Module 1: Deploying the first Website to Amazon S3

Example

Integrating Cyberduck with Amazon S3

One of the problem while working with Amazon S3 is, you can not edit your files uploaded to S3 bucket directly. You have to download the file, make the changes and upload it again. Which takes a lot of time and not so productive way while working with Amazon S3.

Cyberduck is a free software available for Windows and Mac, which allows you to edit your files in S3 bucket from your local system.
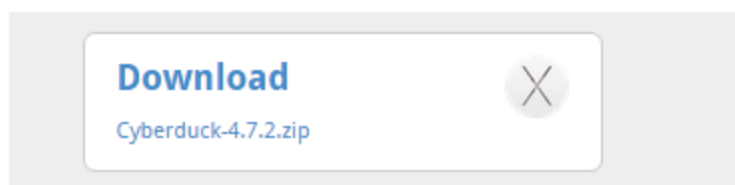

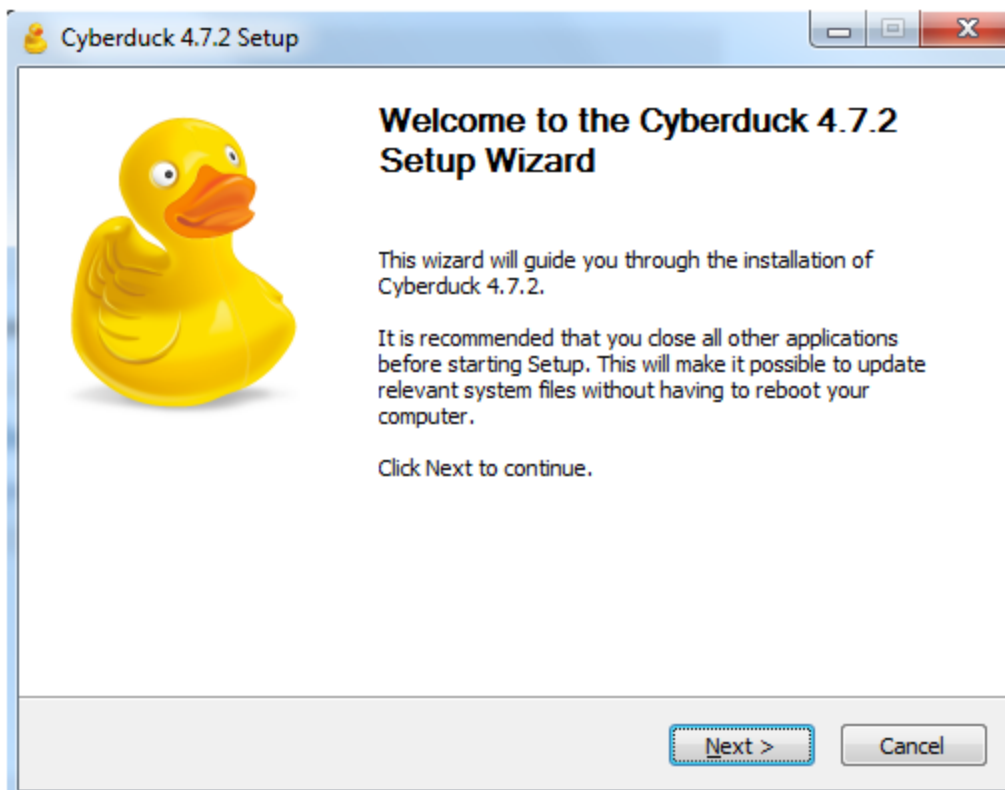You can download the cyberduck from https://cyberduck.io

Click on cyberduck windows installer if you are on a windows machine
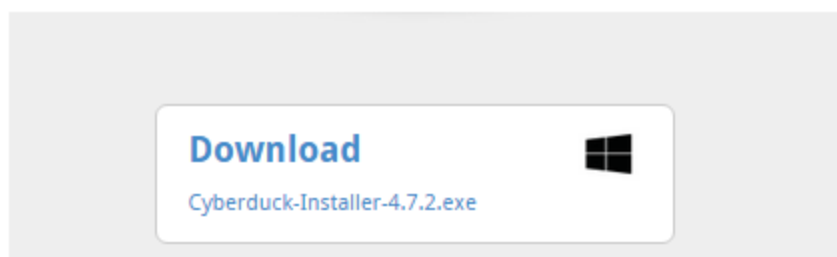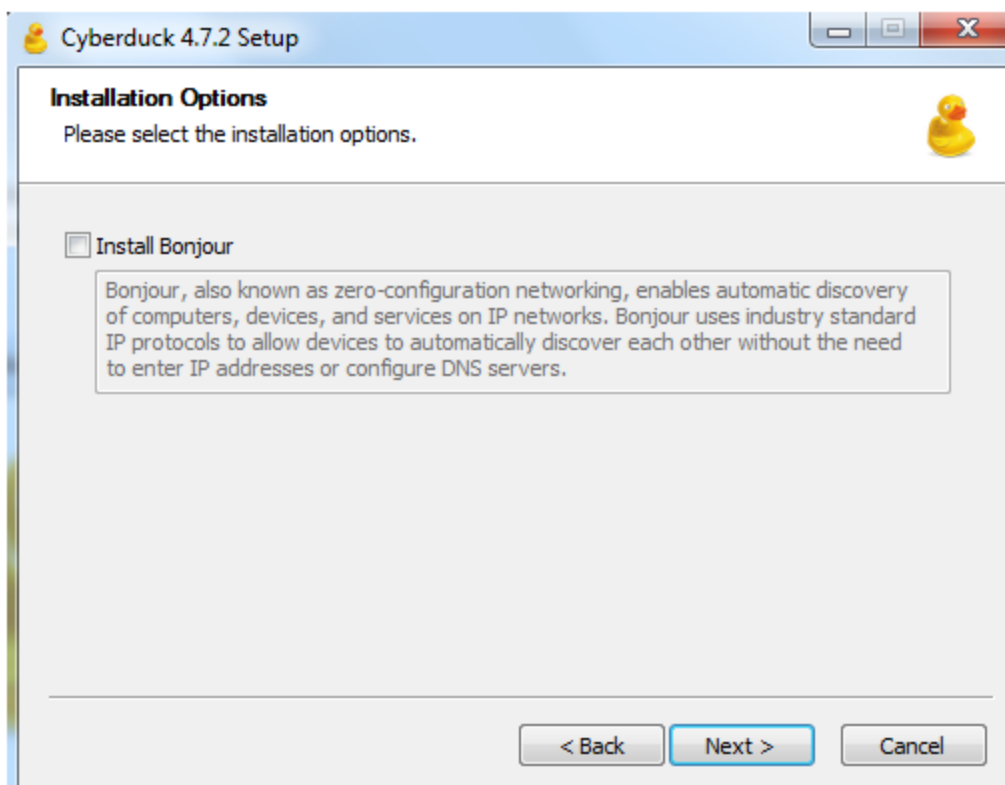

If you are on a Mac machine click on the download link below windows installer

Once you downloaded the windows installer execute the installer by just double clicking the installer. Click on Next to continue with the installation
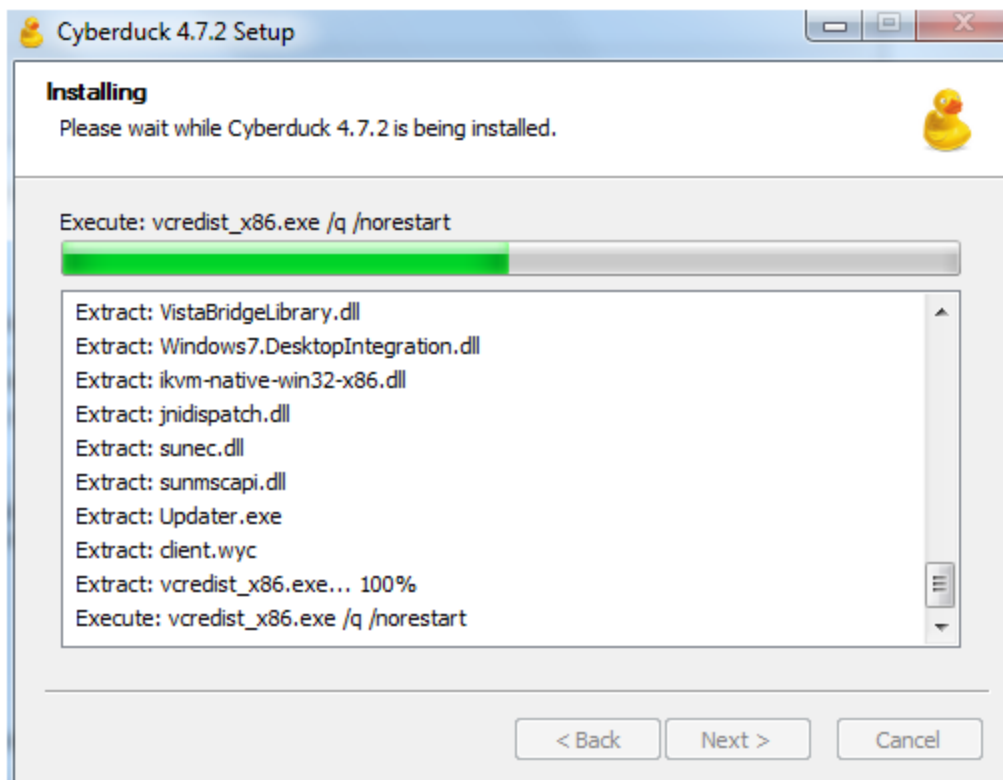

Just click on Next

Choose you installation location or leave it as default and click on Install button to start the installation process
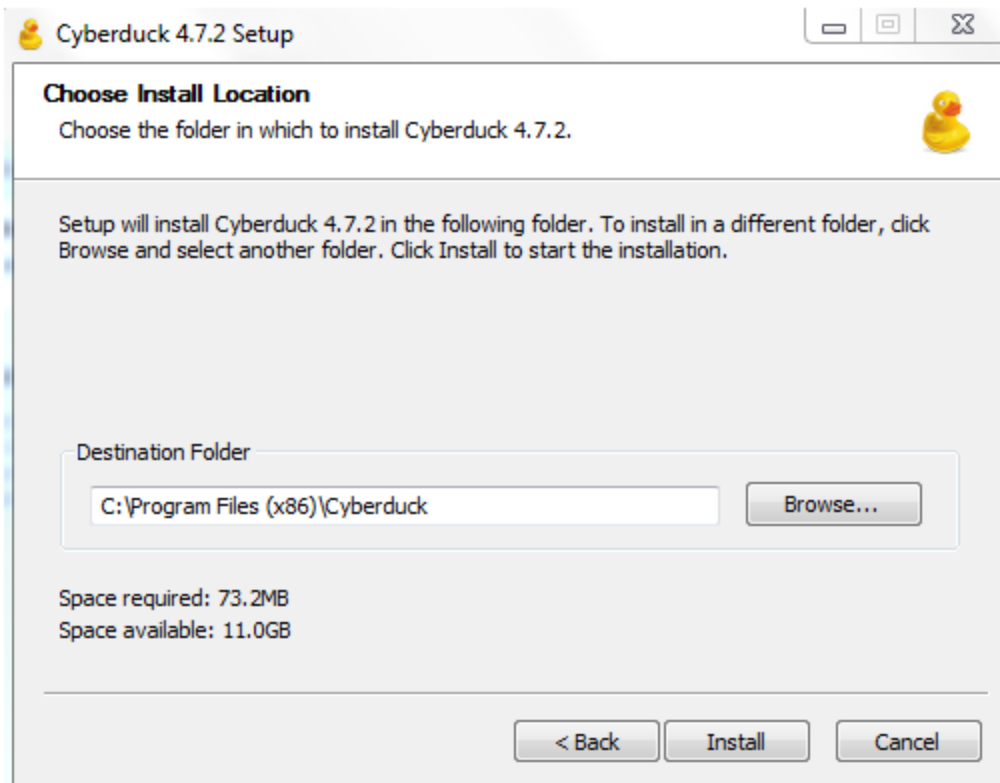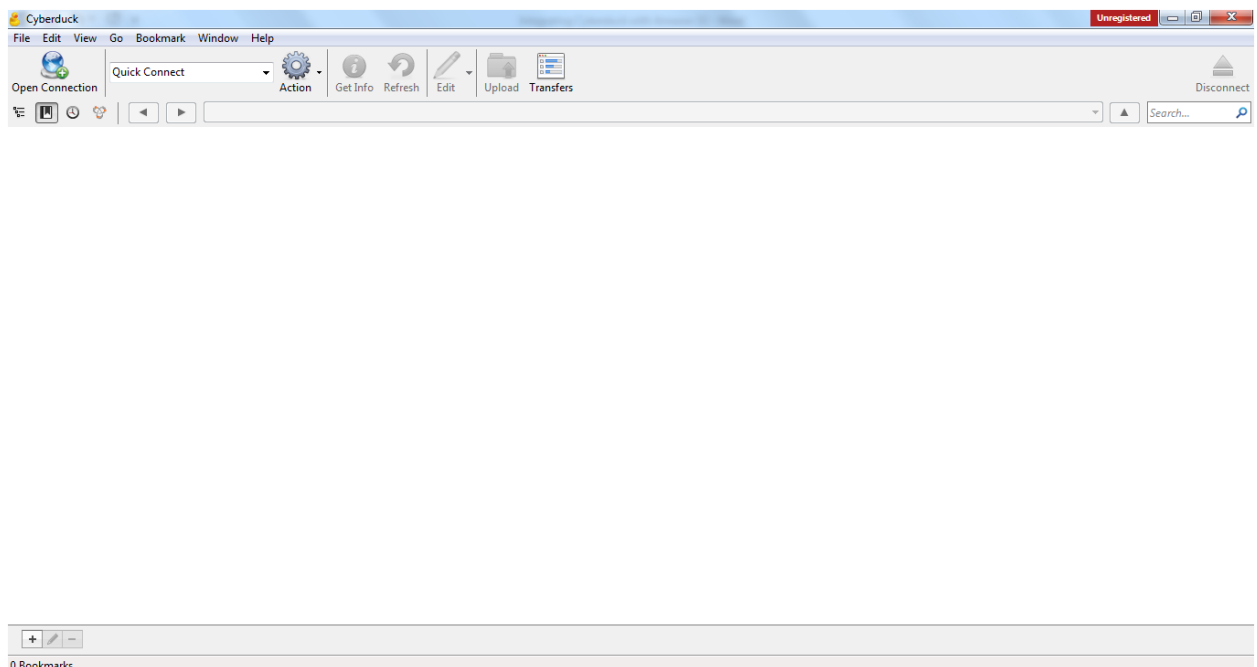

Now cyberduck will be installed on your machine

Once done click o Finish button to close the setup wizard


Now run the cyberduck application, you will be presented with below screen

To authenticate cyberduck to Amazon S3 first you have to create a User, a Group and then add that user to the group.
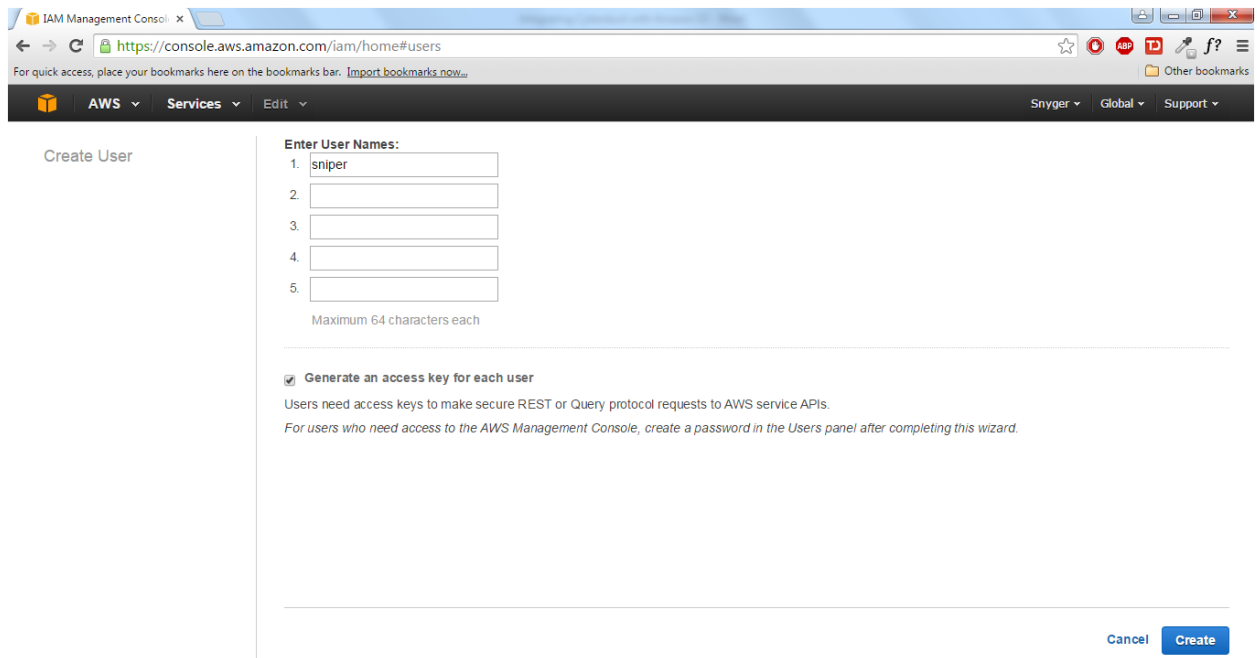
Creating user and group

We can create a user from Amazon Identity and Access Management (IAM) console. Once you are login to your aws account you can access the Amazon IAM console from
https://console.aws.amazon.com/iam/home#home
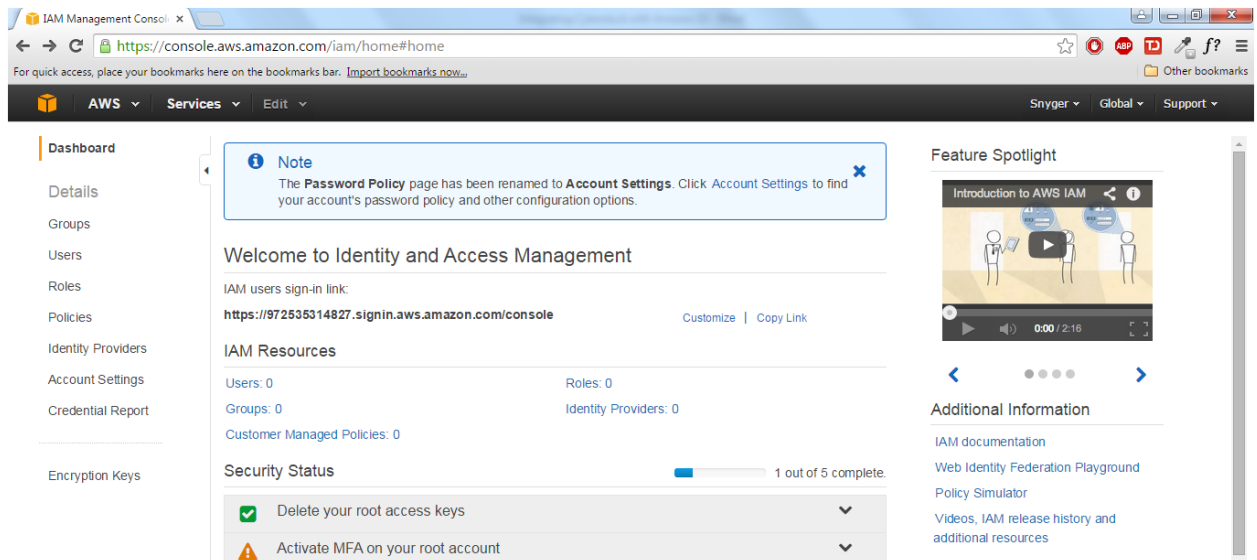
To create a user click on Users option (on upper left column)
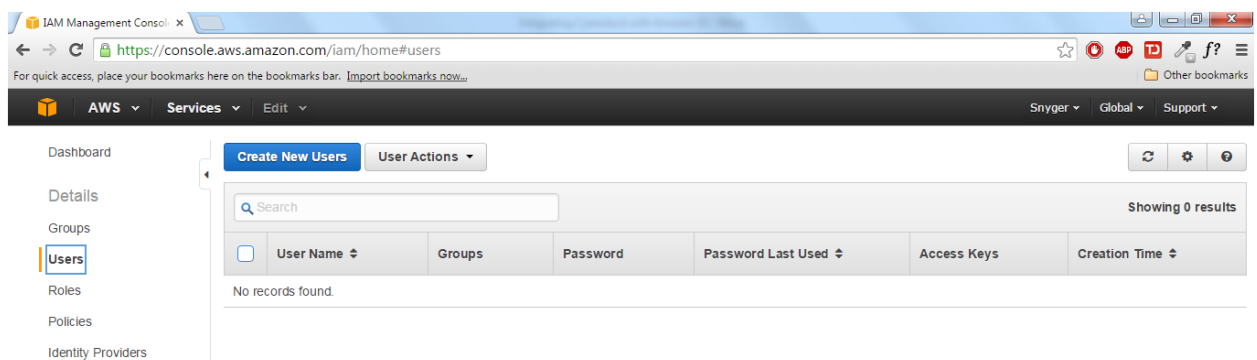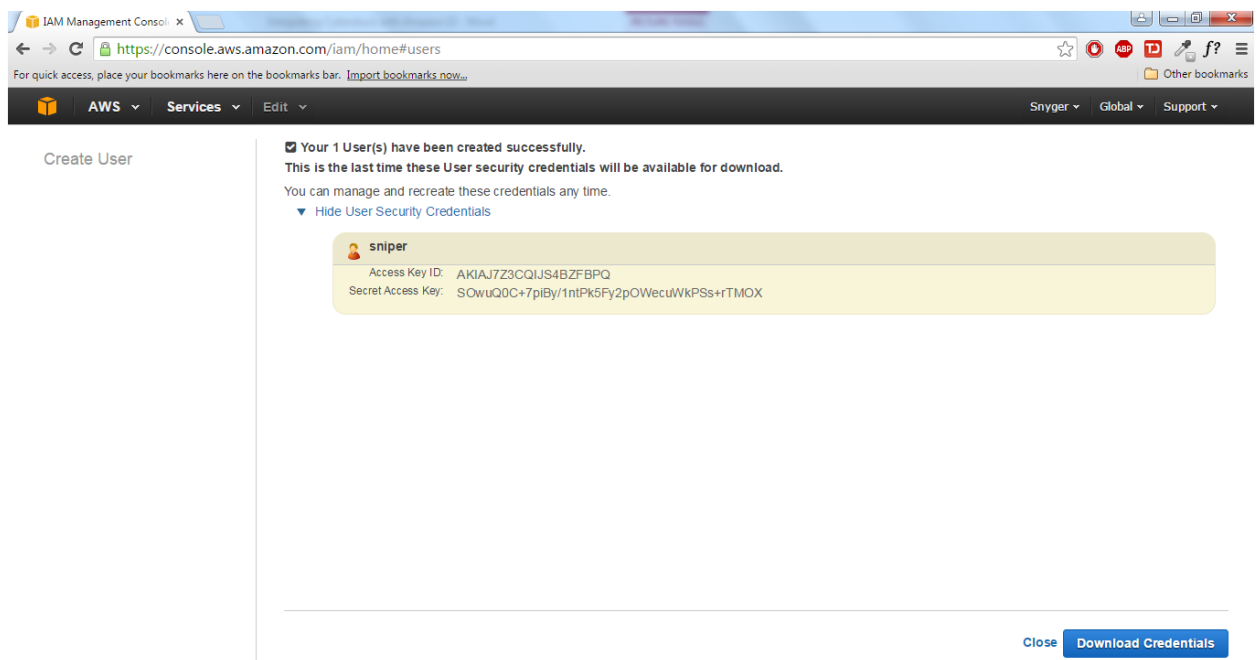
Once you are on Users page click on Create New Users button. You can add 5 users , I have just added one with name sniper (you can name anything). Also make sure Generate an access key for each user checkbox is enabled. Then click on Create button

After clicking on create button user will be created and Access Key ID and Secret Access Key will be generated as shown below

You should also download the credentials to use it later. To download the credentials click on Download Credentials button
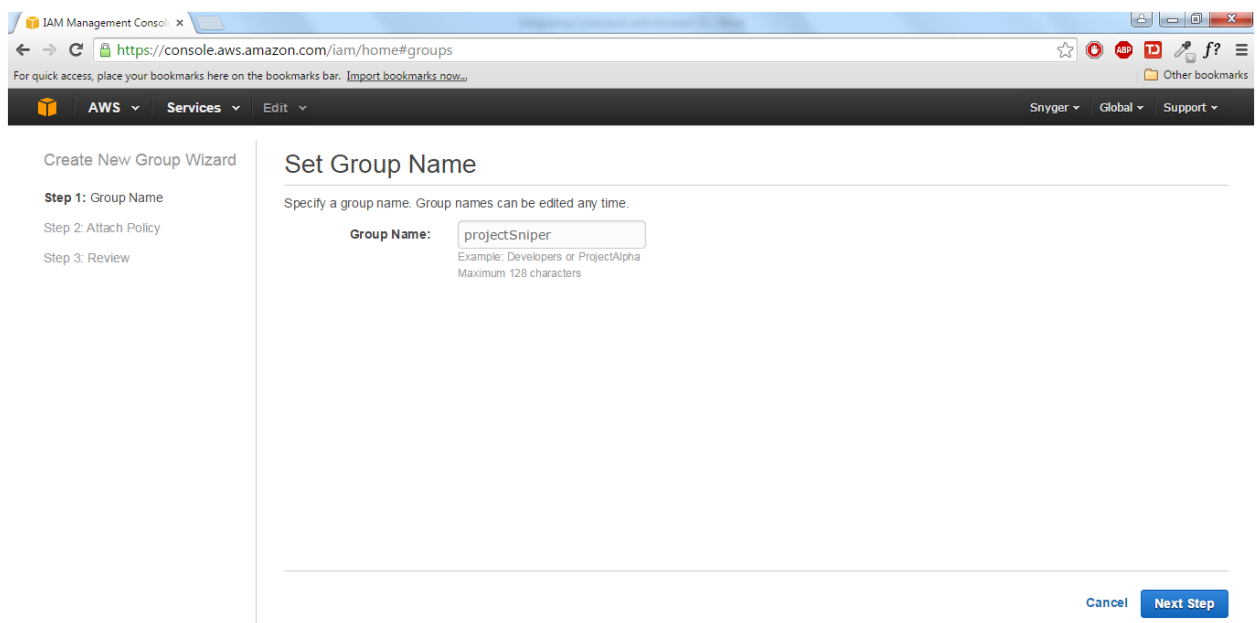
Next we are going to create a group and then add the newly created user sniper to that group . To create a new group , go to the groups page and click on Create New Group button as shown below
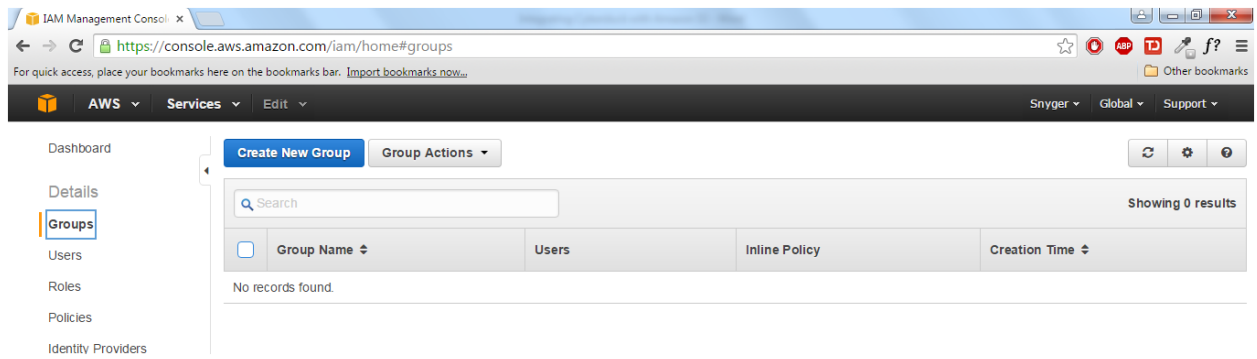
Next you have to provide a name to your group, I have named it projectSniper you can name your group whatever you want . After naming the group click on Next Step button at the bottom


Next we will attach a policy to our newly created group as shown below. Note that we have attached AmazonS3FullAccess policy to out projectSniper group by selecting the AmazonS3FullAccess checkbox. Click on Next Step
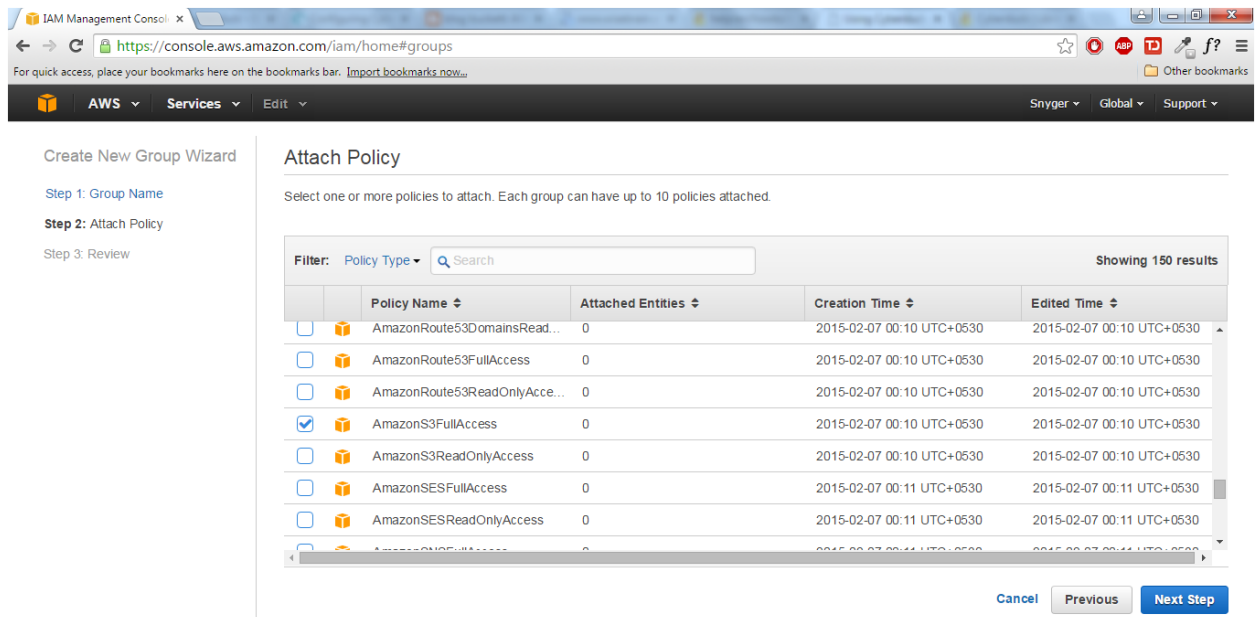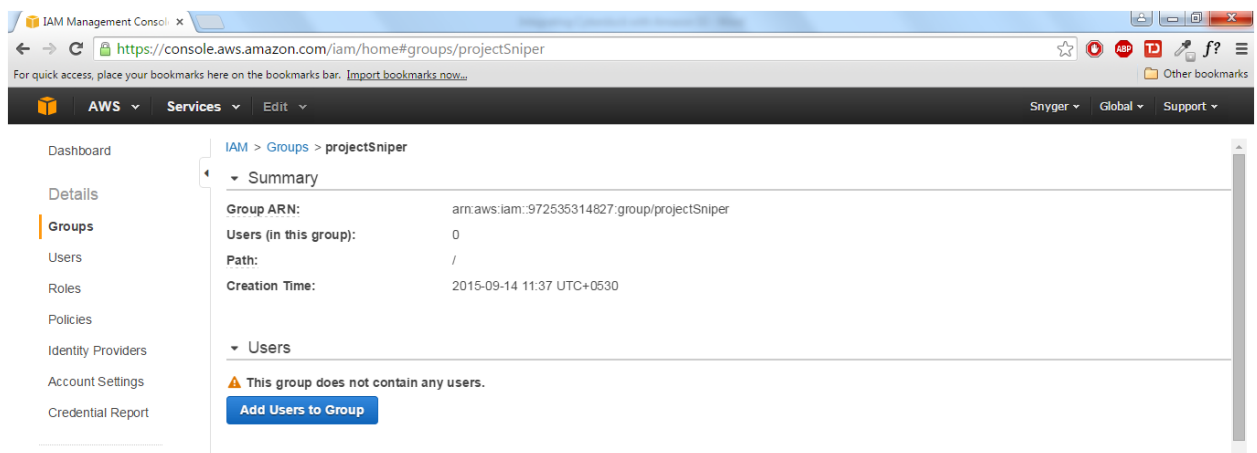
This step is just a review step , just click on Create Group button to create the group
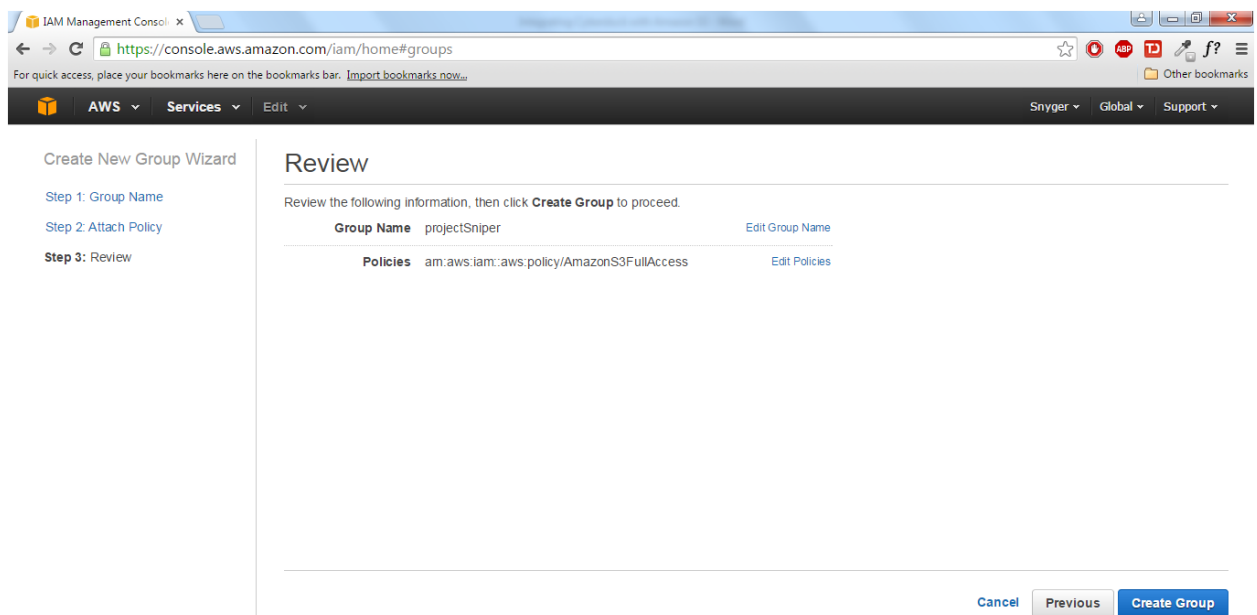
The last step is to add the user sniper to newly create group projectSniper. Under groups page you will see the newly created projectSniper group, to add the user sniper to group projectSniper double click on projectSniper group
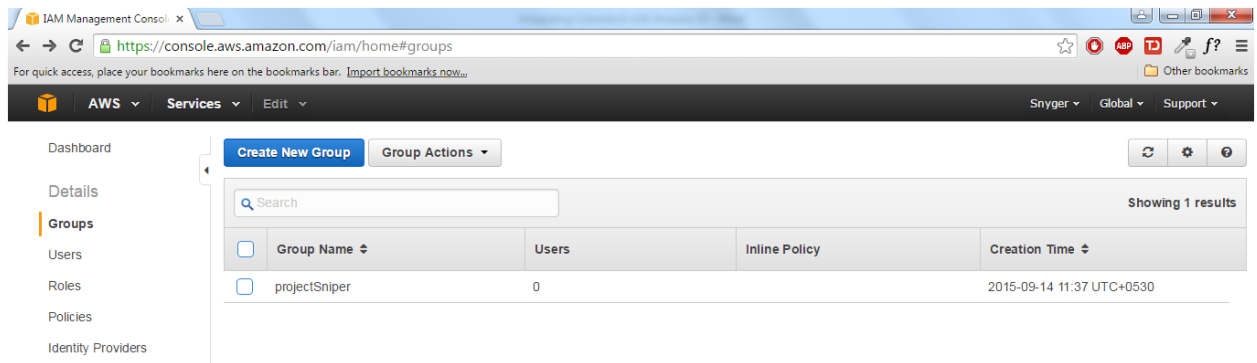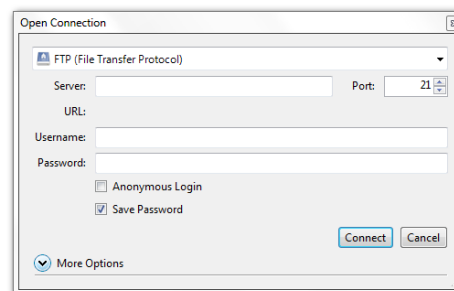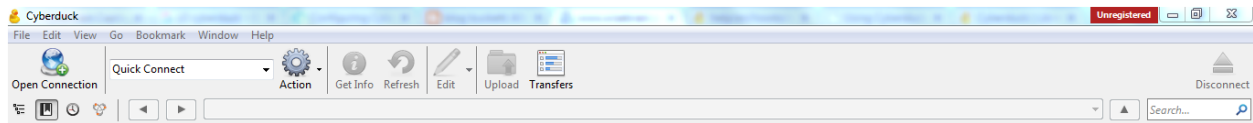
Next click on Add Users to Group button

Select the user sniper and click on Add Users button to add the user sniper to group projectSniper
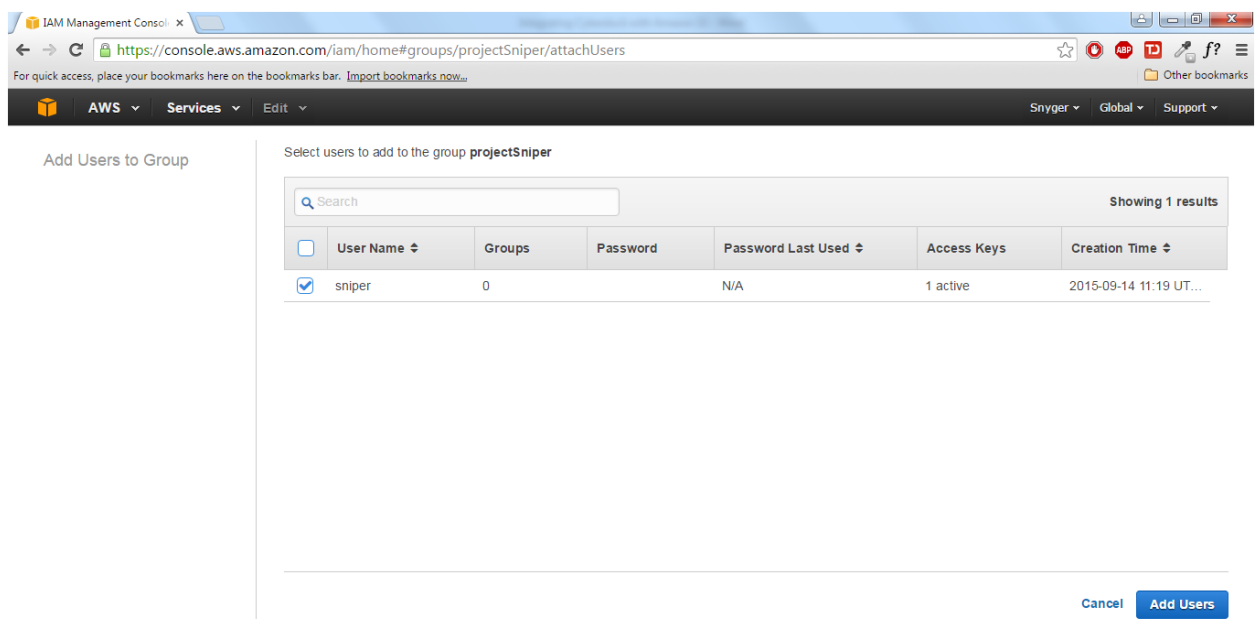
Now we ready to authenticate cyberduck with Amazon S3. Run the cyberduck application and click on Open Connection button (at the upper left). This will bring a Open Connection window as shown below



Select the S3 (Amazon Simple Storage Service) option from the dropdown as shown below
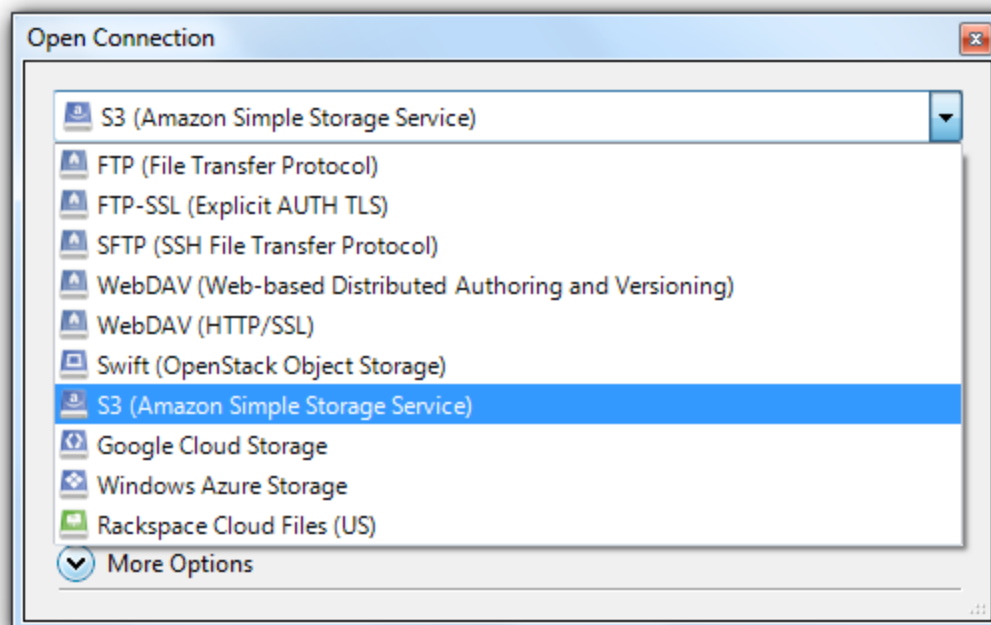
Copy and paste the Access Key ID and Secret Access Key that was generated when we created the user sniper. Also make sure Save Password checkbox is checked otherwise you have to provide the Access Key ID and Secret Access Key each time you run cyberduck. After providing the Access Key ID and Secret Access Key just click on Connect button
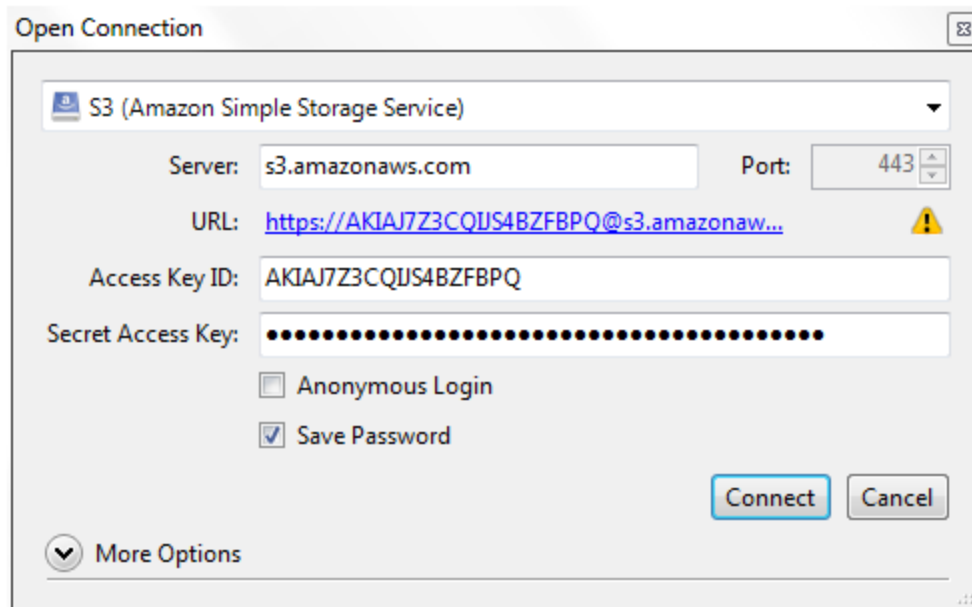
On clicking the Connect button Amazon will authenticate the keys and on successful login you will be able to see your S3 bucket in cyberduck console as shown below
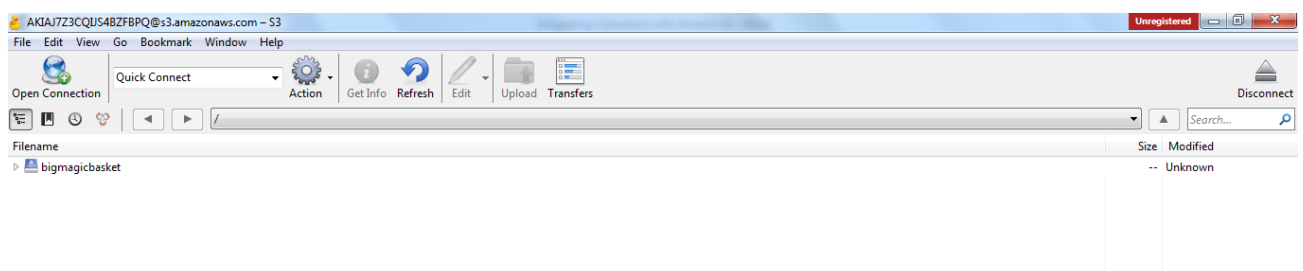
Lets see how to edit a file placed in an S3 bucket, click on the file that you want to edit and click on Edit icon on top menu as shown below. I have chose Adobe Brackets IDE
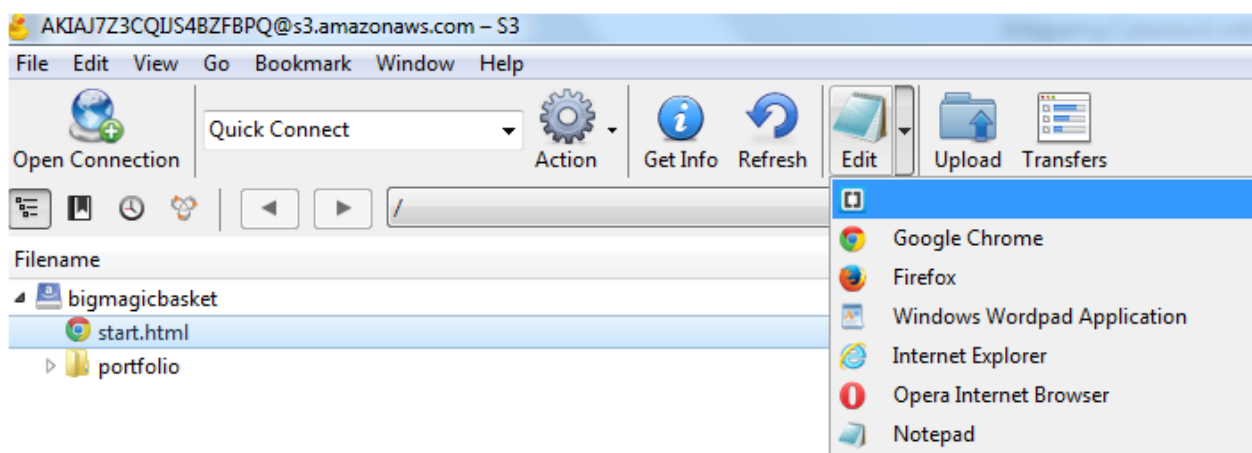
This will open the start.html file in Adobe Brackets IDE. I can make the changes and press ctrl+s to save the changes. These changes will be saved in the start.html in the S3 bucket