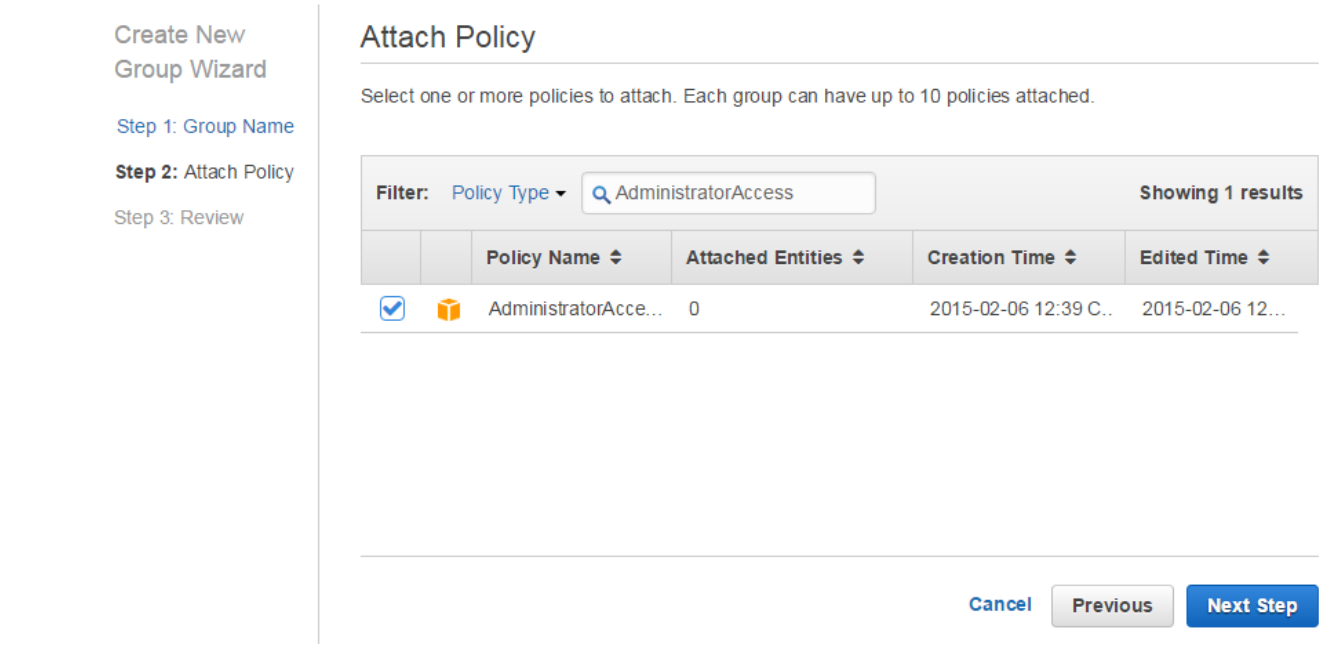
2. Click **Create New Group** button.



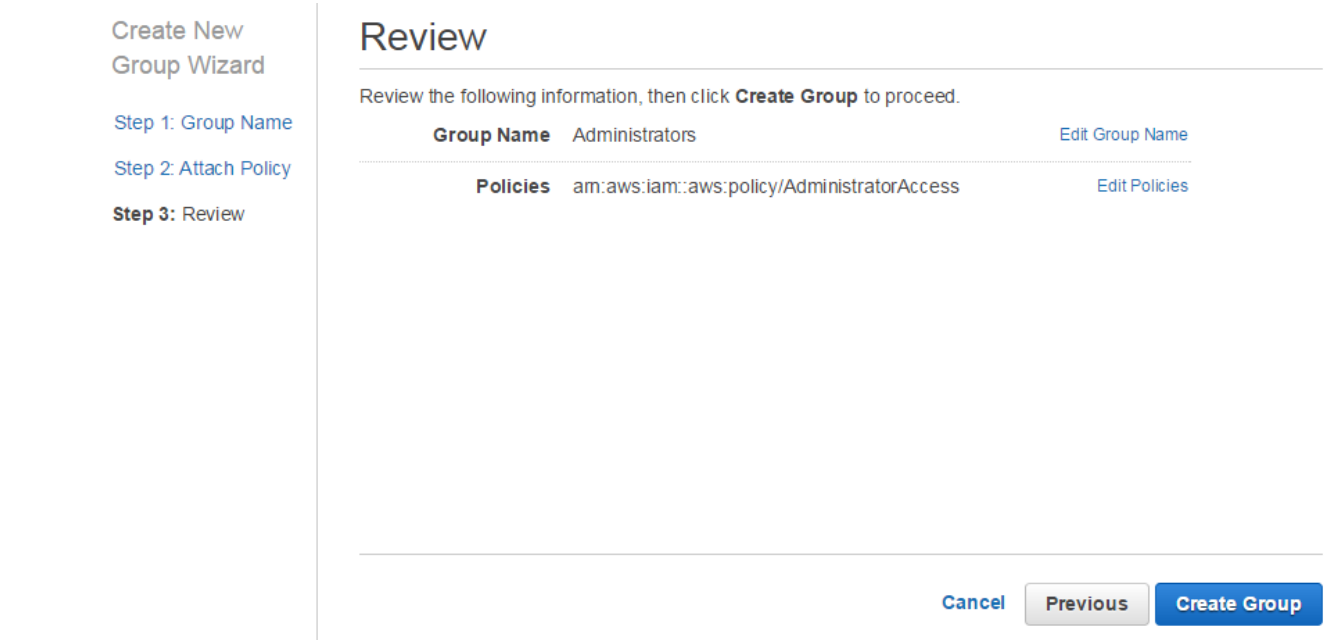
3. Give a name to your group such as *Administrators* and click **Next Step** button.



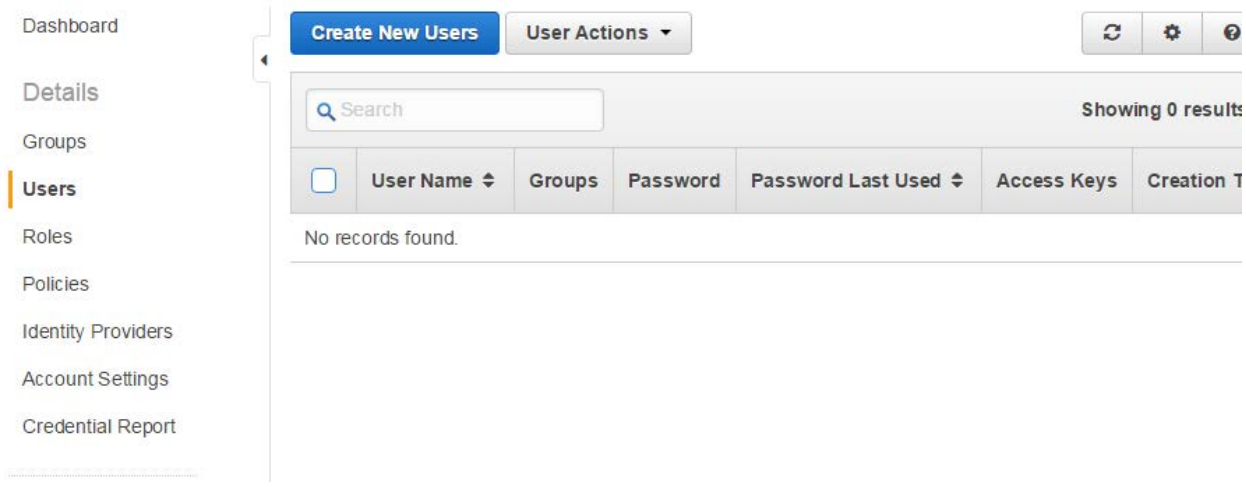
4. Type *AdministratorAccess* into search box and choose the checkbox on the left side of **AdministratorAccess** line and click **Next Step** button.



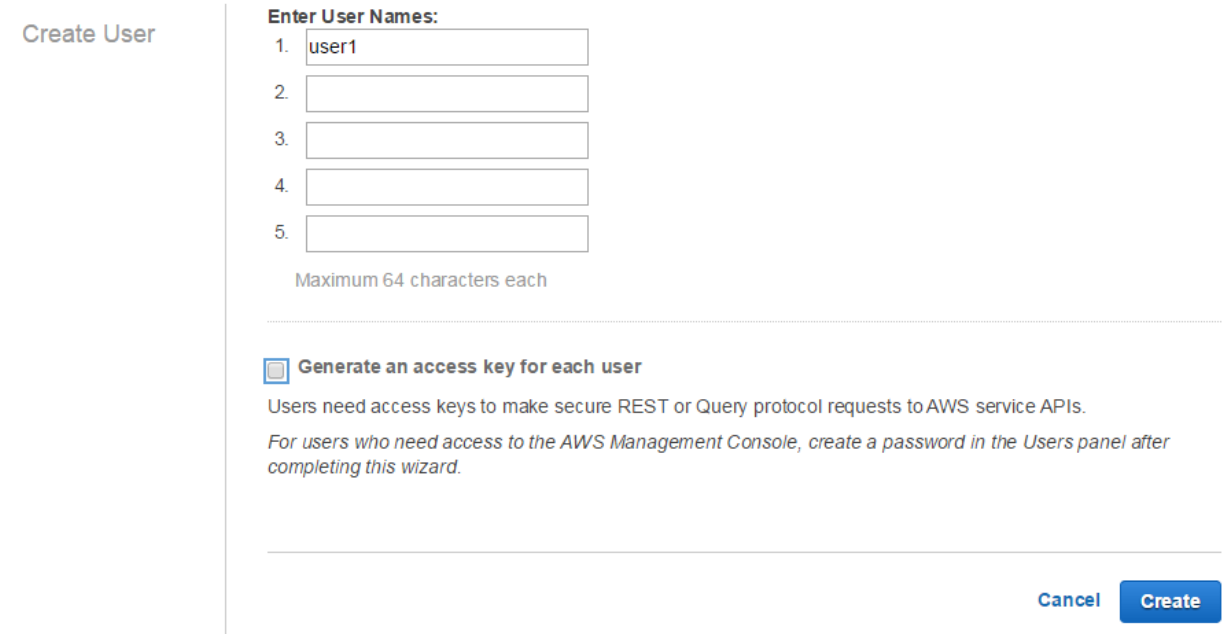
5. Review the group you created and click **Create Group** button.



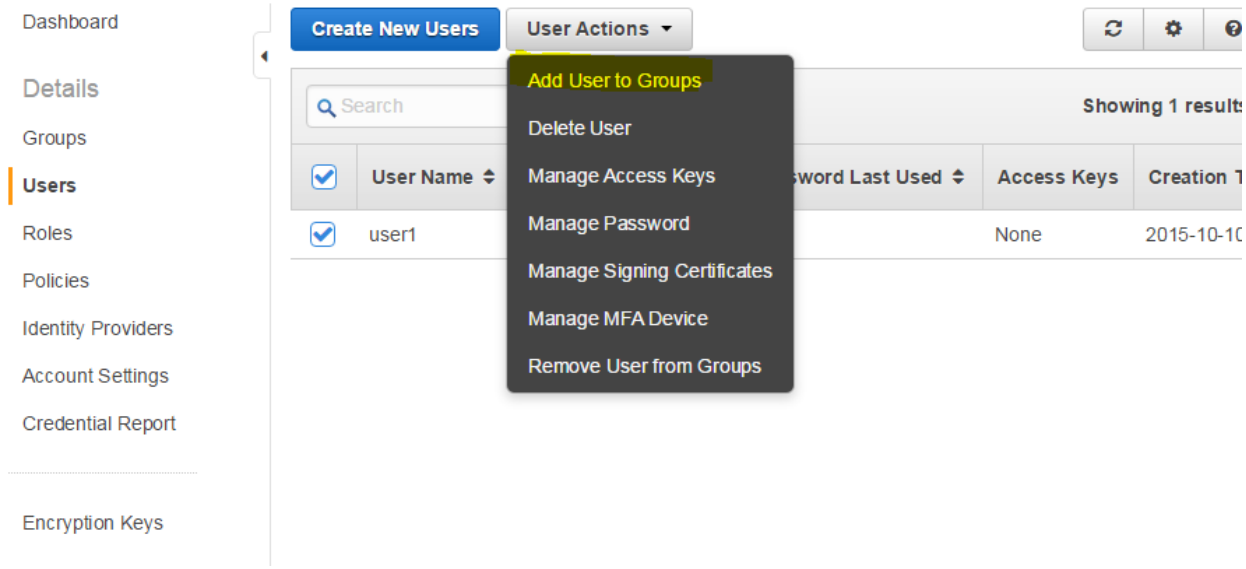
6. Create IAM User: Click Users on the left pane, type the user name such as *adminUsers* and click **Create New Users** button.



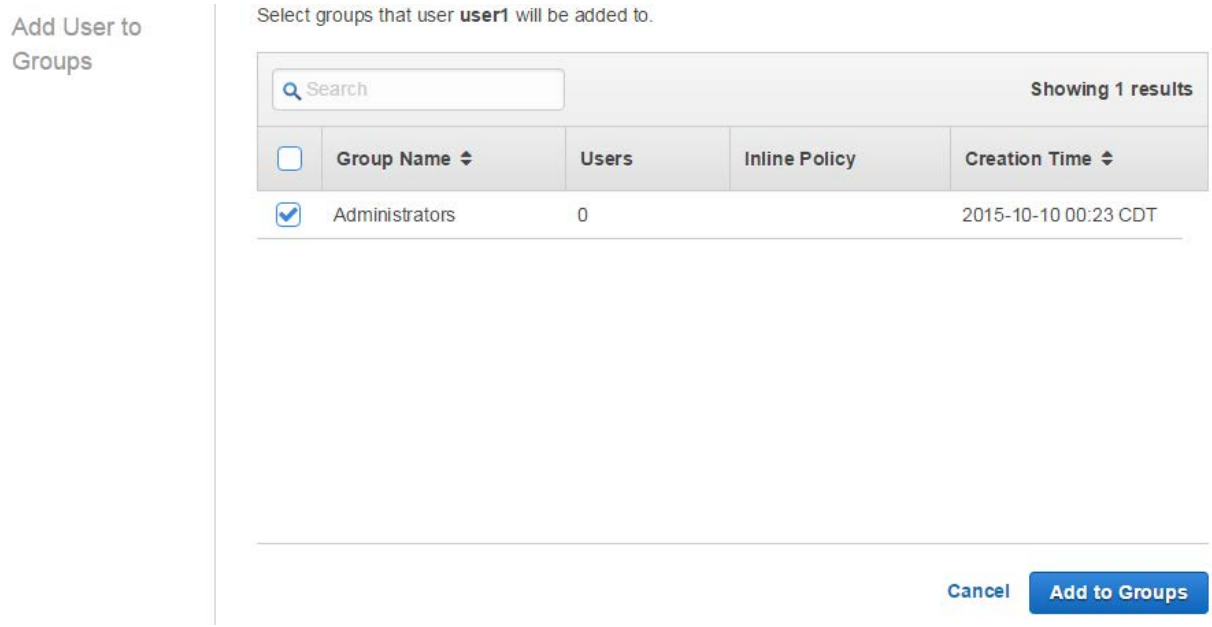
7. Enter user names and uncheck **Generate an access key for each user** checkbox. Then click **Create** button.



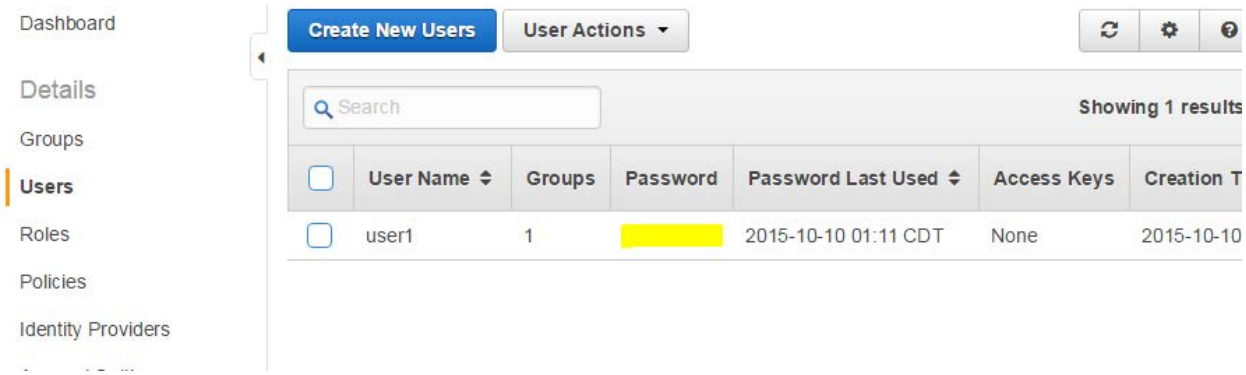
8. Check the users you want to add to Groups.



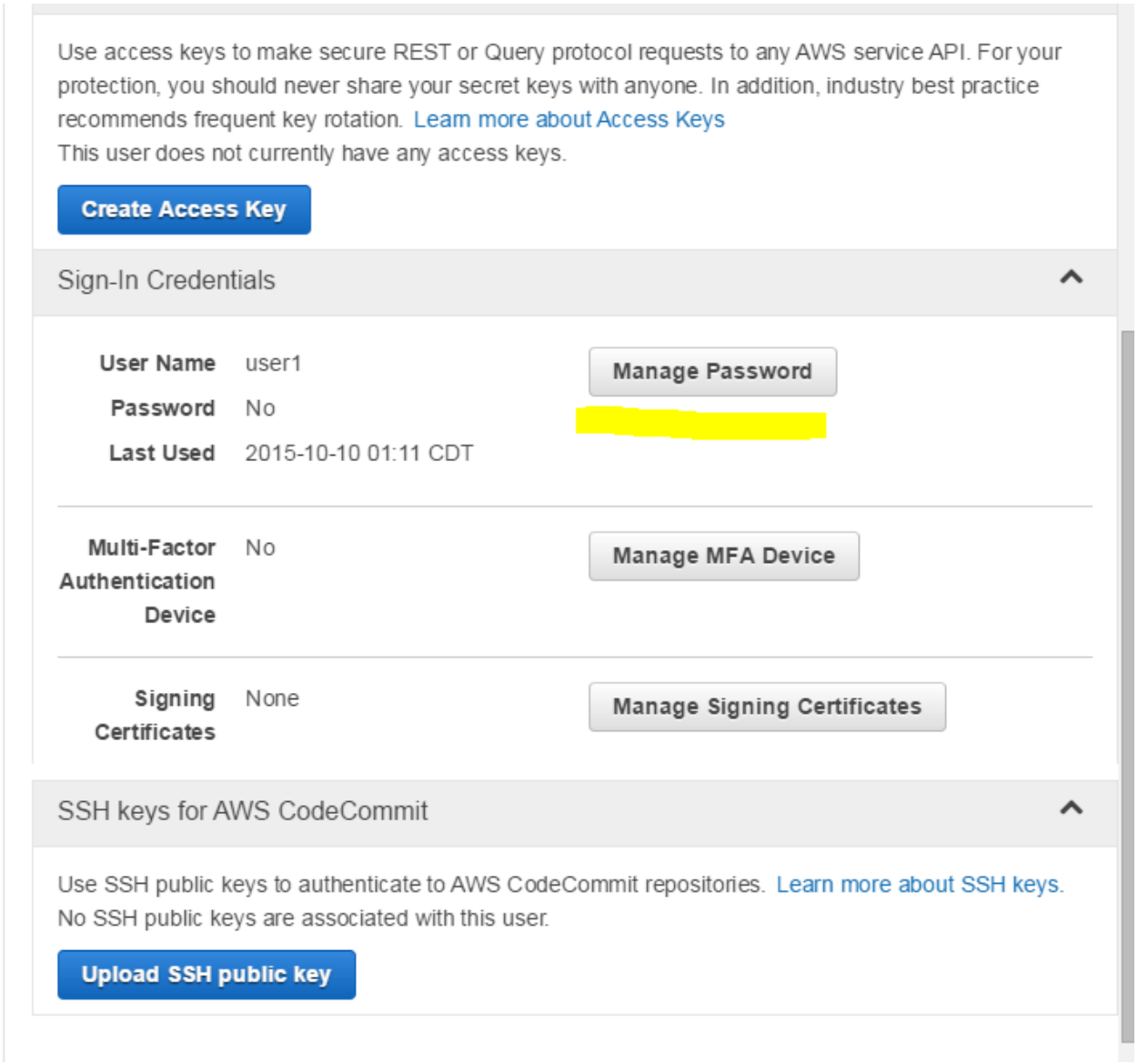
9. Check the checkbox on the left side of the Group you wanted to add the user to and click **Add to Groups** button.



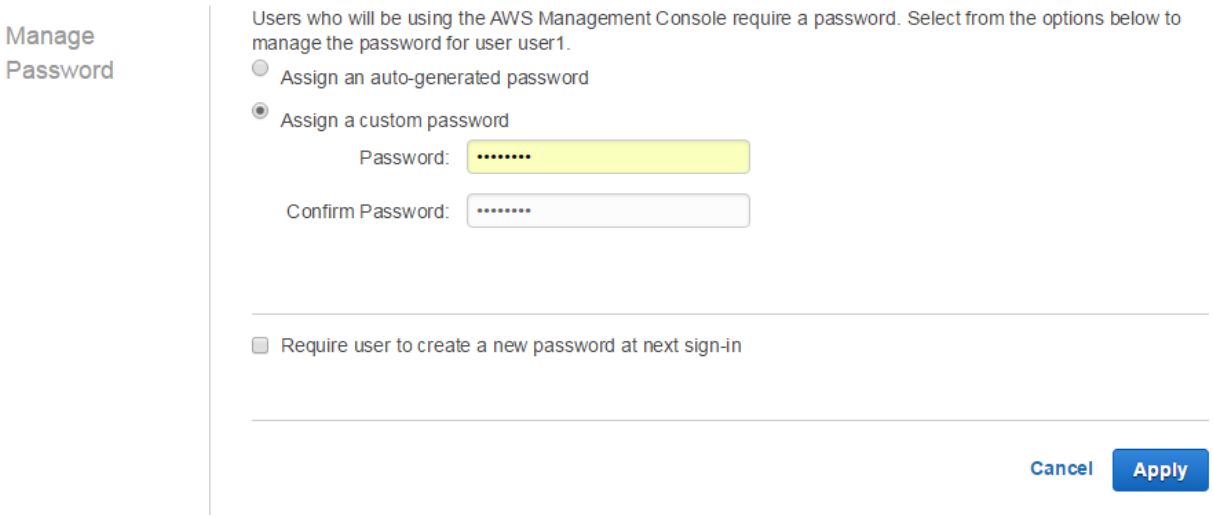
10. As of right now we haven't set up password to our IAM and it should be empty. Click the user line to set up new password for IAM.



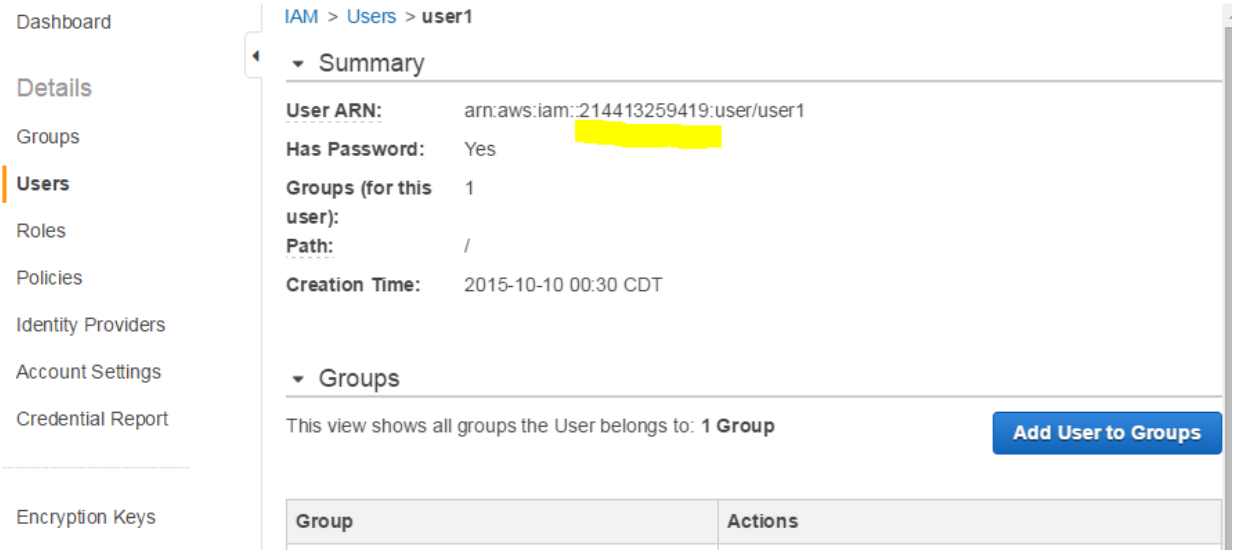
11. From the **Sign-In Credential** Section choose **Manage Password** button.



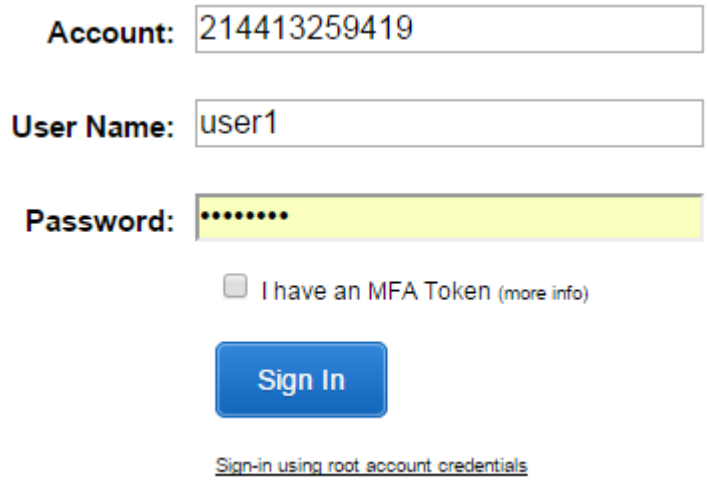
12. **Choose Assign a custom password** and click **Apply** button.



13. On that Users you can see your account info. Copy an save your AWS Account ID: 123412341234.



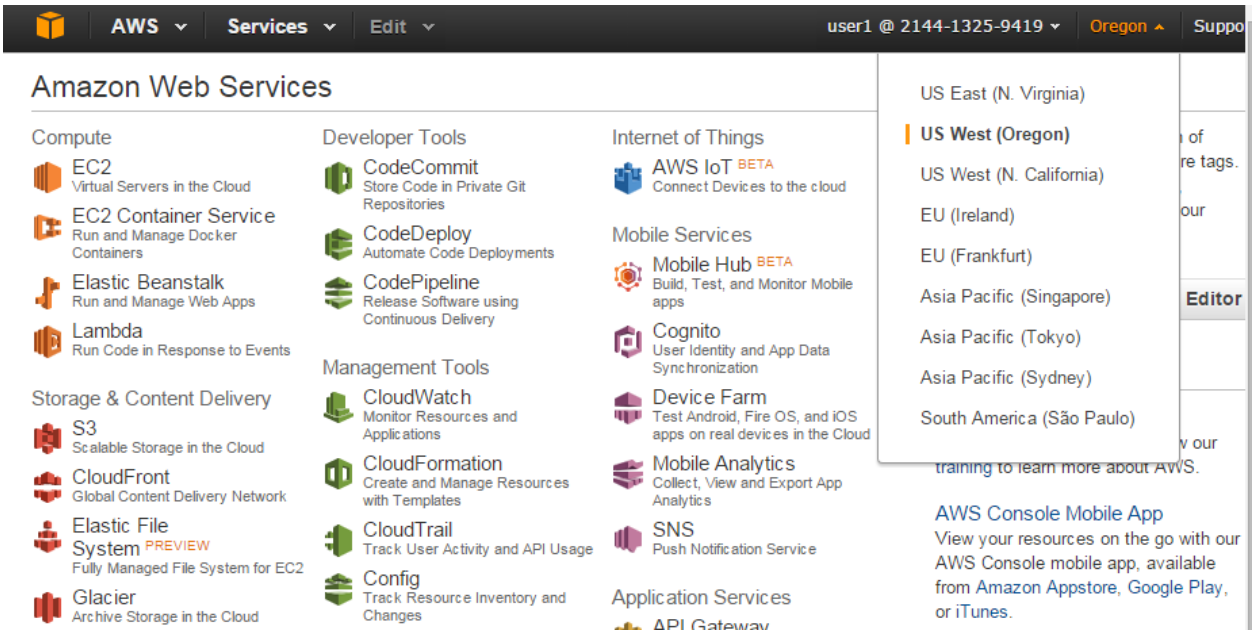
14. To sign in as new IAM user use this URL https://your_aws_account_id.signin.aws.amazon.com/console/ and replace the your_aws_account_id with your AWS account ID. It will ask your username and password.



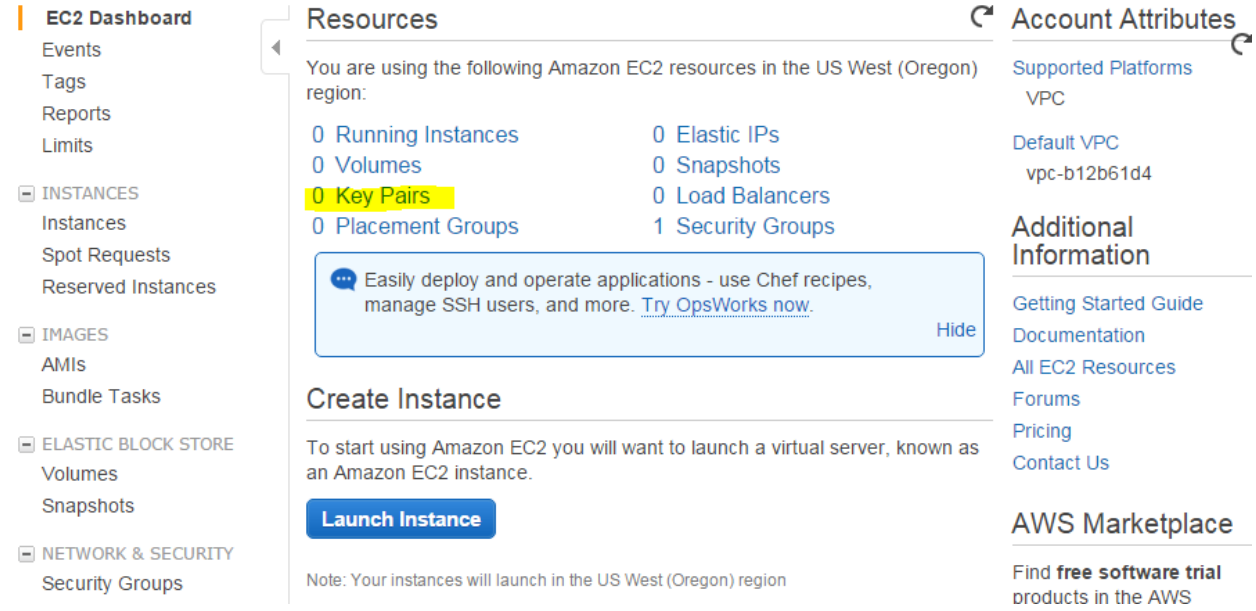
Create a Key Pair

Create a Key Pair

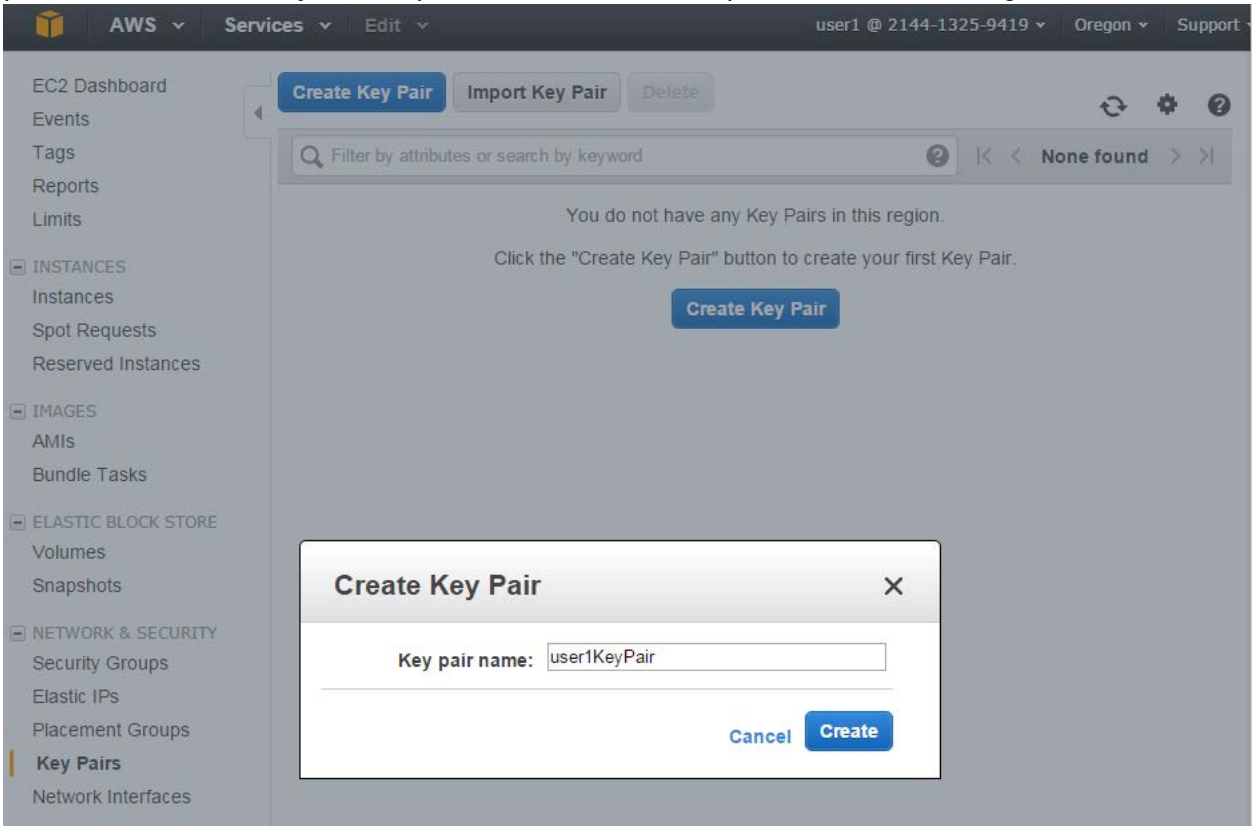
15. If you haven't chosen a region yet please choose appropriate region and then choose EC2 from the list:



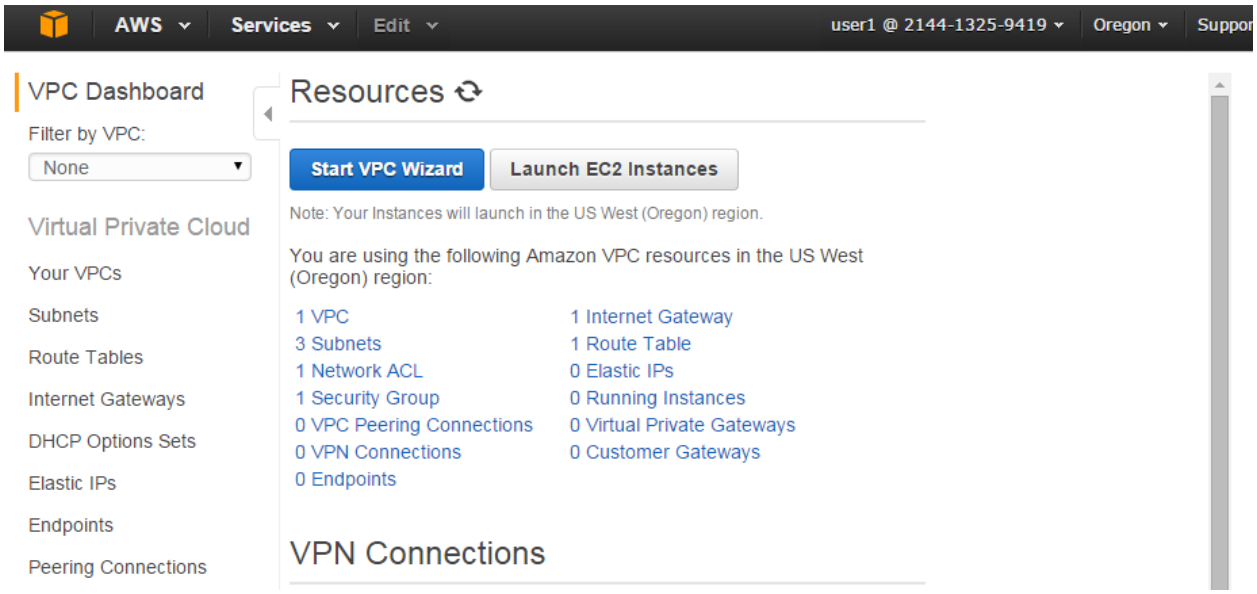
16. Click the **Key Pairs** link.



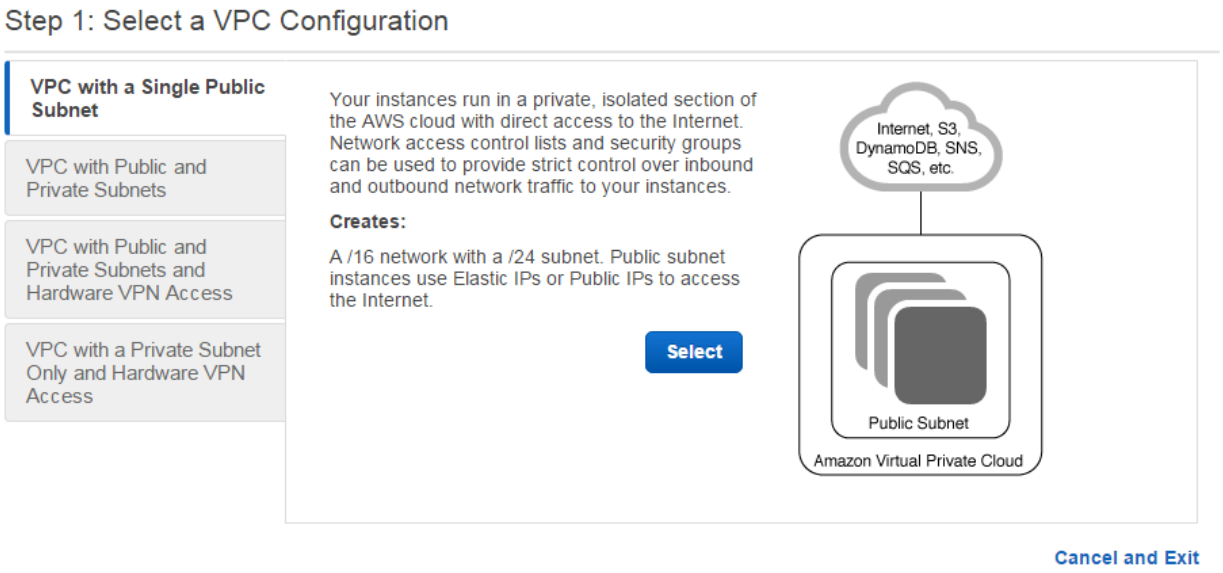
17. Click **Create a Key Pair** button, give a name to your key pair and click Create button. It should create key pair and downloads to your computer. Save it in secure place, we will be using it soon.



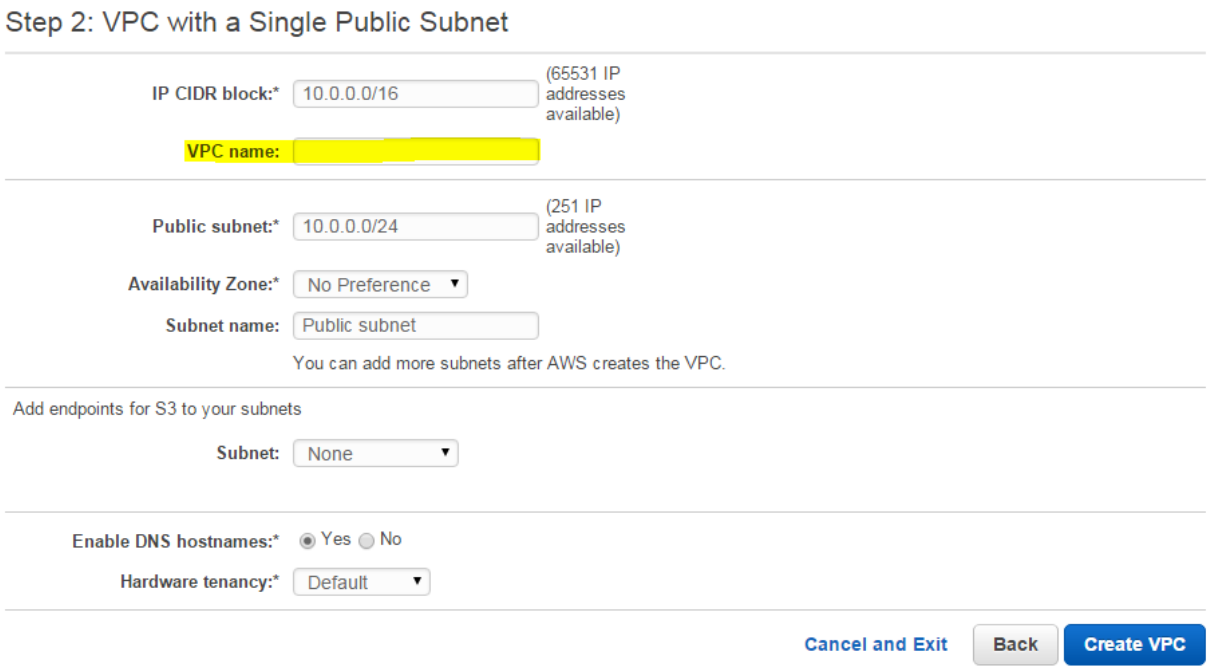
18. Open the Amazon VPC console at https://console.aws.amazon.com/vpc/ and choose region. On the VPC dashboard, click **Start VPC Wizard** button.



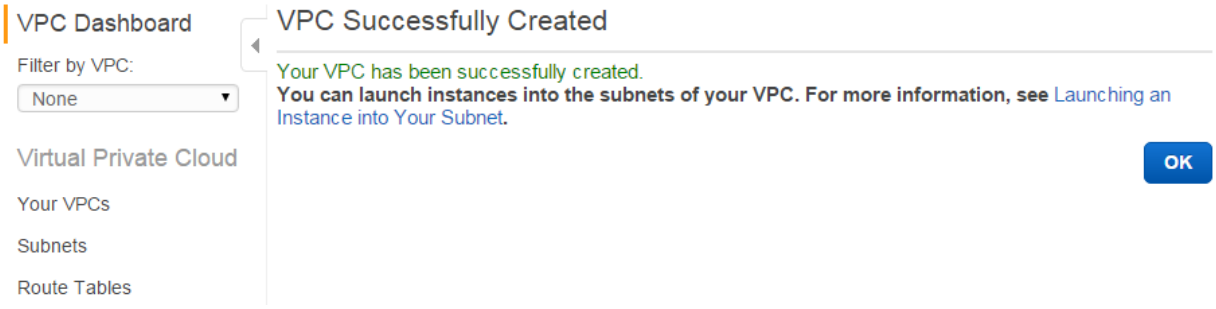
19. On the Set 1 **VPC with a Single Public Subnet** is selected. Just click **Select** button.



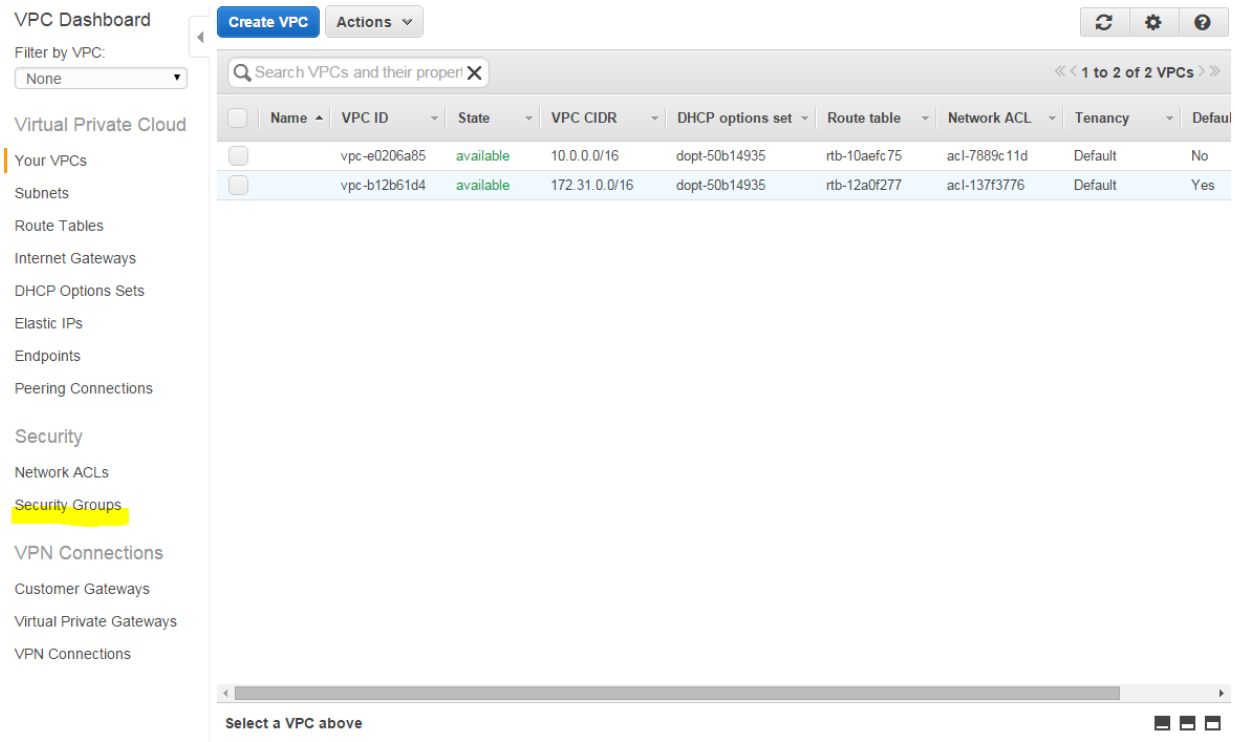
20. On the Step 2 give a VPC name and click **Create** button.



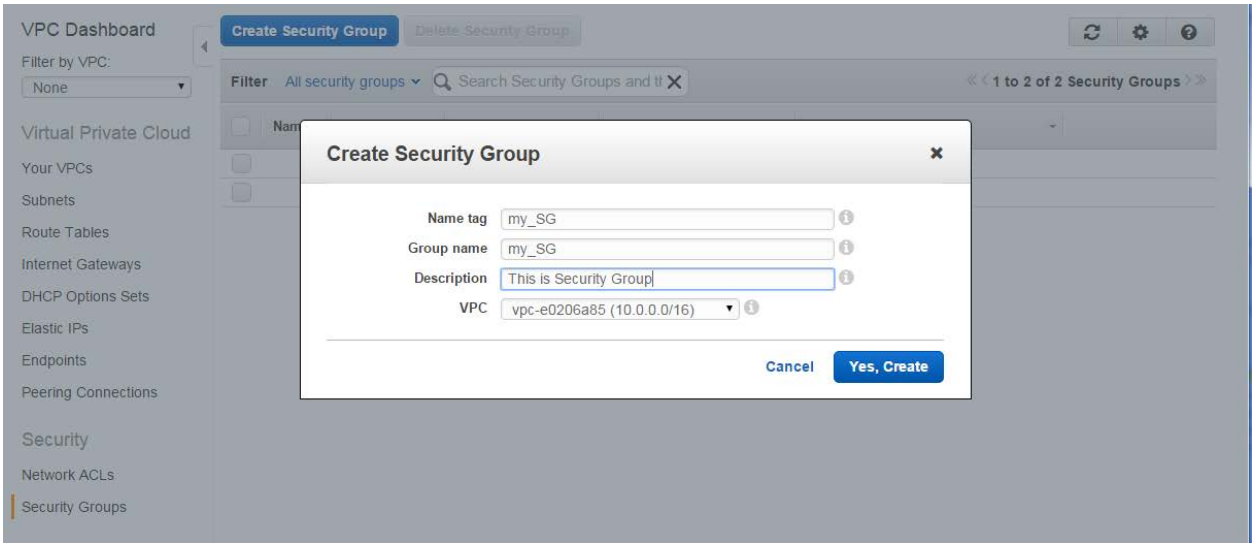
21. You should receive Success Message and click **OK** button.



22. To create a security group with least privilege and click **Security Groups** on the left pane.



23. Click **Create Security Group** button. Give a name, description, VPC(make sure to choose VPC you created before) to Security Group and click **Yes, Create** button.



24. On the **Inbound tab**, create the following rules (click **Add Rule** for each new rule), and then click **Create**:

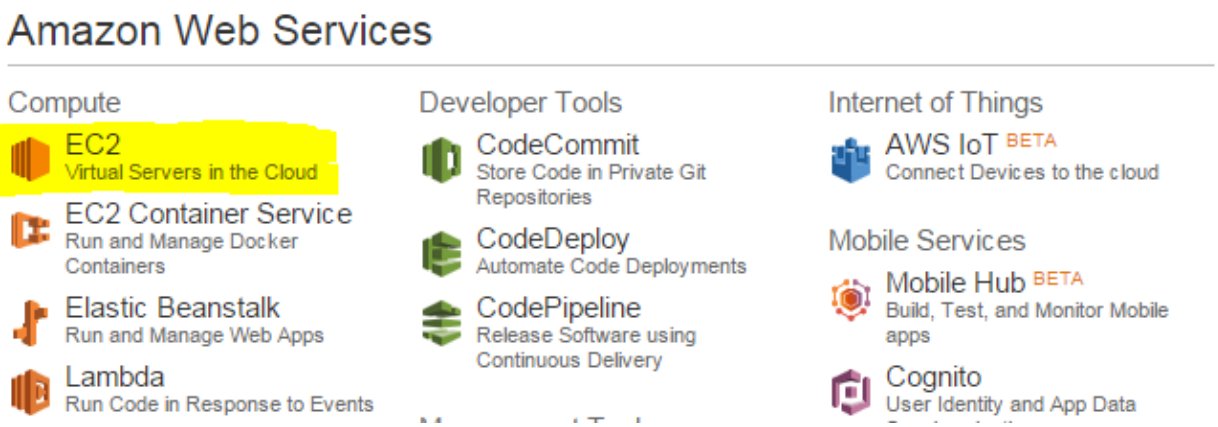
    Select HTTP from the Type list, and make sure that Source is set to Anywhere (0.0.0.0/0).

Select HTTPS from the Type list, and make sure that Source is set to Anywhere (0.0.0.0/0).
Select RDP from the Type list. In the Source box, ensure Custom IP is selected, and specify the public IP address of your computer or network in CIDR notation. To specify an individual IP address in CIDR notation, add the routing prefix /32. For example, if your IP address is 203.0.113.25, specify 203.0.113.25/32. If your company allocates addresses from a range, specify the entire range, such as 203.0.113.0/24.

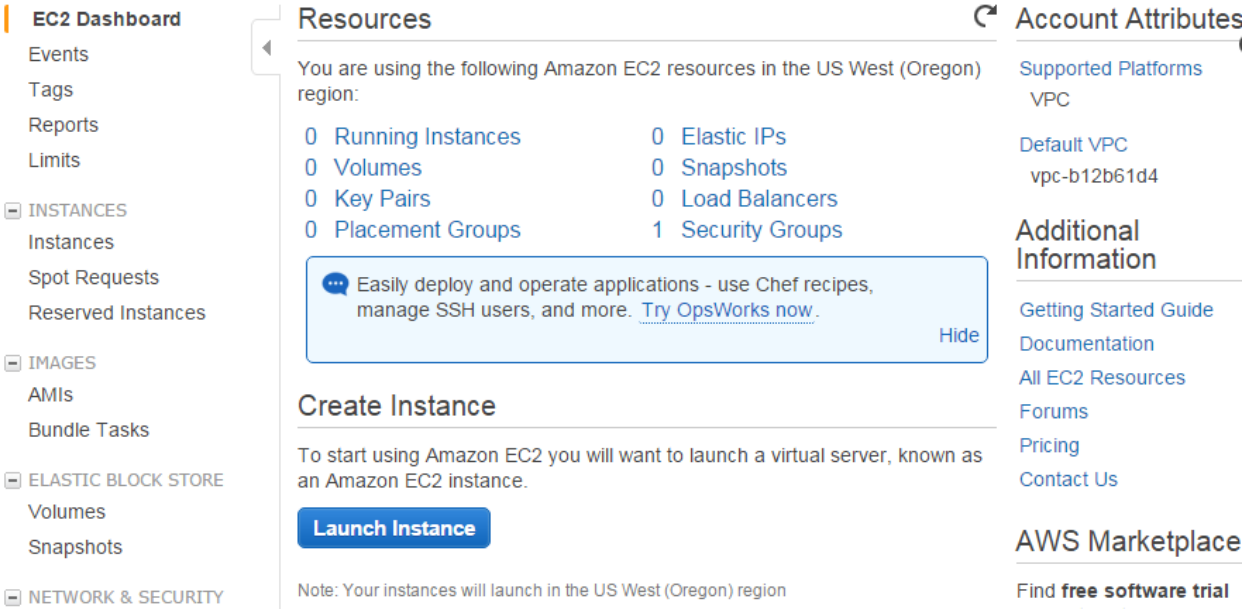
Caution
For security reasons, we don't recommend that you allow RDP access from all IP addresses (0.0.0.0/0) to your instance, except for testing purposes and only for a short time.

25. Once you complete Sign In into AWS Console by using your login and password. Then click **EC2.**

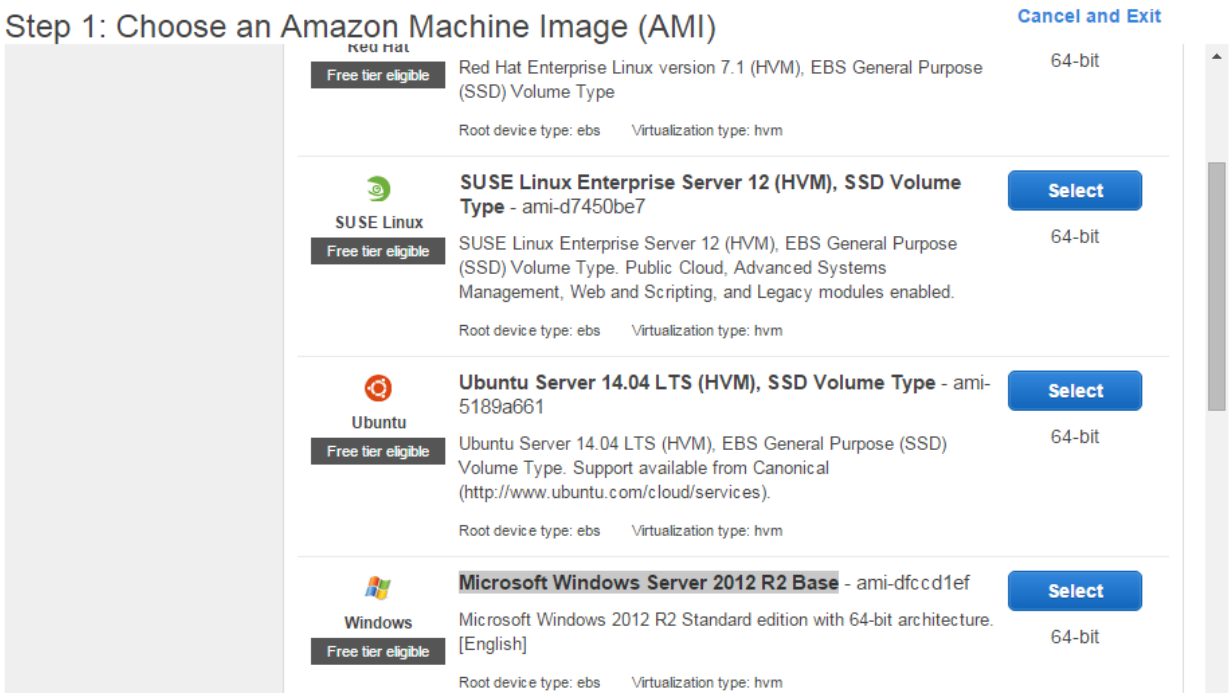
Create an EC2 Virtual Windows Server



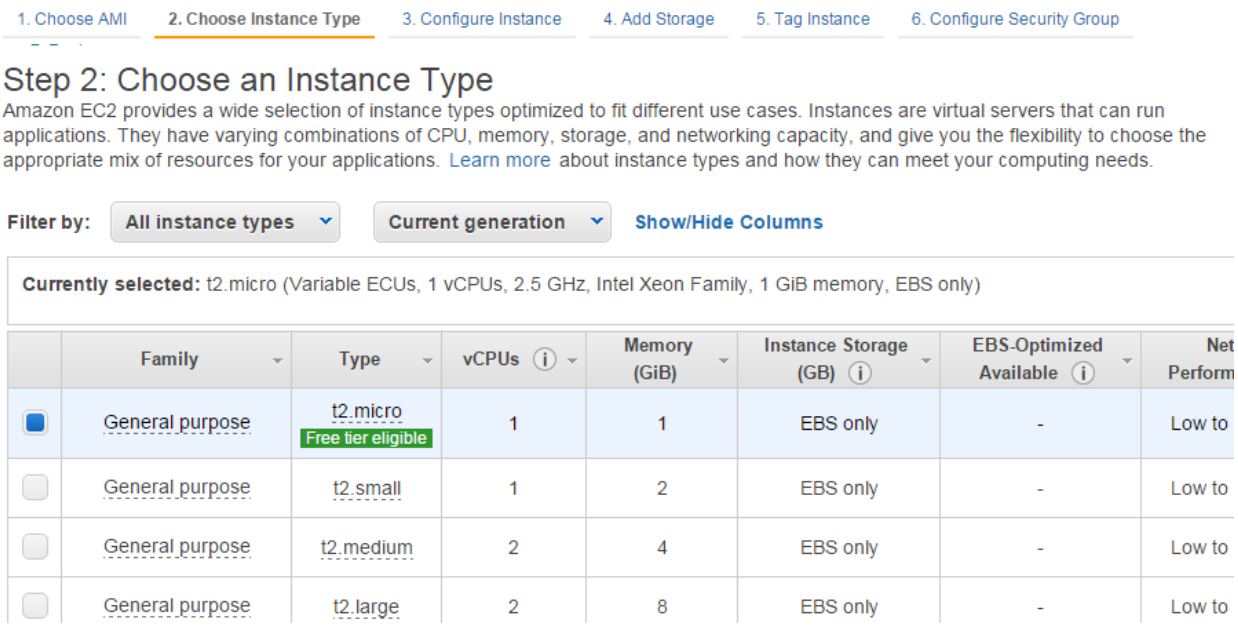
26. In order to choose OS for our server click Launch Instance.



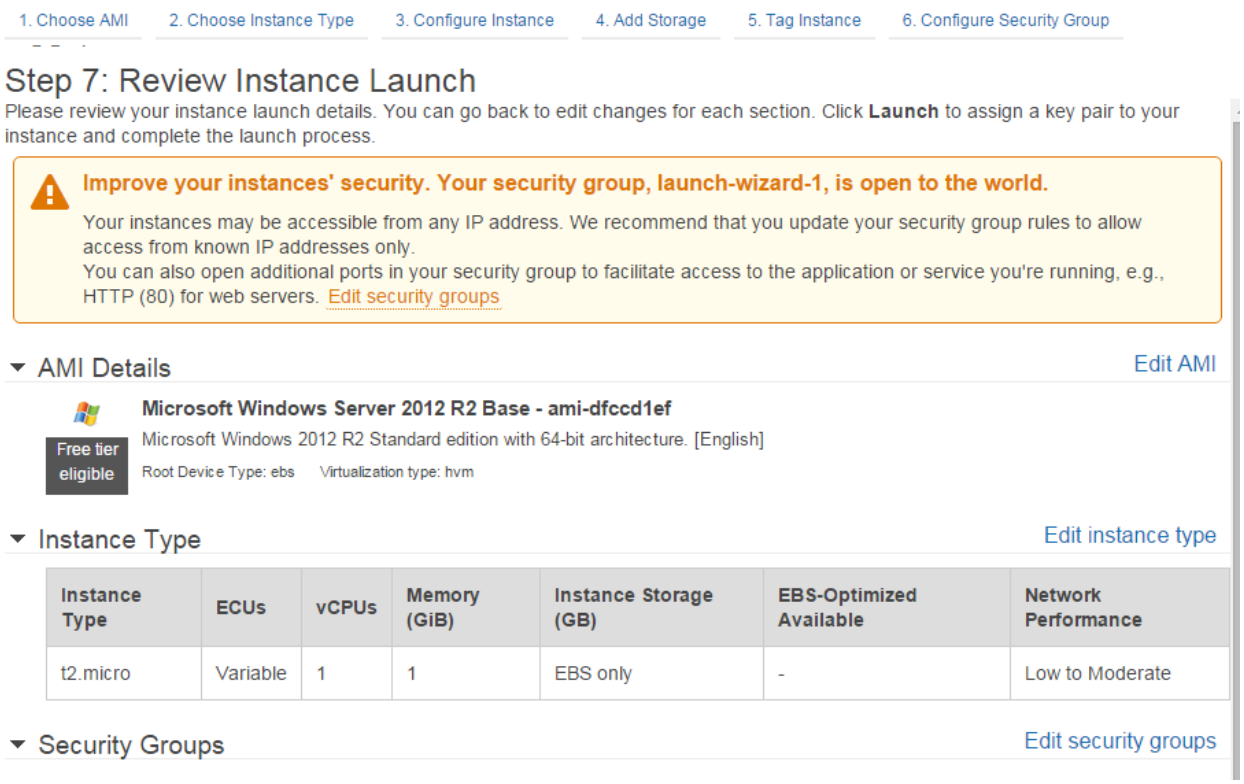
27. For this example we will choose **Microsoft Windows Server 2012 R2 Base.**



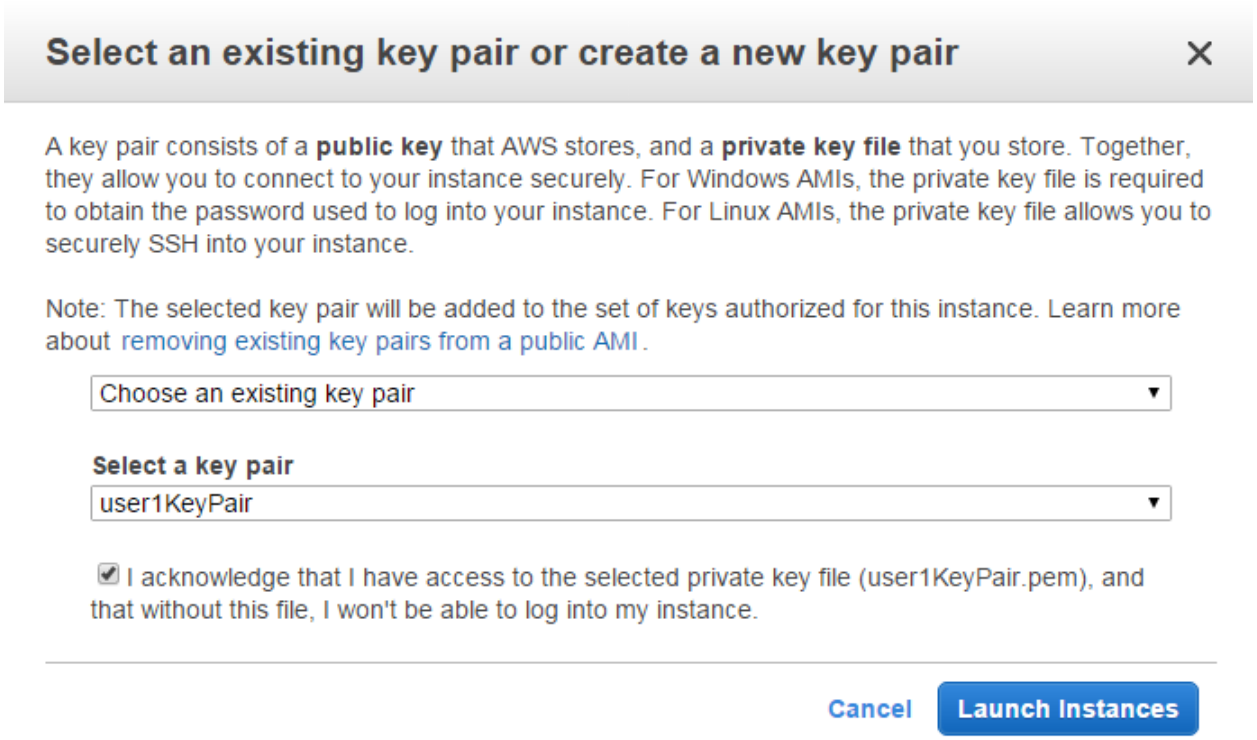
28. Make sure you choose t2.micro type.



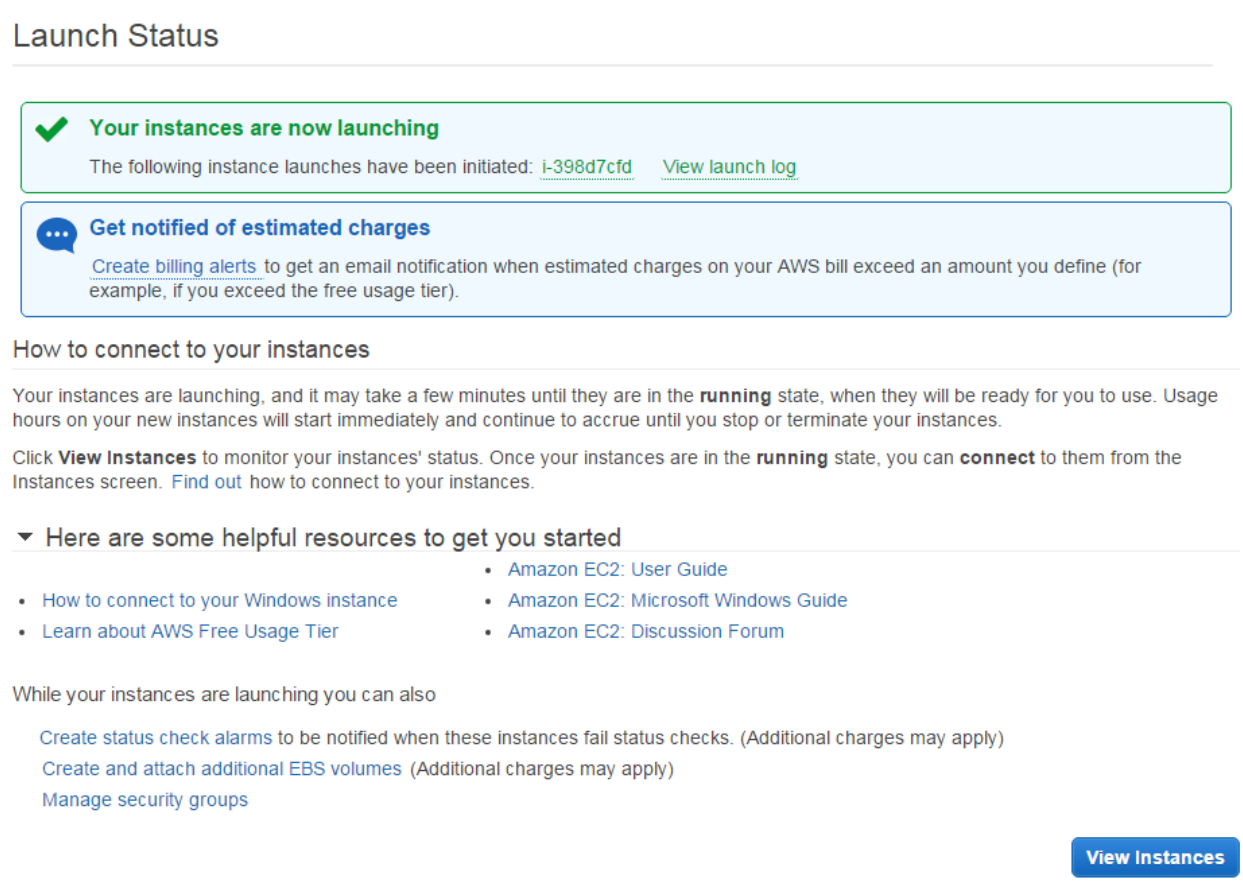
29. Click Review and Launch.
30. If this is for developing purposes you don't have to create any security group but it is not recommended. Use the Security Group your created.



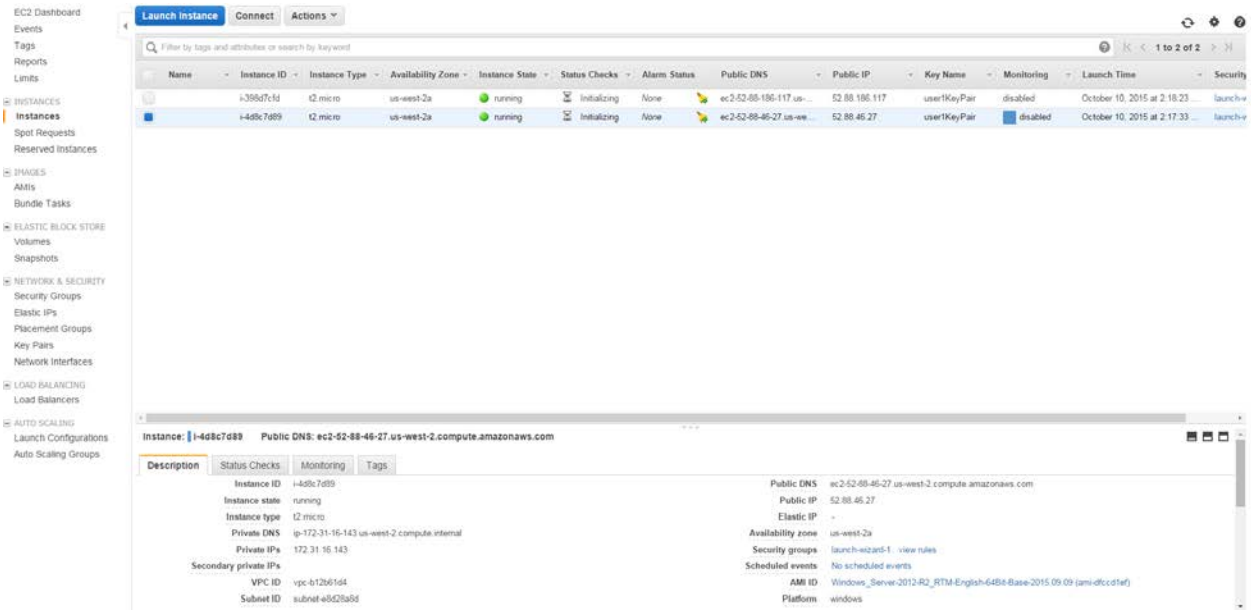
31. Click **Launch** button. Then check the acknowledge checkbox and click **Launch Instances** button.



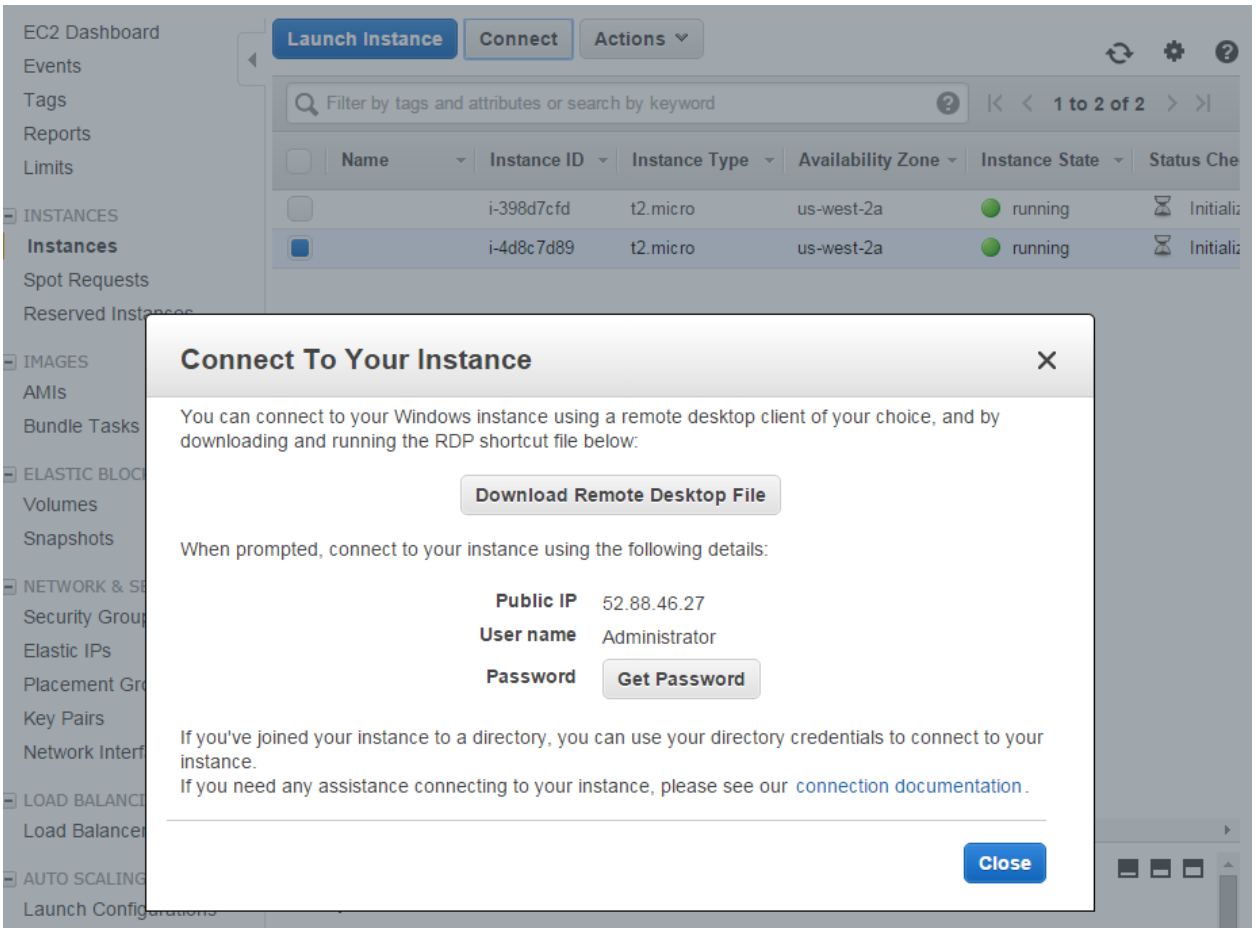
32. Click **View Instances** button.



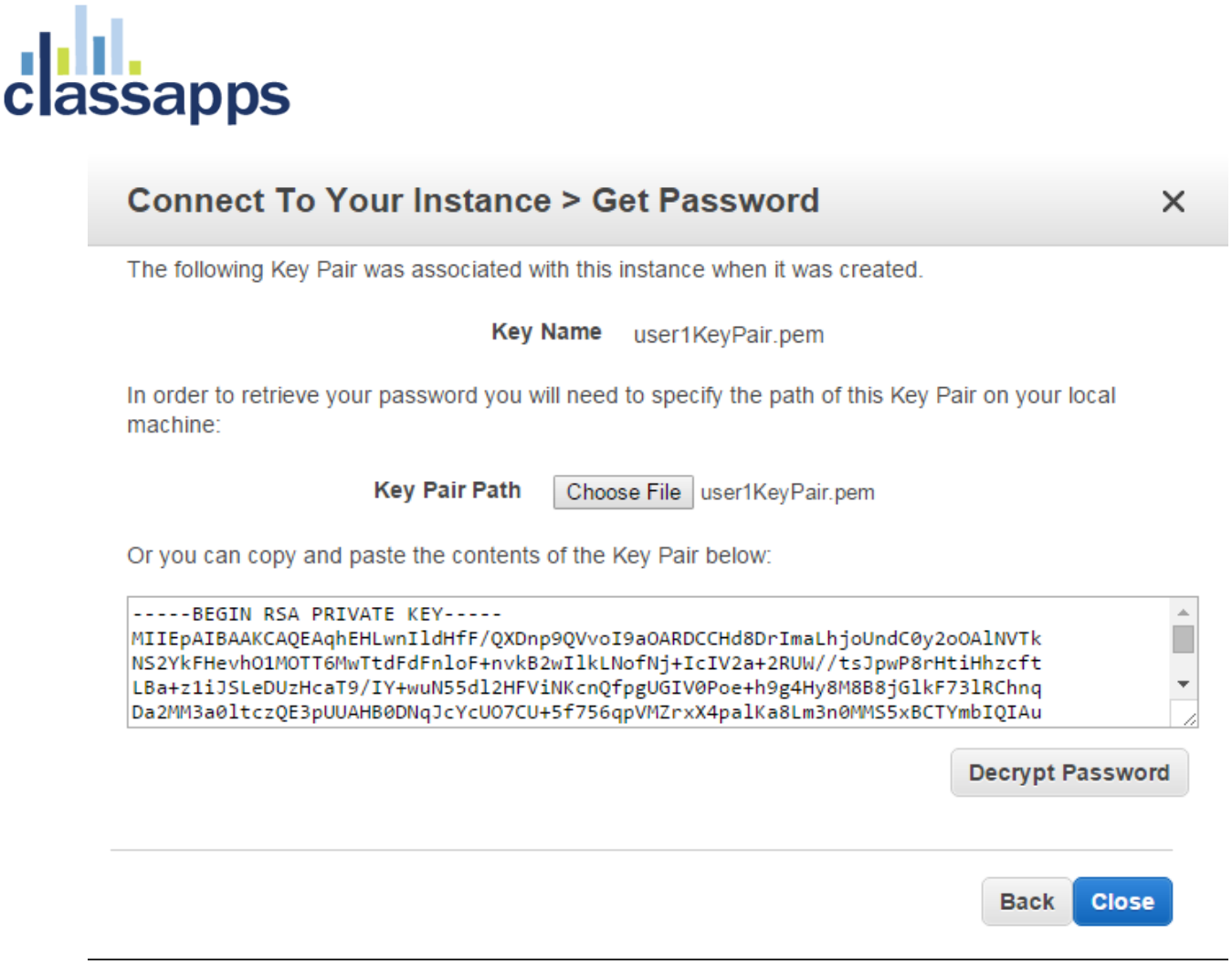
33. You should see your instance in the list of instances.



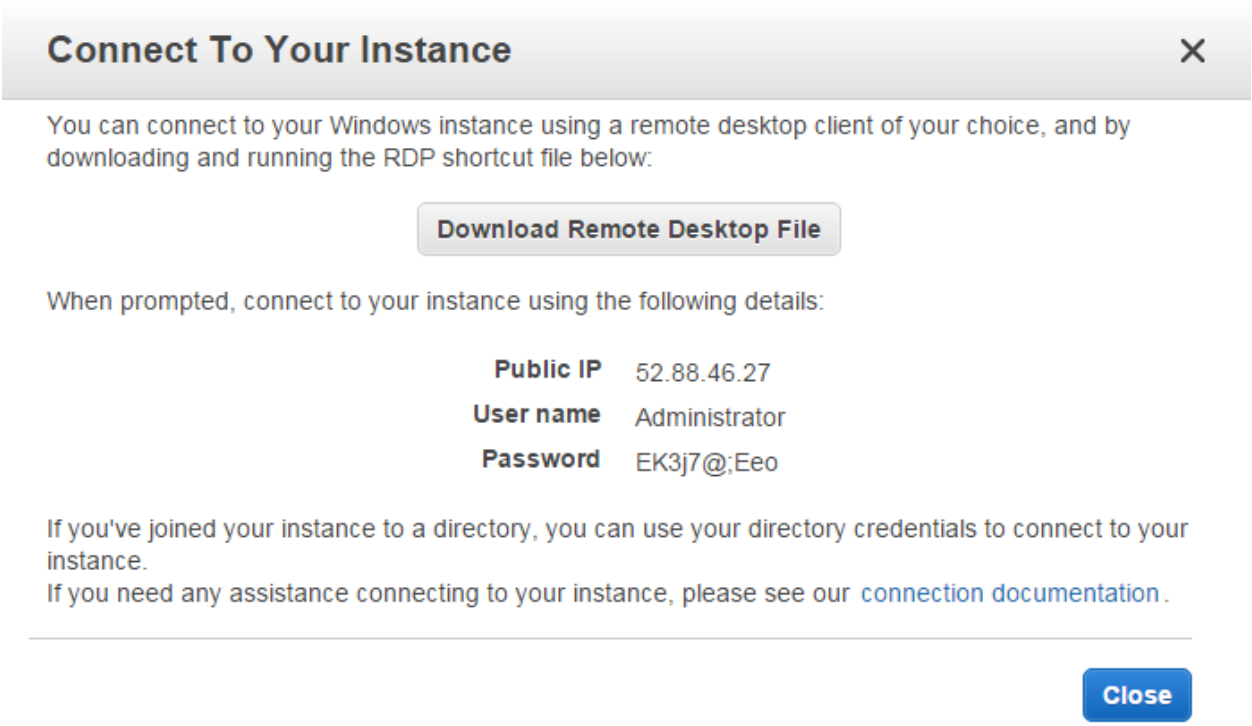
34. In order to connect to your server via RDP, choose your instance and click **Connect** button. The "Connect to Your Instance" window should pop up. You can download Remote Desktop file for connection or you can use Public IP and Username. To get the password click **Get Password** button.



35. Choose the Key Pair file you downloaded earlier. To Decrypt the password click **Decrypt Password** button.

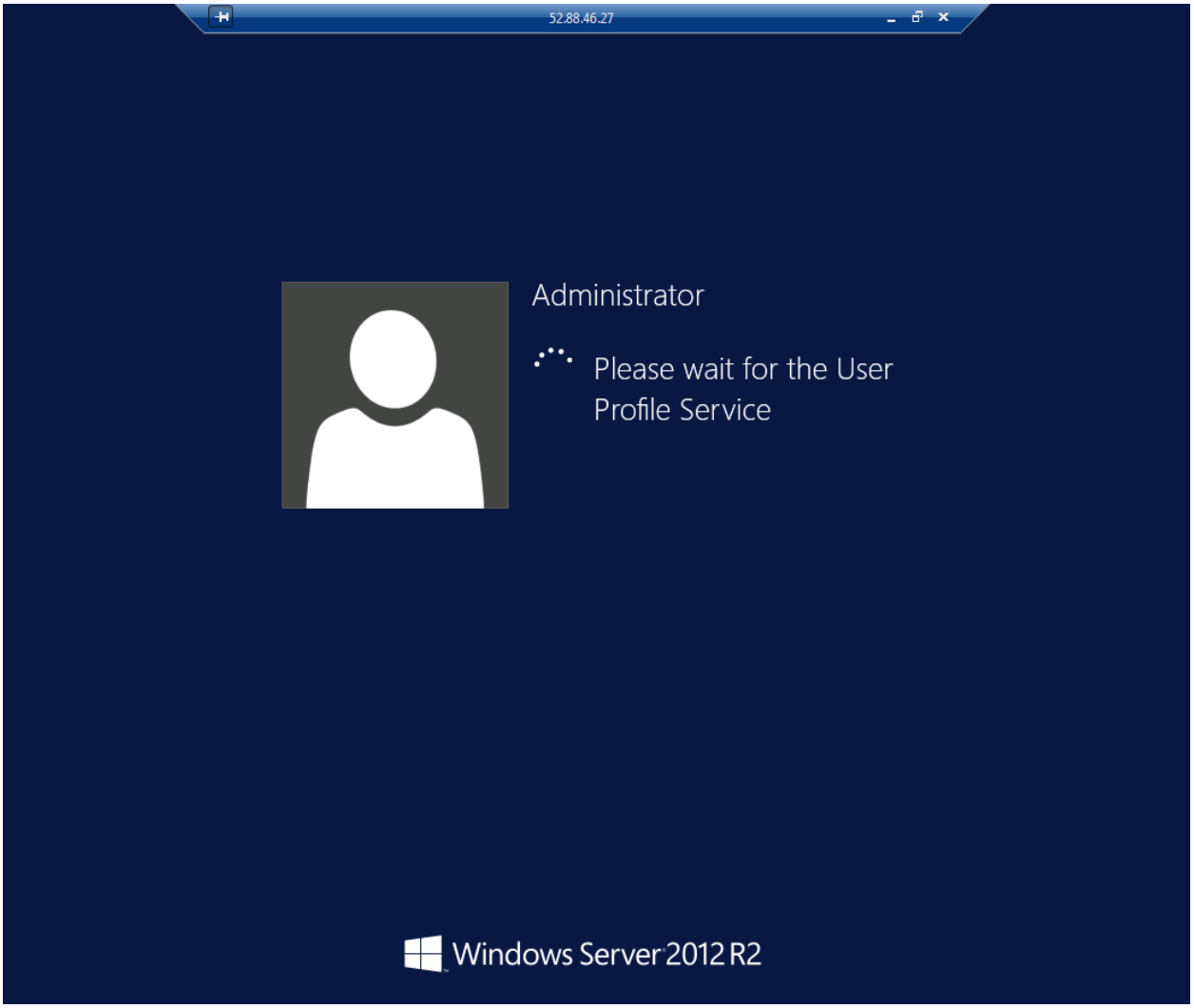


36. Now you should see all the information you need to connect to your.



server.39.

37. Login to you server with the information. First time it takes several minutes to setup your server.



Finally you should see your server is ready for the installation of SelectSurvey.NET.

Install SelectSurvey.NET on to the virtual server

Now follow the SelectSurvey.NET Installation guide for a normal server software install.