

Module 1: Deploying the first Website to Amazon S3

Example

Integrating Cyberduck with Amazon S3

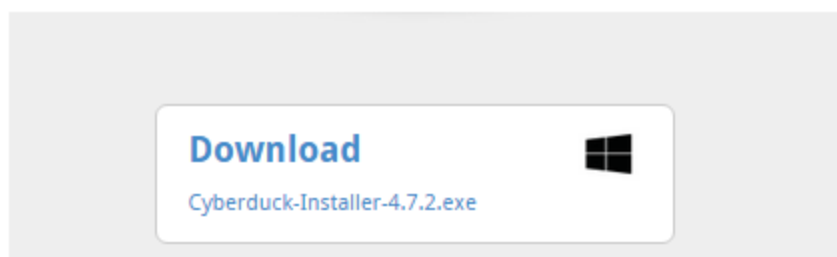
One of the problem while working with Amazon S3 is, you can not edit your files uploaded to S3 bucket directly. You have to download the file, make the changes and upload it again. Which takes a lot of time and not so productive way while working with Amazon S3.

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

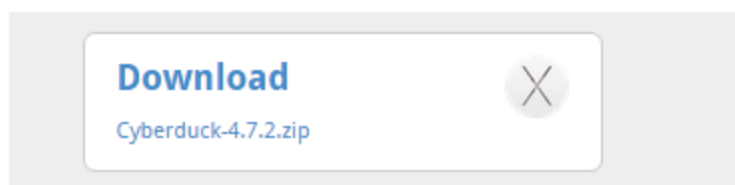


You can download the cyberduck from <https://cyberduck.io>

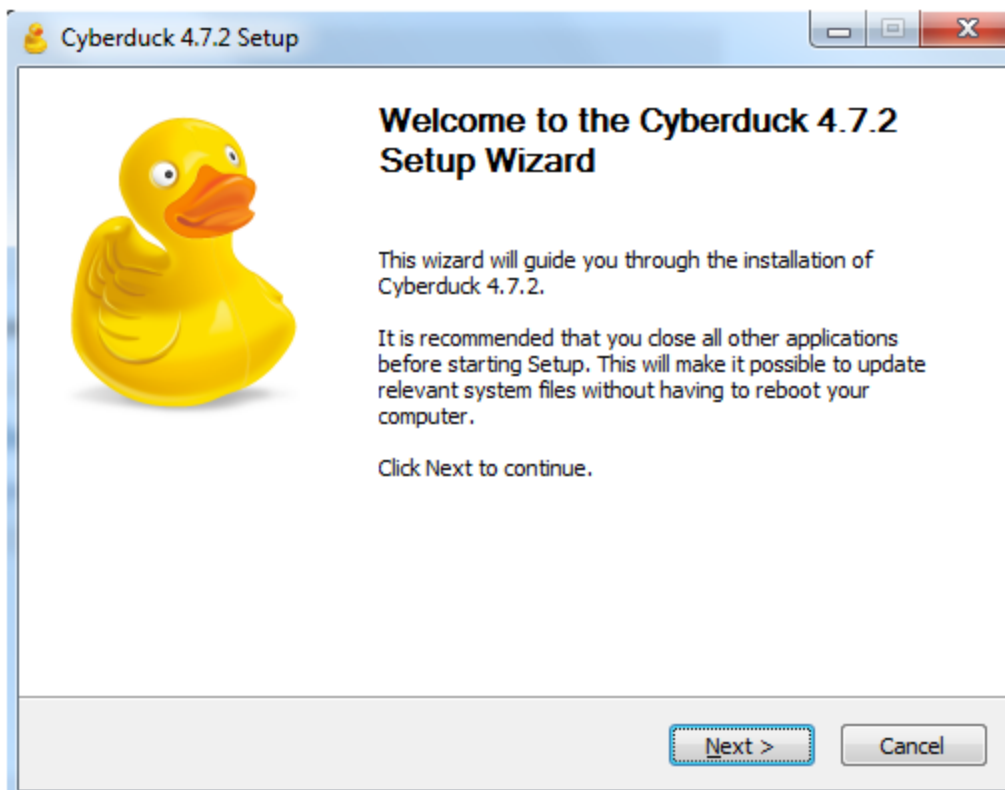
Click on cyberduck windows installer if you are on a windows machine



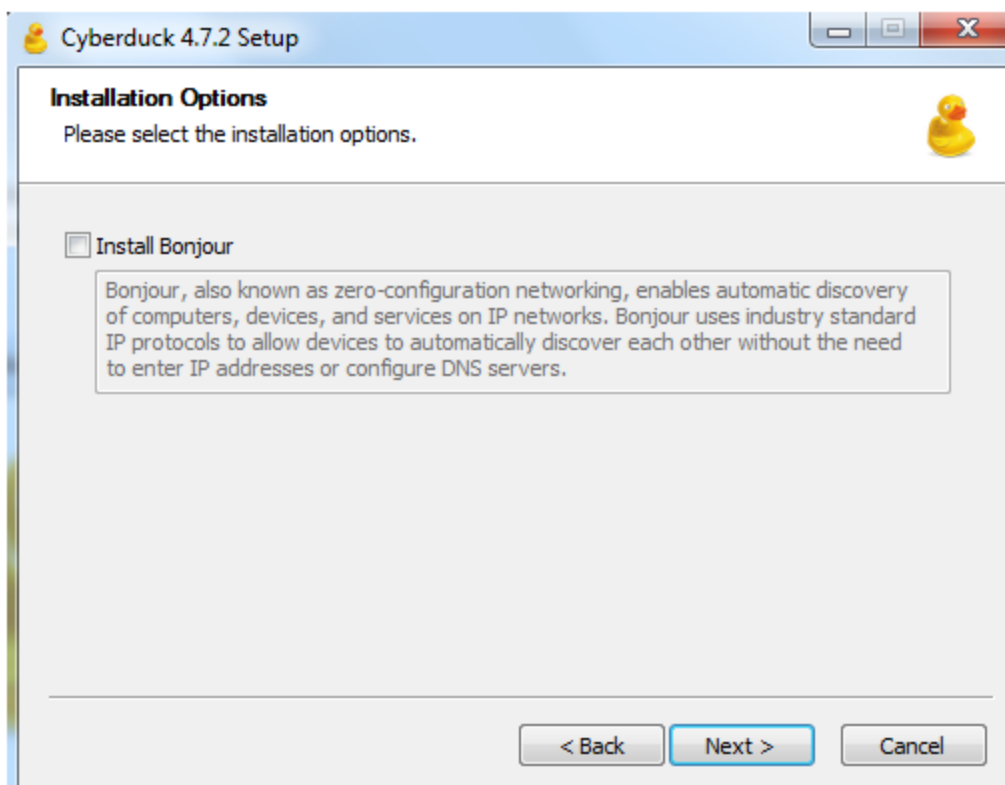
If you are on a Mac machine click on the download link below windows installer



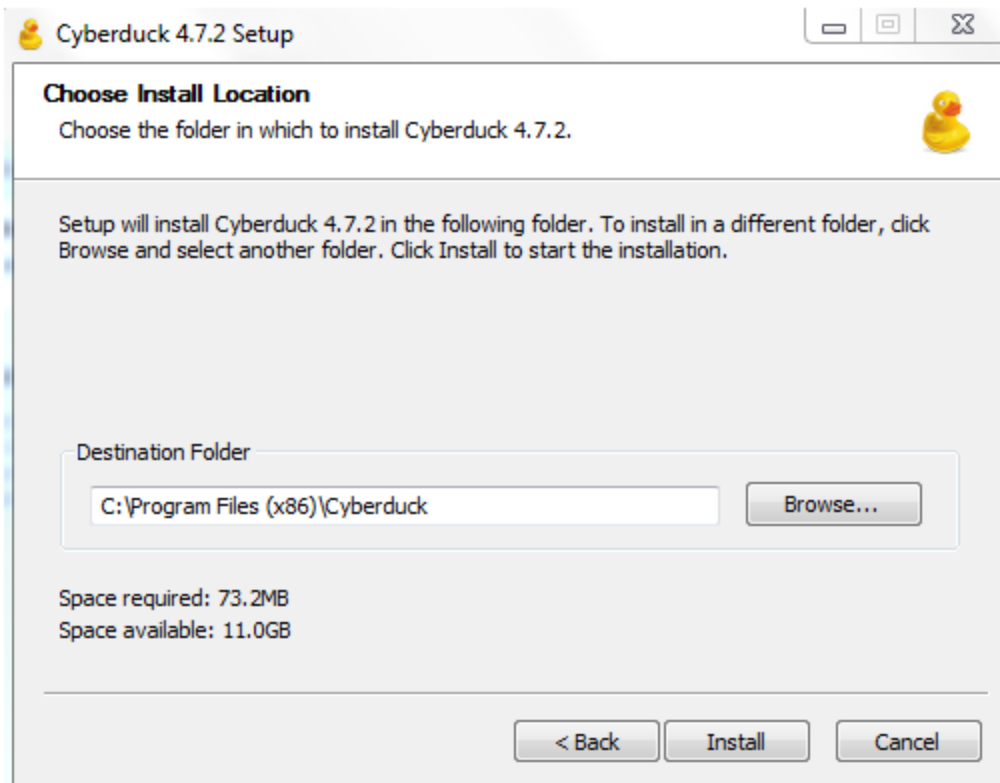
Once you downloaded the windows installer execute the installer by just double clicking the installer. Click on Next to continue with the installation



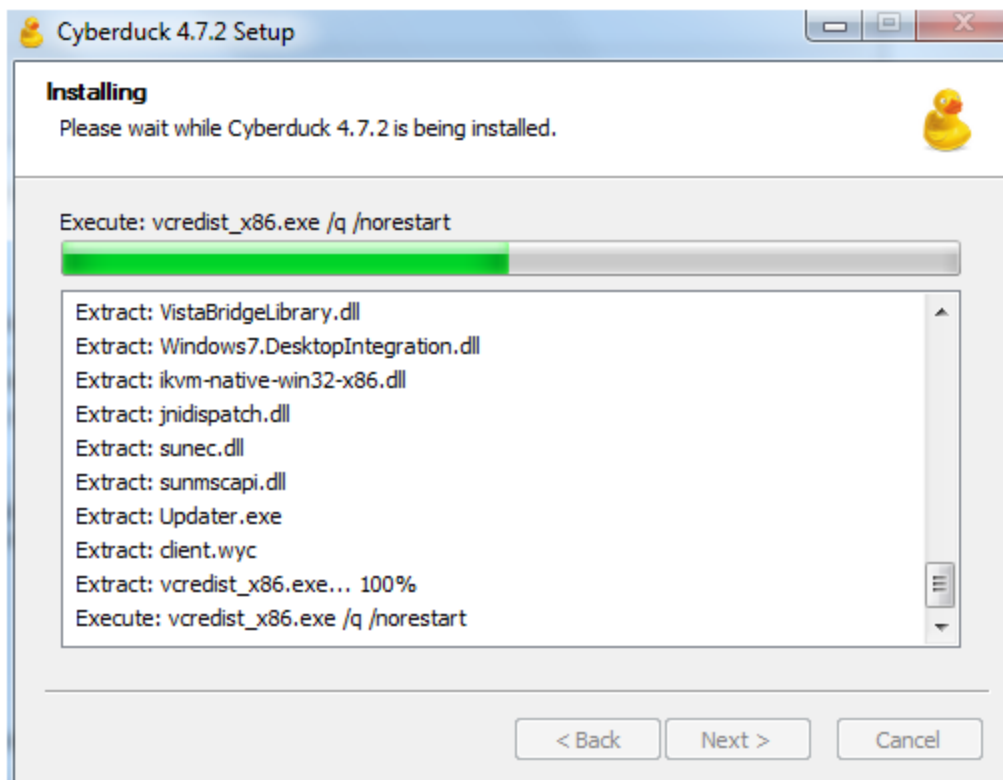
Just click on Next



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



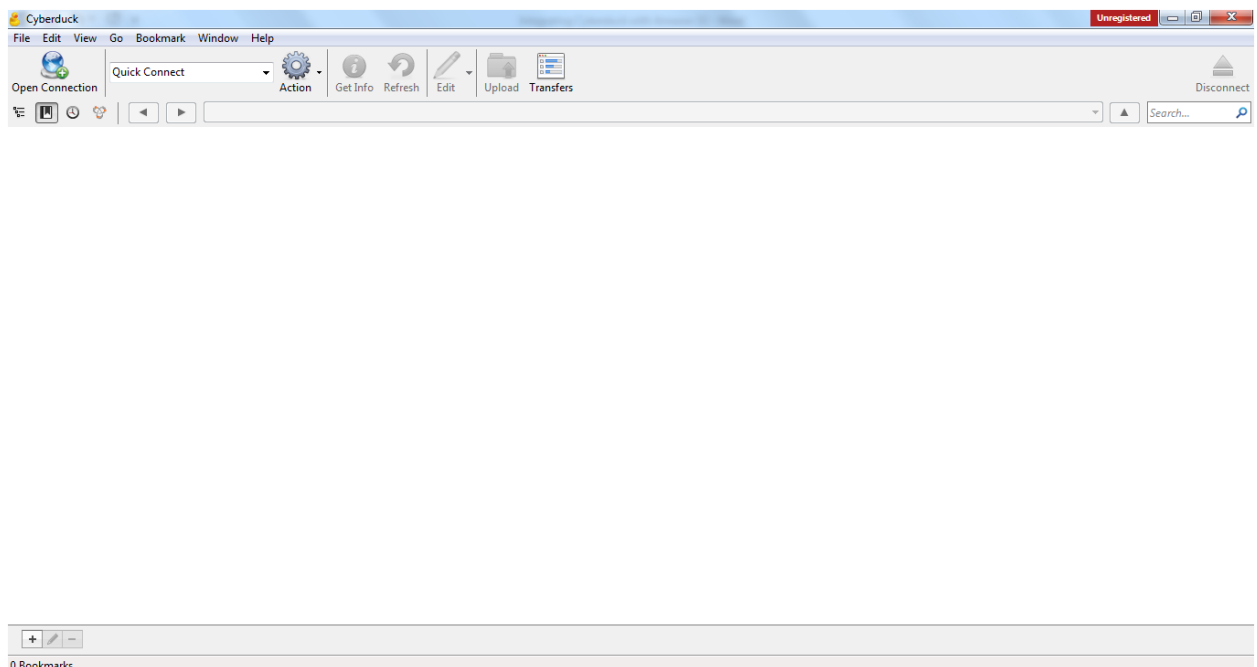
Now cyberduck will be installed on your machine



Once done click o Finish button to close the setup wizard



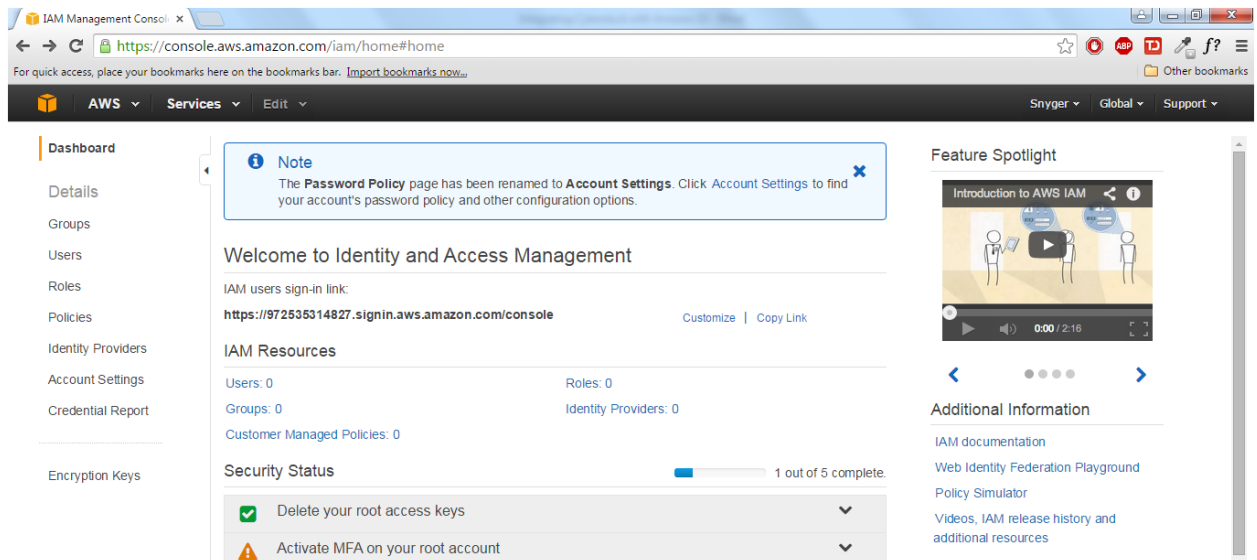
Now run the cyberduck application, you will be presented with below screen



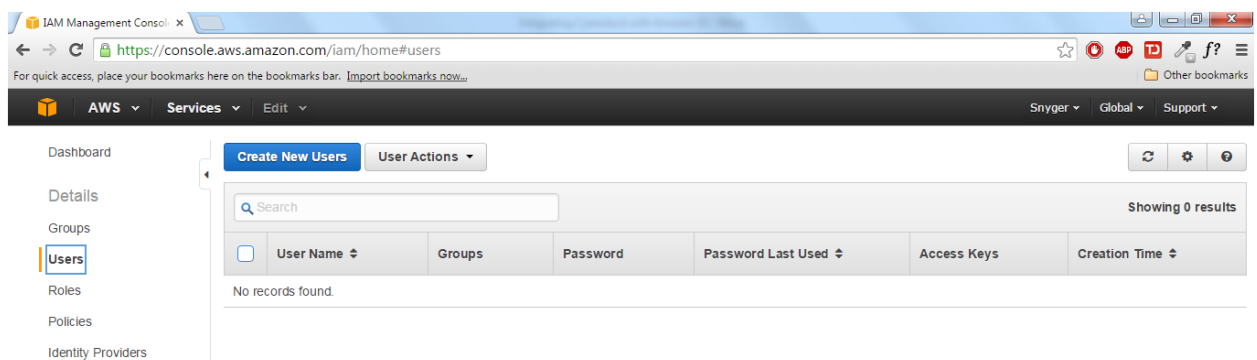
To authenticate cyberduck to Amazon S3 first you have to create a User, a Group and then add that user to the group.

Creating user and group

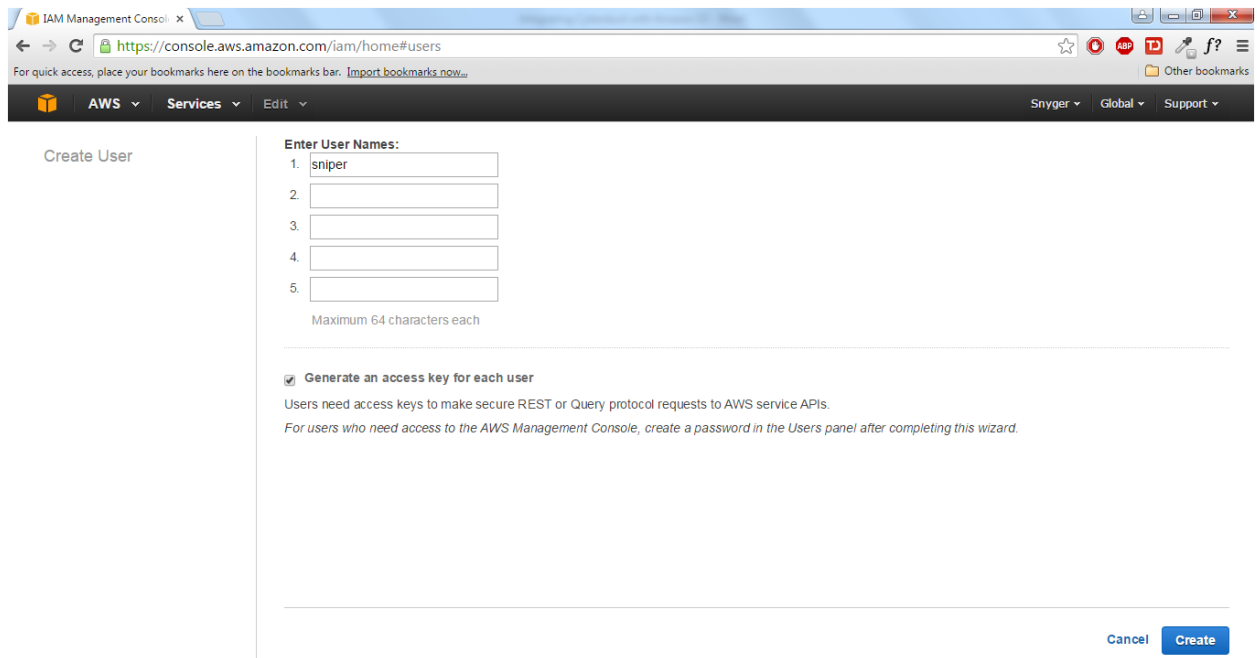
We can create a user from Amazon Identity and Access Management (IAM) console. Once you are login to your aws account you can access the Amazon IAM console from <https://console.aws.amazon.com/iam/home#home>



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



IAM Management Console

https://console.aws.amazon.com/iam/home#users

For quick access, place your bookmarks here on the bookmarks bar. [Import bookmarks now...](#)

AWS Services Edit

Snyger Global Support

Create User

Enter User Names:

1. sniper
- 2.
- 3.
- 4.
- 5.

Maximum 64 characters each

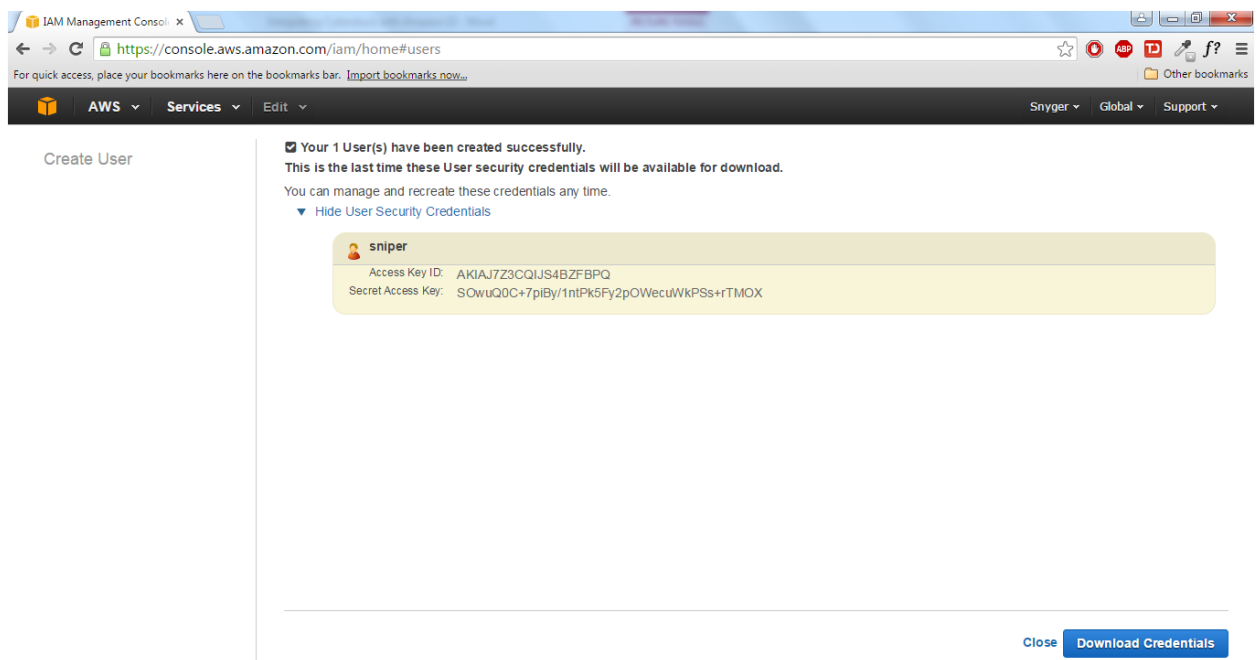
☒ Generate an access key for each user

Users need access keys to make secure REST or Query protocol requests to AWS service APIs.

For users who need access to the AWS Management Console, create a password in the Users panel after completing this wizard.

Cancel Create

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



IAM Management Console

https://console.aws.amazon.com/iam/home#users

For quick access, place your bookmarks here on the bookmarks bar. [Import bookmarks now...](#)

AWS Services Edit

Snyger Global Support

Create User

☒ Your 1 User(s) have been created successfully.

This is the last time these User security credentials will be available for download.

You can manage and recreate these credentials any time.

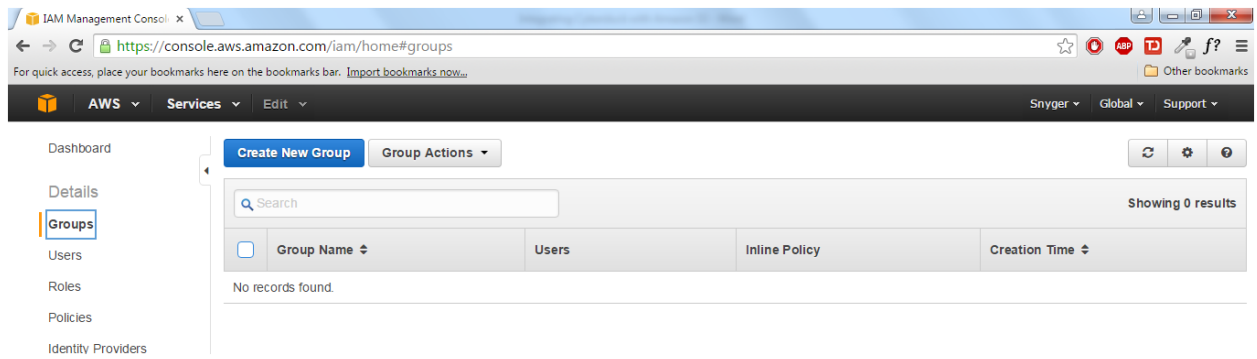
[Hide User Security Credentials](#)

sniper
Access Key ID: AKIAJ7Z3CQIJS4BZFBPO
Secret Access Key: SOWuQ0C+7piBy/1ntPk5Fy2pOWecuWkPS++TMOX

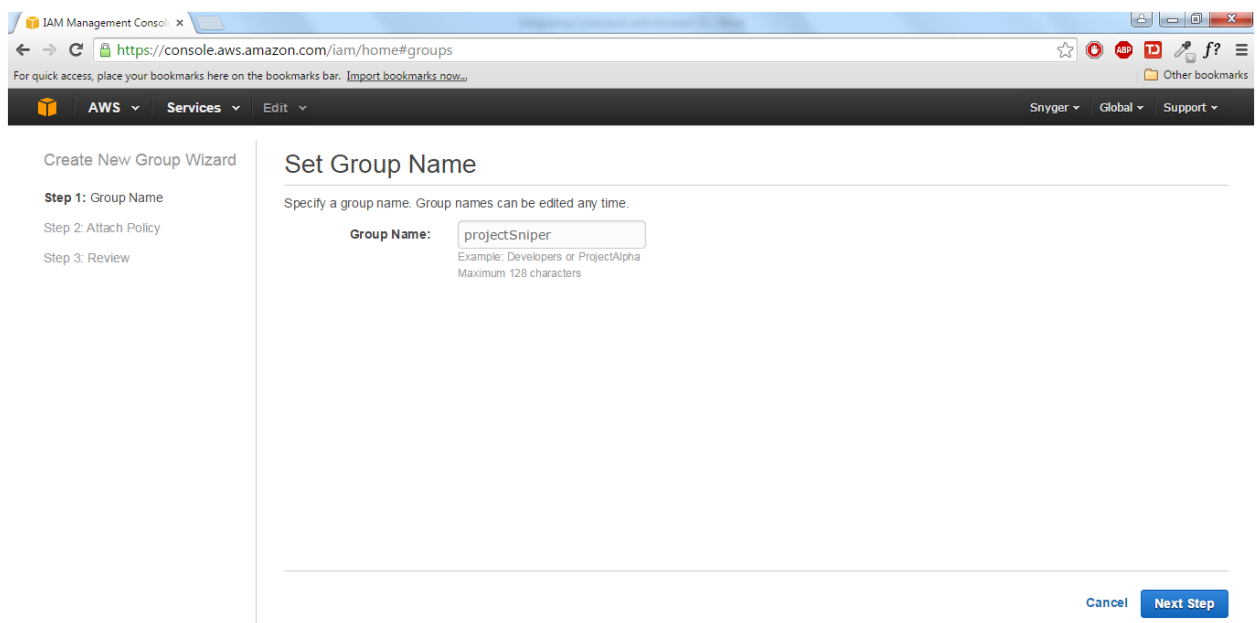
Close Download Credentials

You should also download the credentials to use it later. To download the credentials click on Download Credentials button

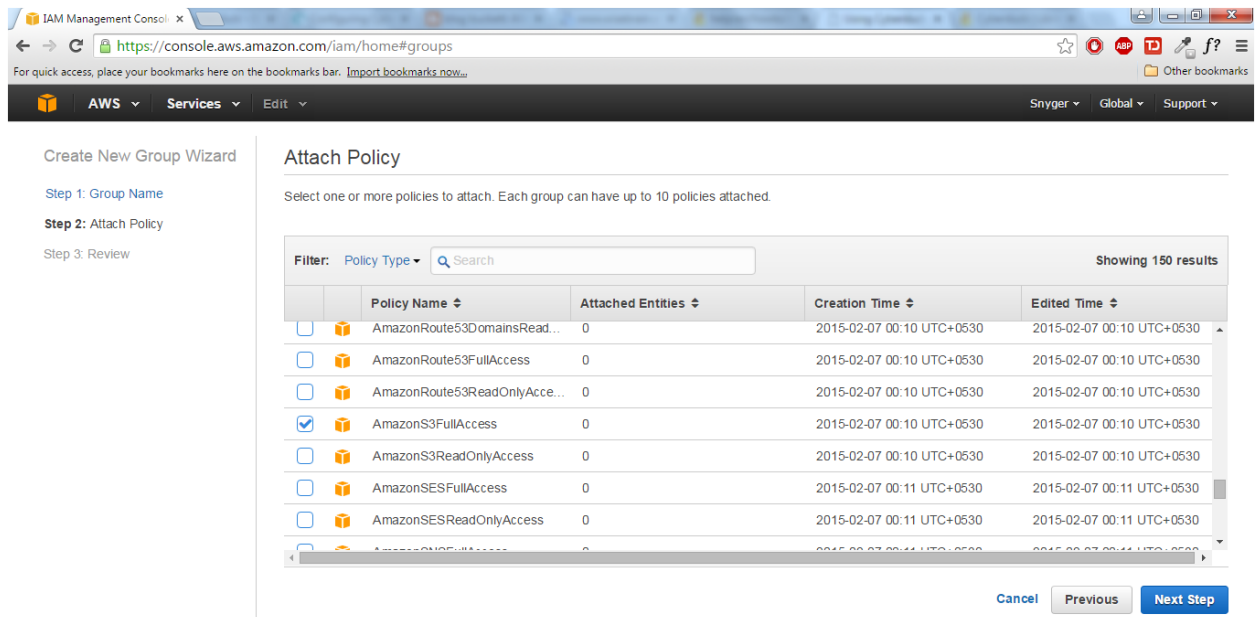
Next we are going to create a group and then add the newly created user **sniper** to that group . To create a new group , go to the groups page and click on Create New Group button as shown below



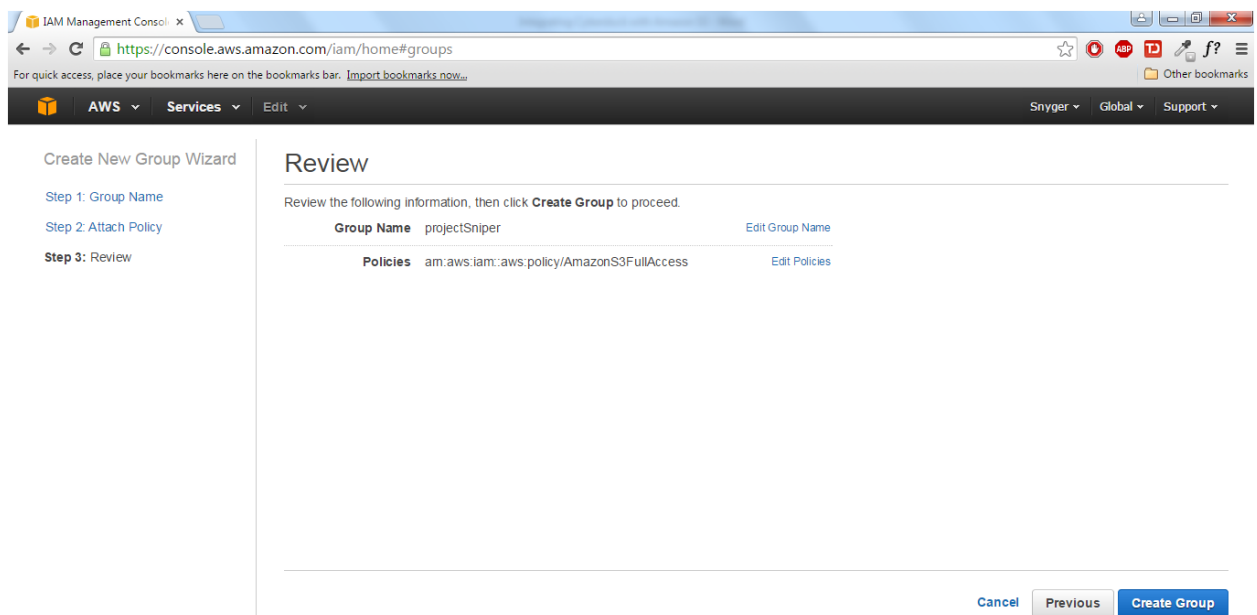
Next you have to provide a name to your group, I have named it **projectSniper** you can name your group whatever you want. After naming the group click on **Next Step** button at the bottom



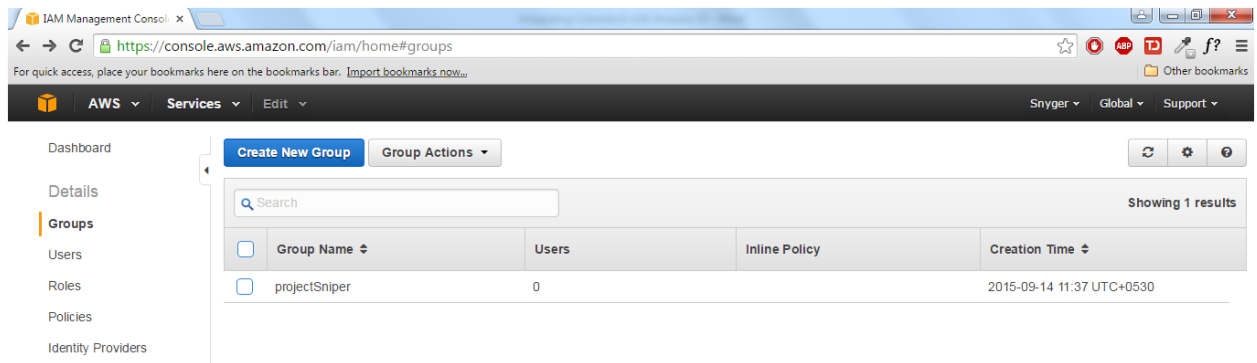
Next we will attach a policy to our newly created group as shown below. Note that we have attached **AmazonS3FullAccess** policy to our projectSniper group by selecting the **AmazonS3FullAccess** checkbox. Click on Next Step



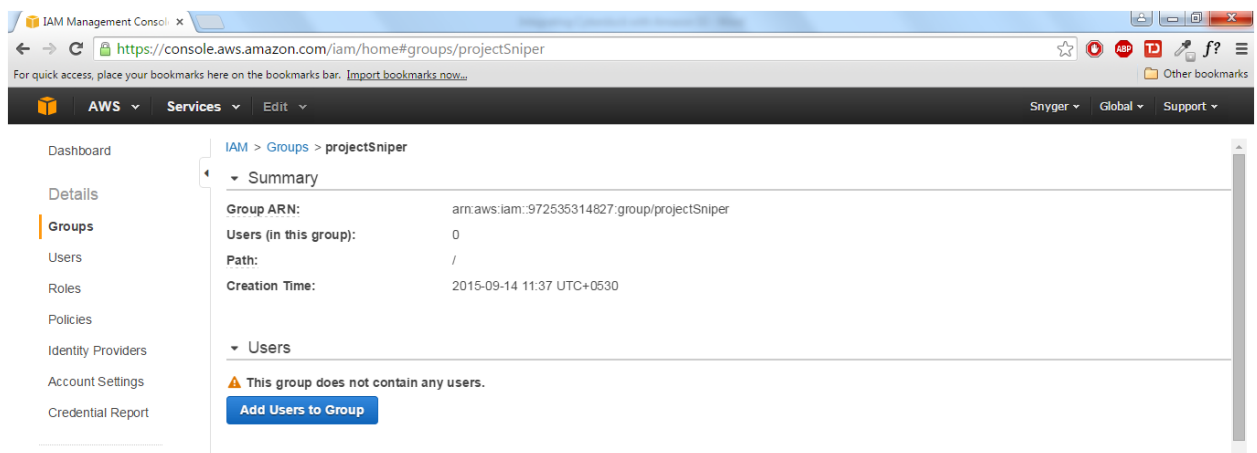
This step is just a review step , just click on **Create Group** button to create the group



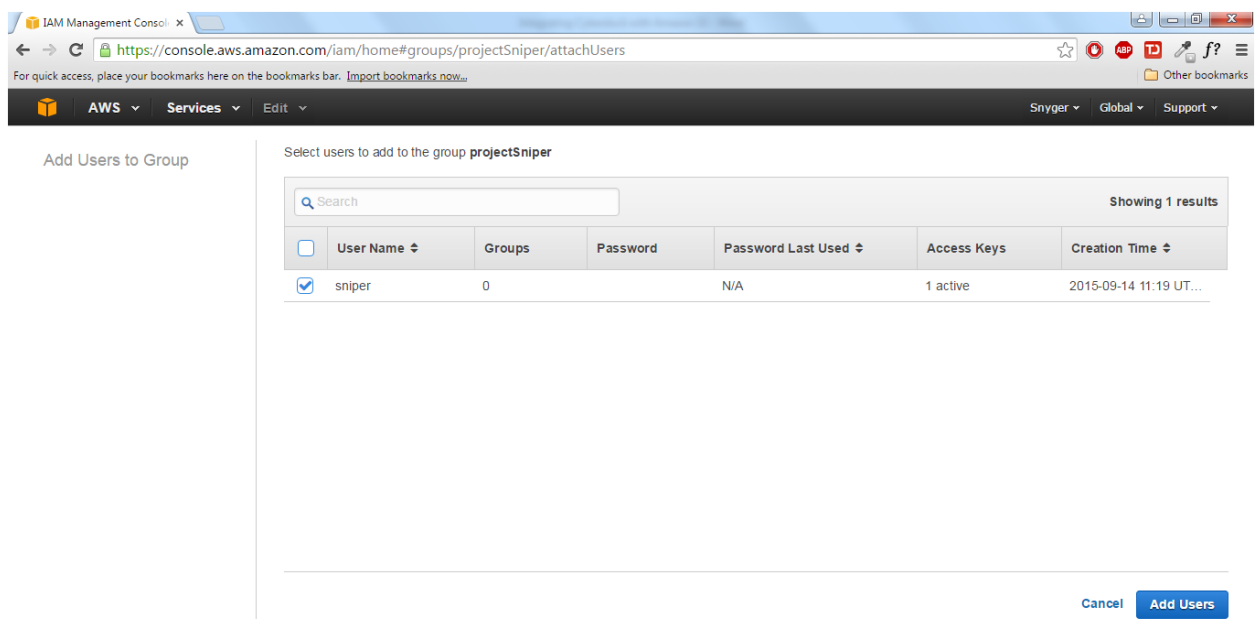
The last step is to add the user **sniper** to newly create group **projectSniper**. Under groups page you will see the newly created projectSniper group, to add the user sniper to group projectSniper double click on projectSniper group



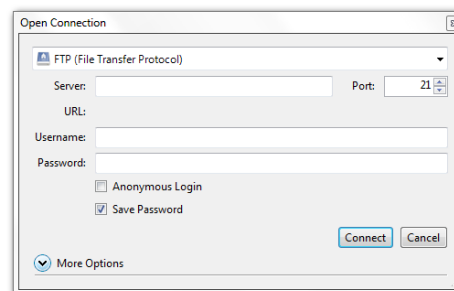
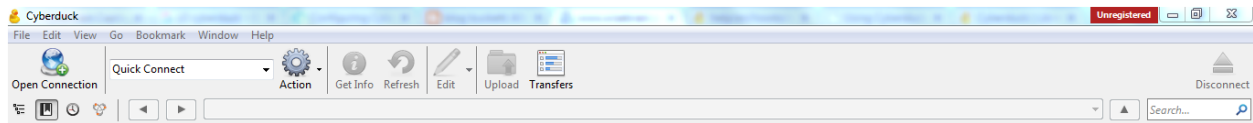
Next click on **Add Users to Group** button



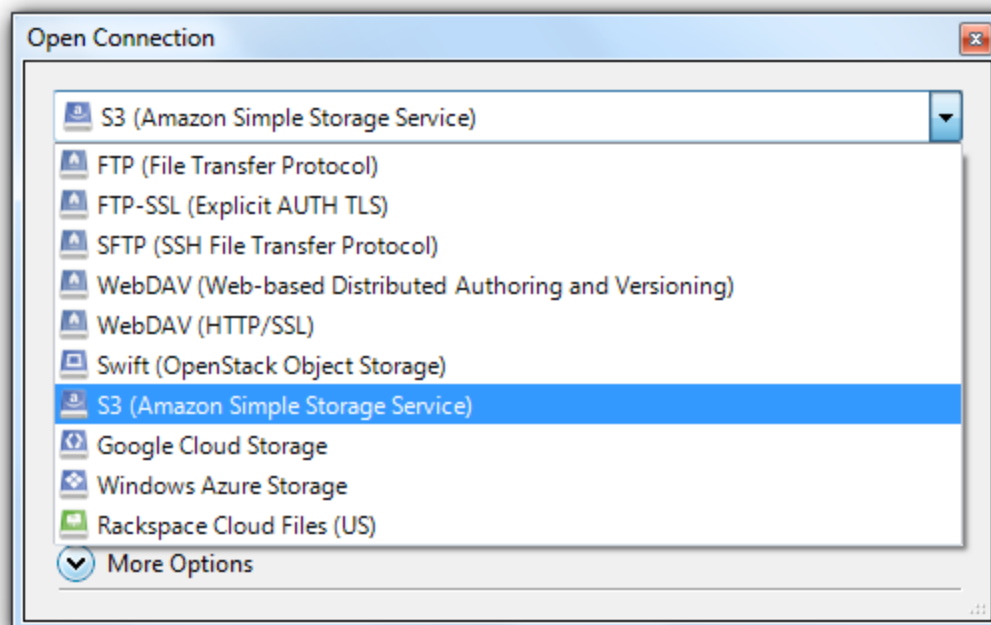
Select the user **sniper** and click on **Add Users** button to add the user sniper to group projectSniper



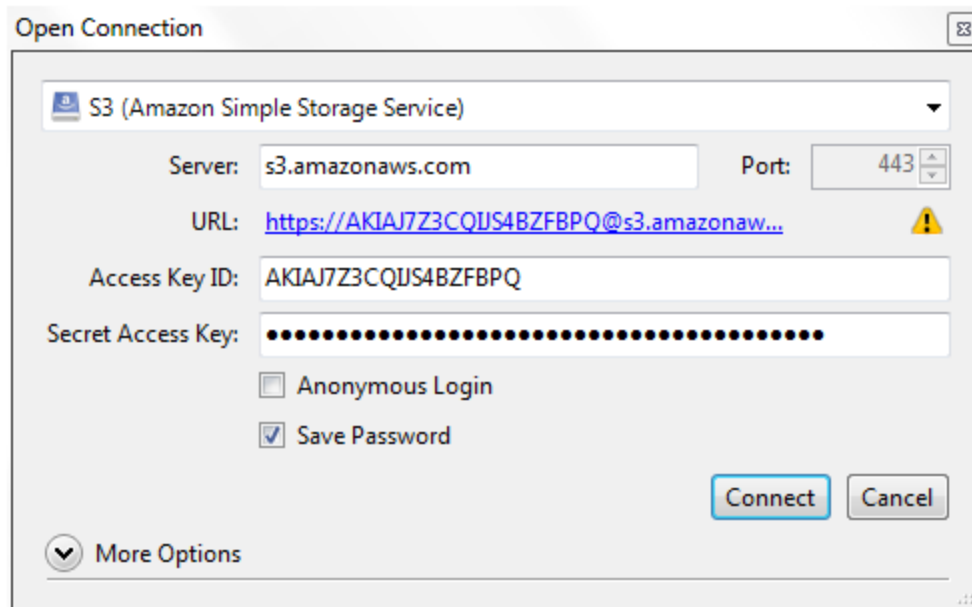
Now we are ready to authenticate cyberduck with Amazon S3. Run the cyberduck application and click on **Open Connection** button (at the upper left). This will bring a **Open Connection** window as shown below



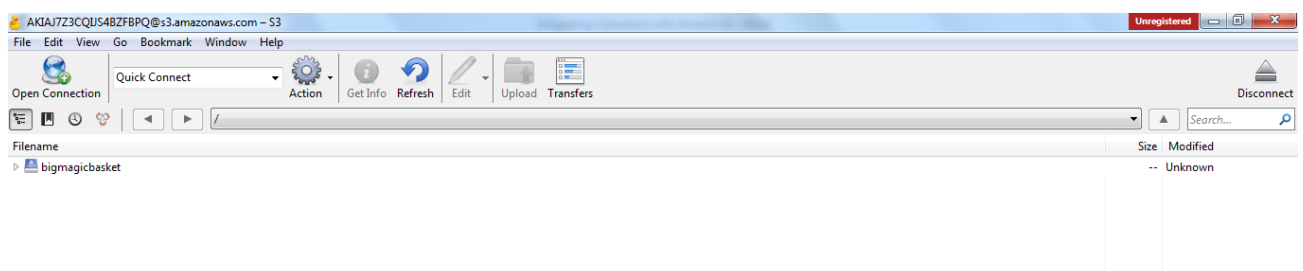
Select the S3 (Amazon Simple Storage Service) option from the dropdown as shown below



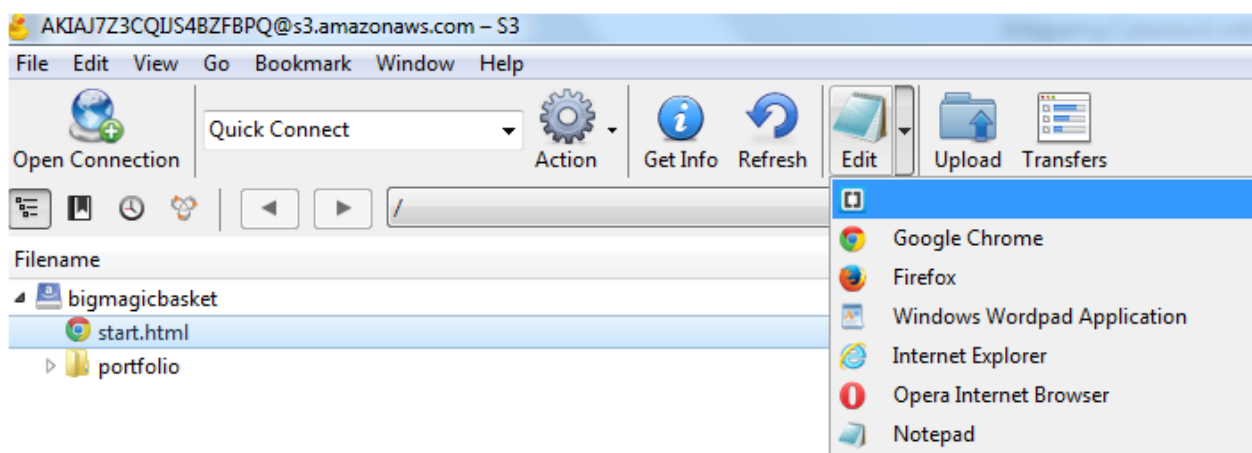
Copy and paste the **Access Key ID** and **Secret Access Key** that was generated when we created the user **sniper**. Also make sure **Save Password** checkbox is checked otherwise you have to provide the **Access Key ID** and **Secret Access Key** each time you run cyberduck. After providing the Access 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



```
File Edit Find View Navigate Debug Help

Working Files
index.html — C:/edurekaTour
index.html — s3freebucket/edurekaTour
contact.html
start.html

1 <html>
2 <title>Deployed On Amazon S3 </title>
3 <body>
4 <h1 align="center"> Congratulation you deployed your first application successfully !!</h1>
5 </body>
6 </html>
```