lab

lab title

AWS Command Line Interface (CLI)
V1.04

Course title

BackSpace Academy
AWS Certified Associate

Table of Contents

Contents

Copyright all rights reserved - BackSpace.Academy

About the Lab

Please note that not all AWS services are supported in all regions. Please use the US-East-1 (North Virginia) region for this lab.

These lab notes are to support the AWS CLI lab of the AWS Certified Cloud Practitioner Course.

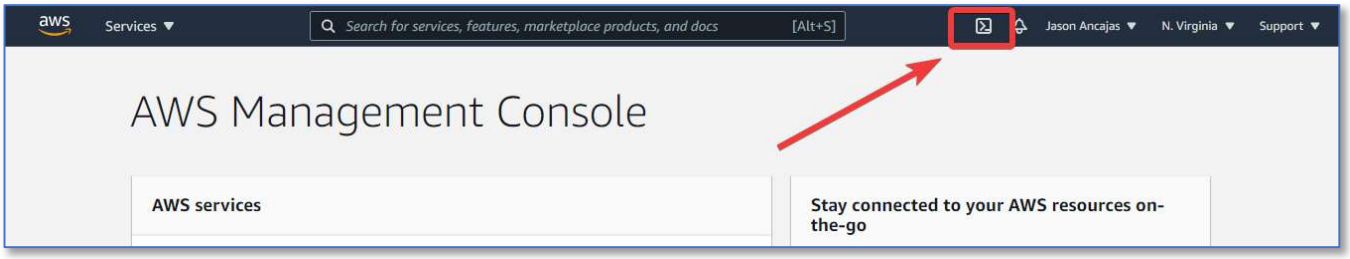
Please note that AWS services change on a weekly basis and it is extremely important you check the version number on this document to ensure you have the lastest version with any updates or corrections.

Copyright all rights reserved - BackSpace.Academy

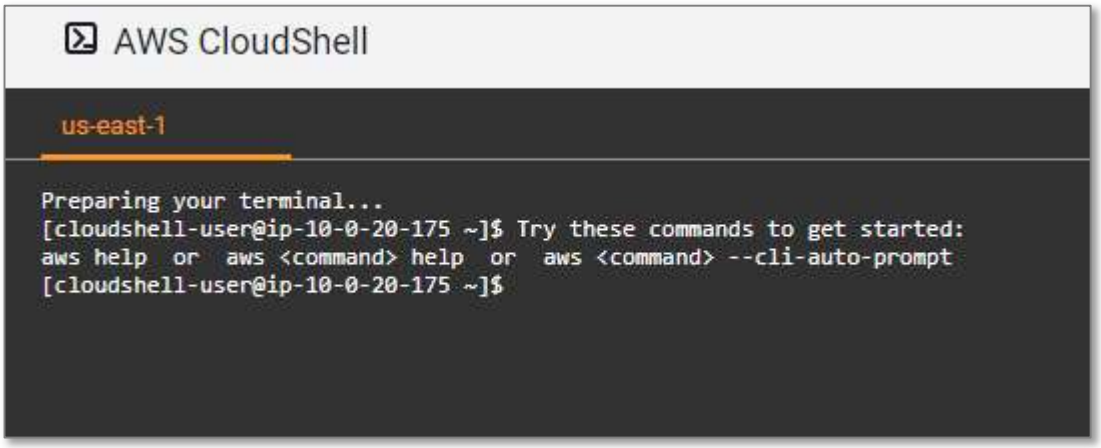
Using CloudShell for Command Line Access to AWS Resources

In this section, we will use the CloudShell service to access AWS resources.

From the AWS console click the *CloudShell* icon

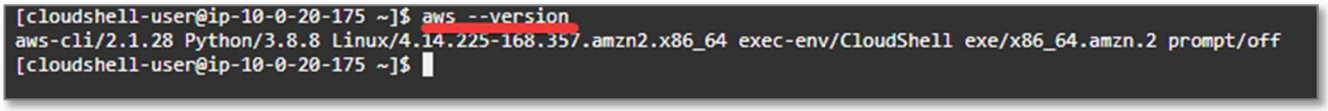


Your *CloudShell* environment will open.



Check that *AWS CLI* is already installed.

```
aws --version
```

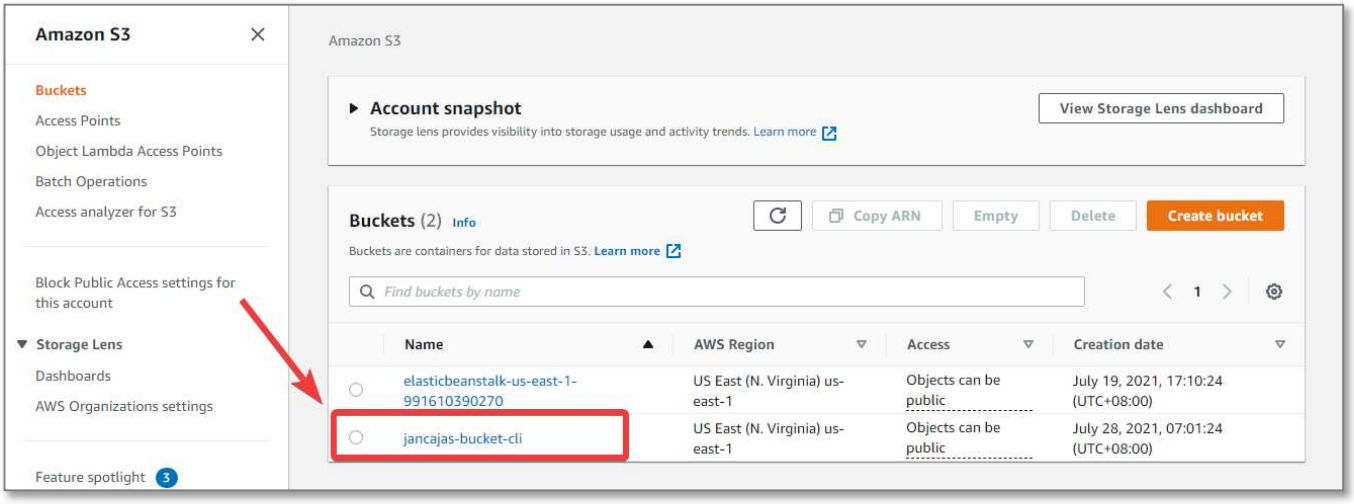


Copyright all rights reserved - BackSpace.Academy

Create a bucket using the *S3 mb* command

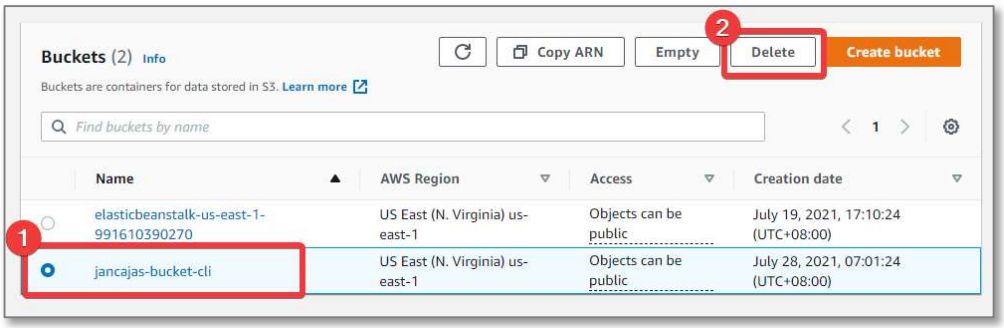
```
aws s3 mb s3://yourbucketname
```

Go to the *S3 management console* to see the newly created bucket



Clean Up

Now *Delete* the bucket



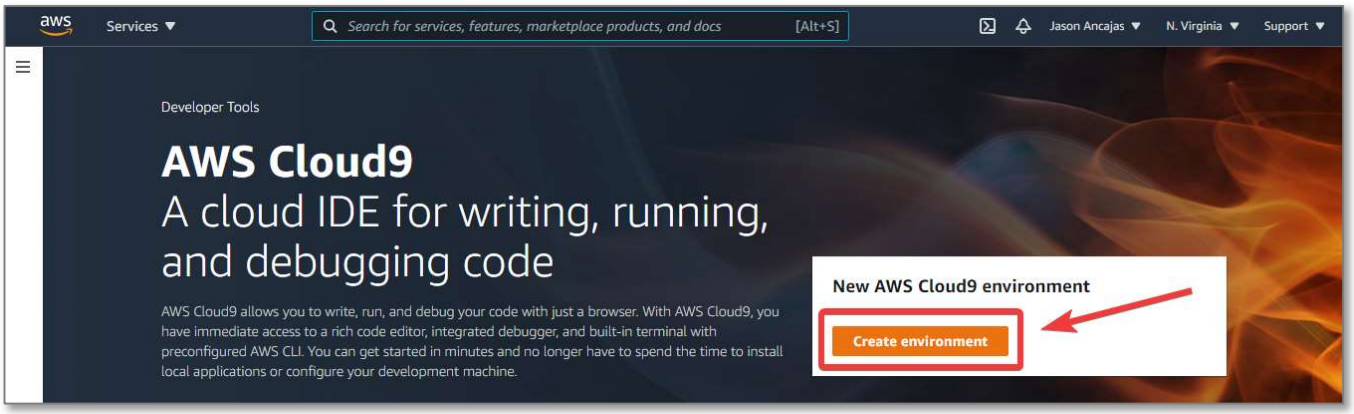
Copyright all rights reserved - BackSpace.Academy

Creating a Cloud9 Development Environment on EC2

In this section, we will use the Cloud9 service to create a development environment on an EC2 instance.

From the AWS console search *Cloud9*

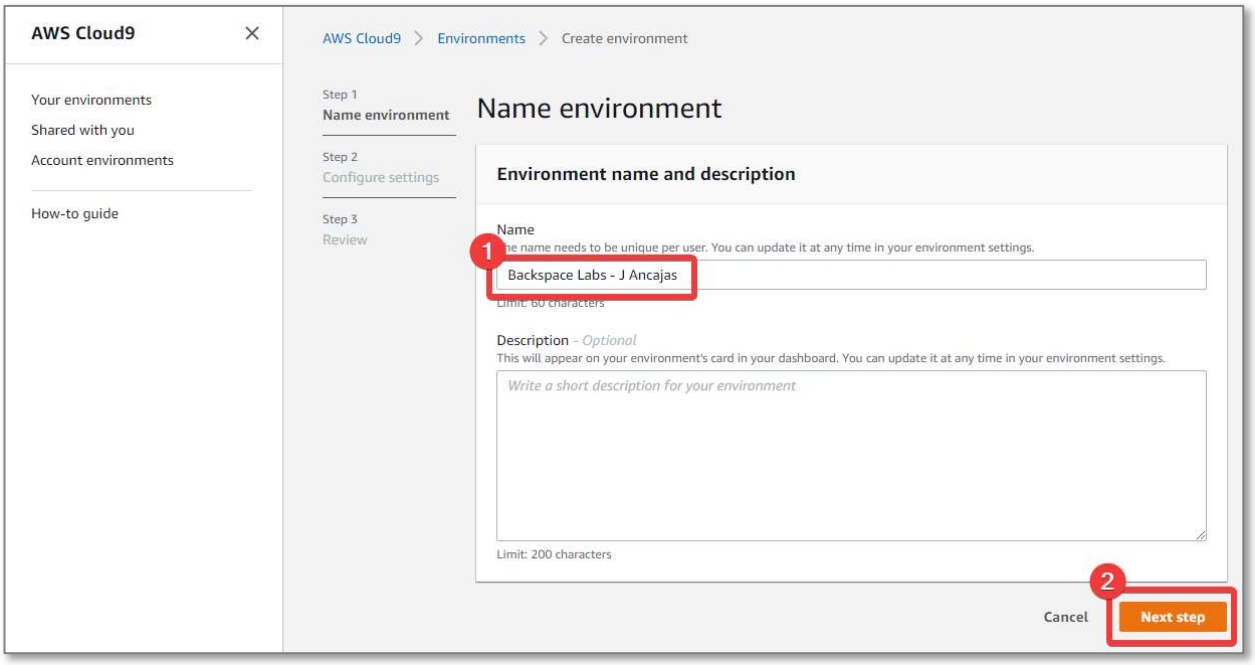
Click *Create environment*



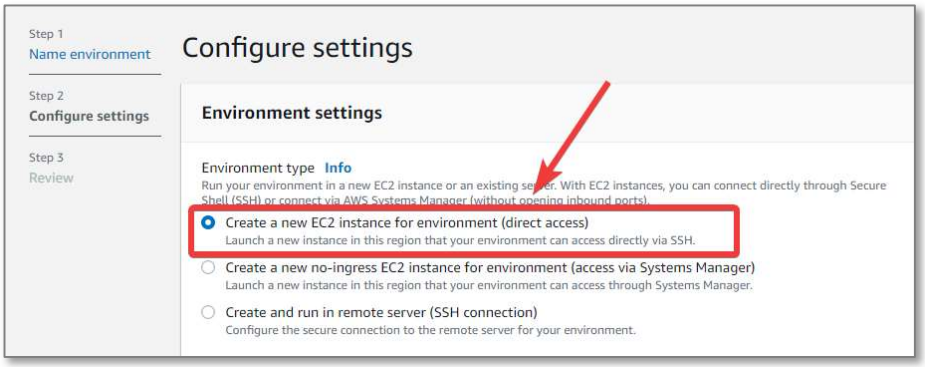
Copyright all rights reserved - BackSpace.Academy

Give your environment a unique name.

Click *Next step*

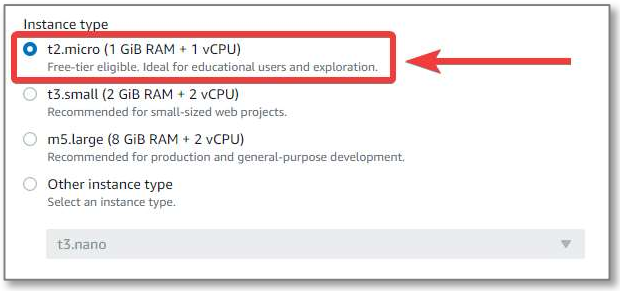


Select *EC2 environment.*

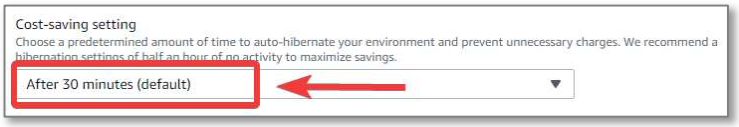


Select *t2 micro* to stay in the free tier

Copyright all rights reserved - BackSpace.Academy

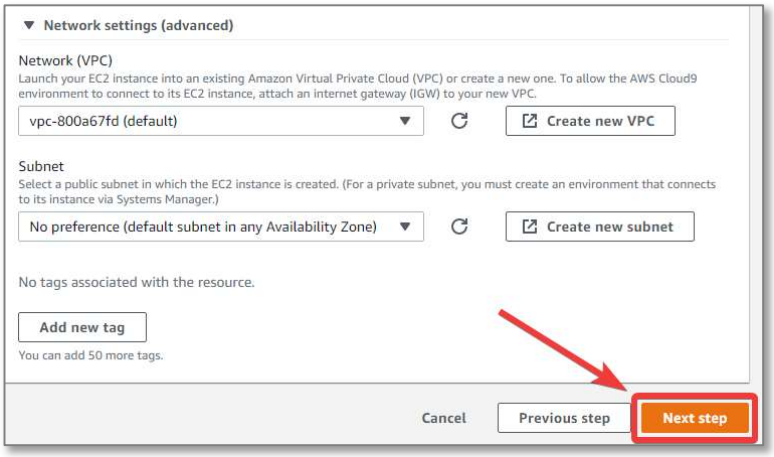


Leave hibernation setting at 30 mins

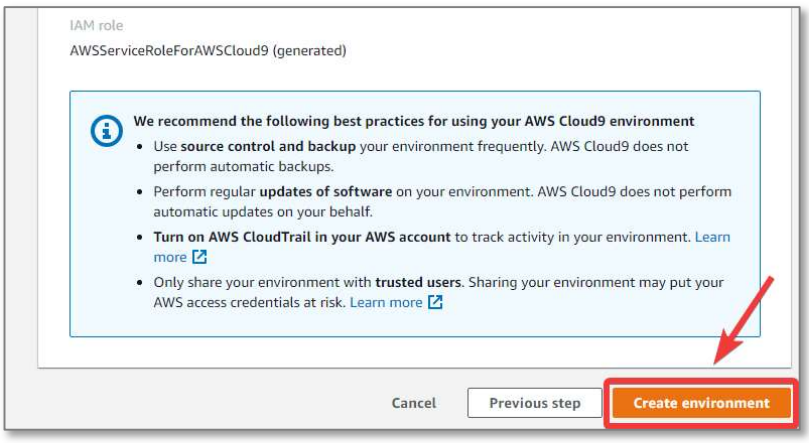


Leave Network settings as *default*

Click *Next step*



Click *Create environment*

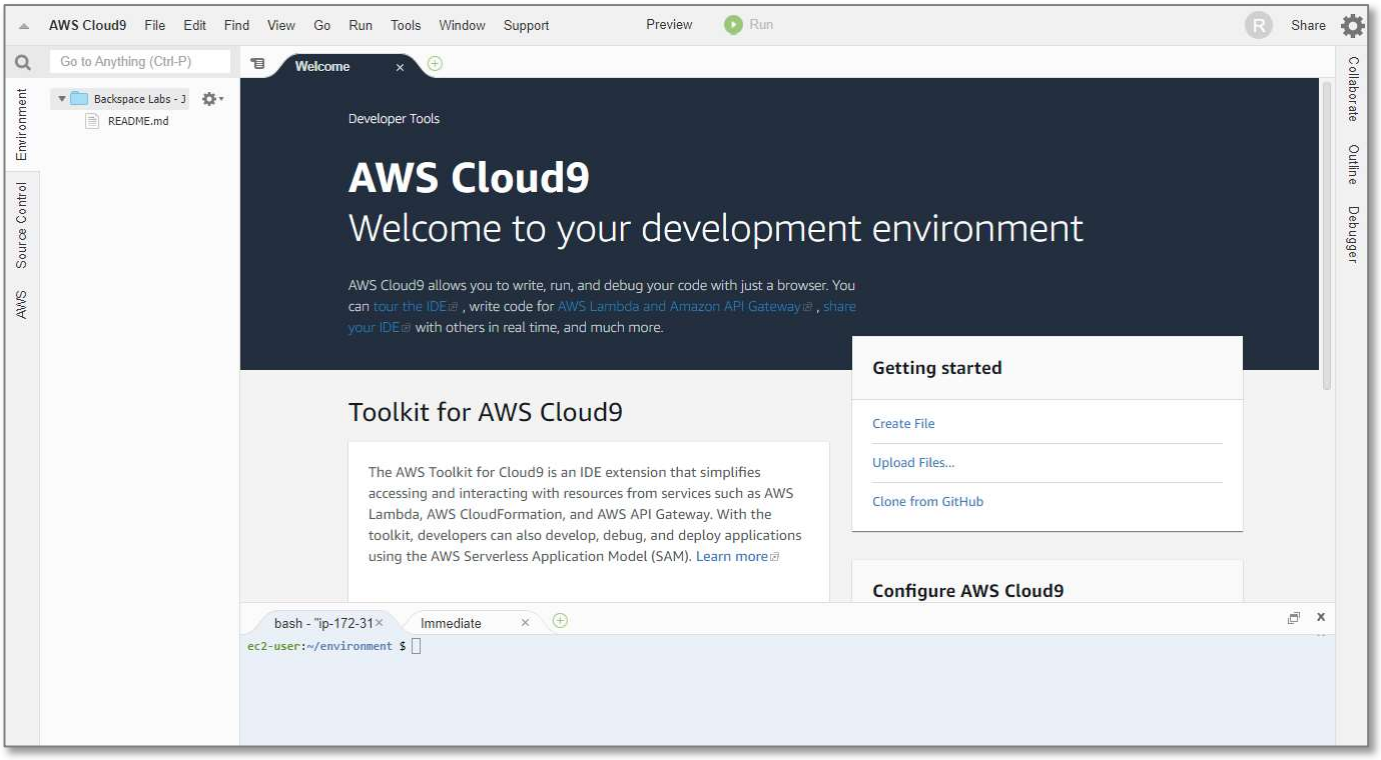


Copyright all rights reserved - BackSpace.Academy

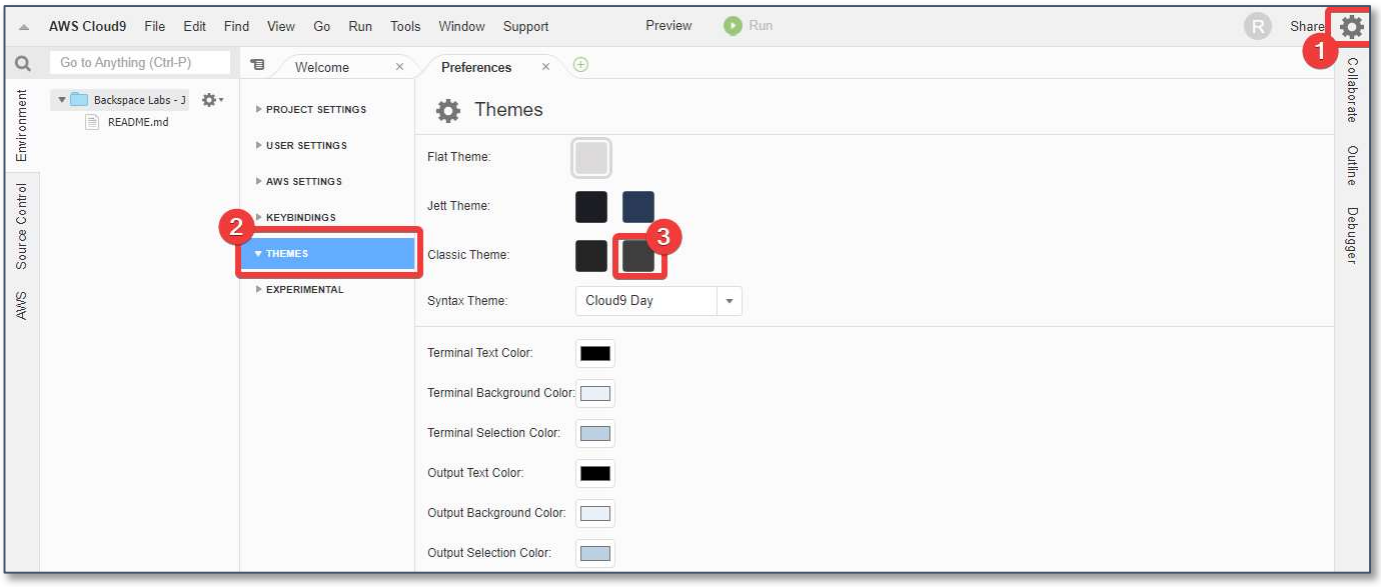
The environment creation process will begin

After some time, your environment will be created.

Copyright all rights reserved - BackSpace.Academy



You can customize the look and feel of the IDE by selecting a theme from the *preferences.*



Copyright all rights reserved - BackSpace.Academy

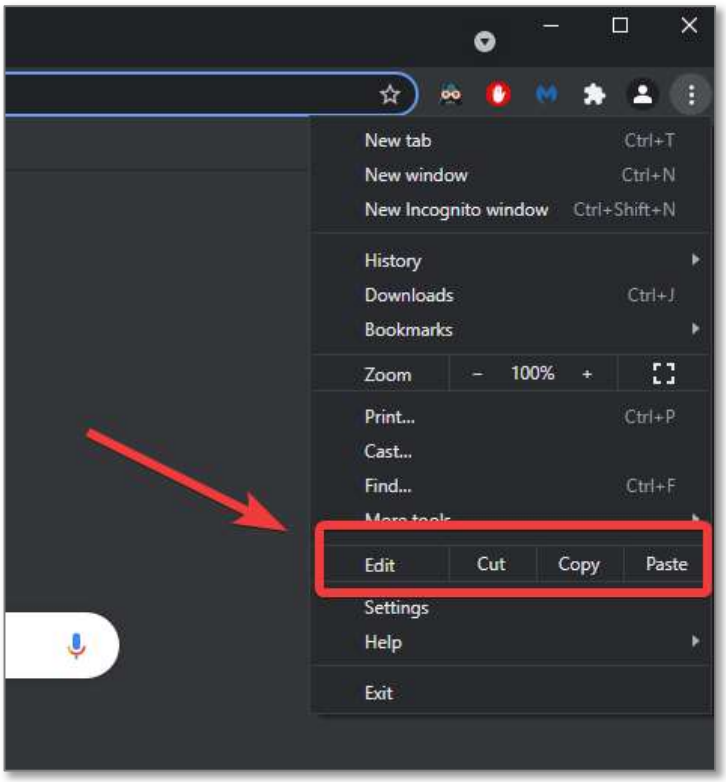
Sending CLI Commands from a Cloud9 Environment

In this section, we will use the Cloud9 service to send CLI commands from the Cloud9 Environment.

Please note:

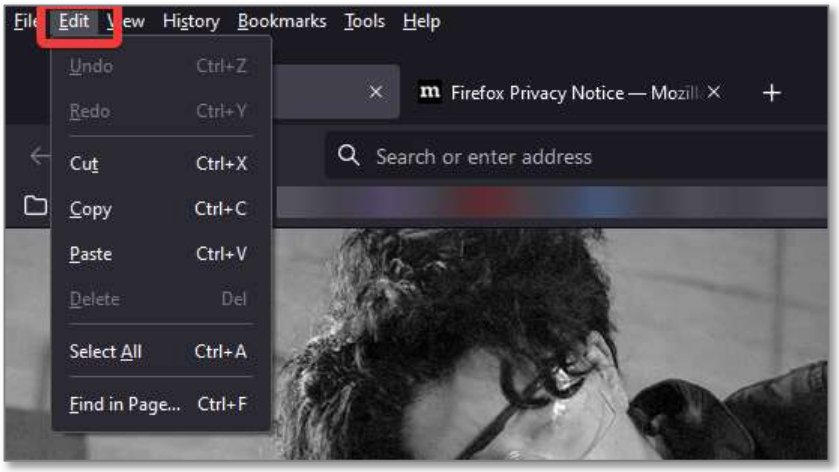
Cut and Paste (right click or Cloud9 menu) may not work directly in Cloud9. If you cannot paste into Cloud9 then use the browser paste menu item or use ctrl-v (Windows) / cmd-v (MAC).

e.g., for Chrome:



Copyright all rights reserved - BackSpace.Academy

e.g., for Firefox (Press Alt)

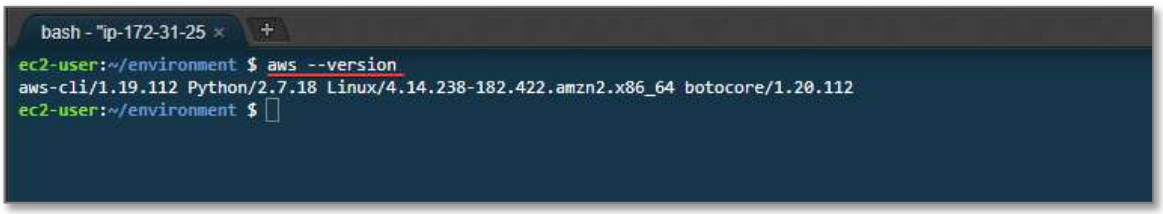


Sending Commands from the Cloud9 Environment

At the bottom of the screen will be the *Linux terminal console* panel.

Check that *AWS CLI* is already installed.

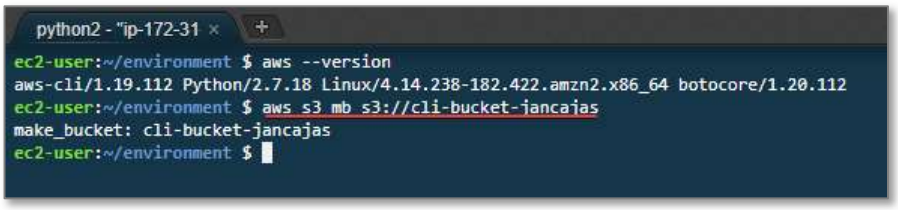
```
aws --version
```



Copyright all rights reserved - BackSpace.Academy

Create a bucket using the *S3 mb* command

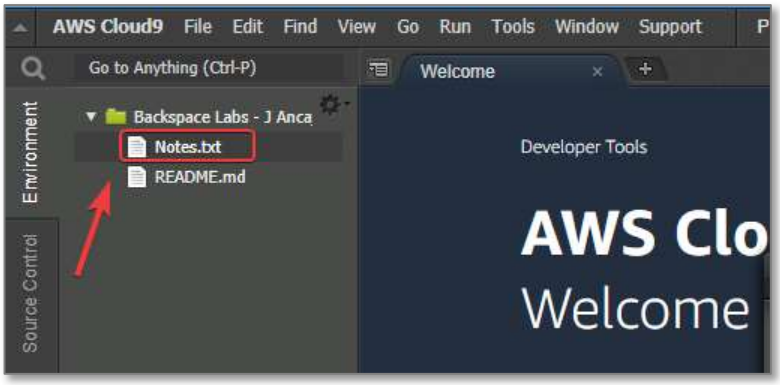
```
aws s3 mb s3://yourbucketname
```



Upload a local file to the *Cloud9 Environment*

The file will appear in the file *treeview* after uploading

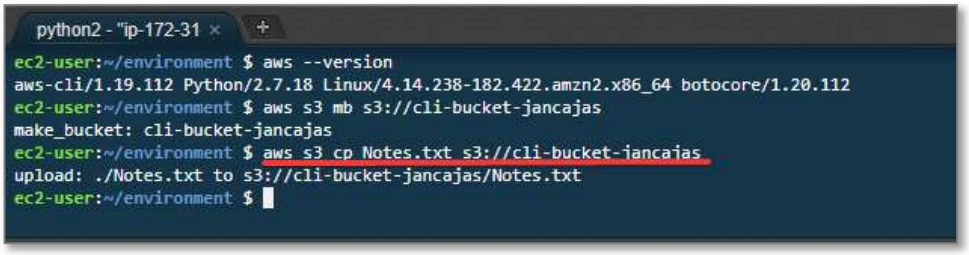
Copyright all rights reserved - BackSpace.Academy



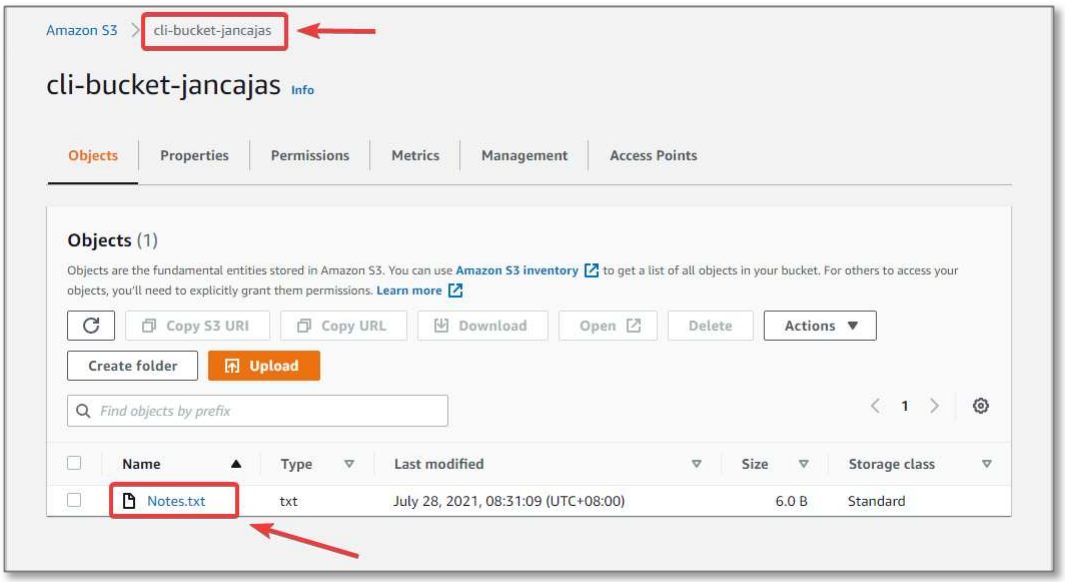
Now use the *S3 cp* command to copy the file to the newly created bucket

*Note filename is case sensitive

```
aws s3 cp yourfilename s3://yourbucketname
```



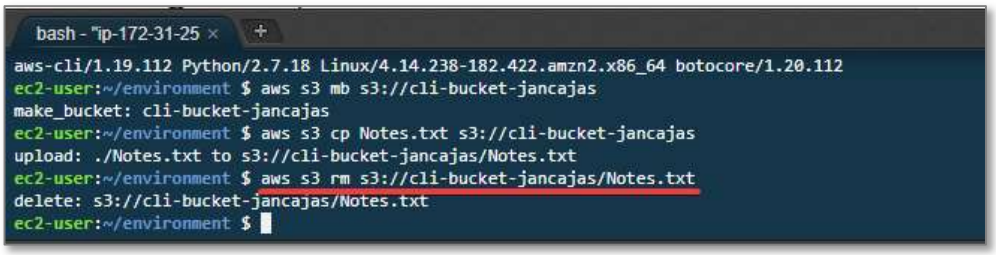
Go to the *S3 management console* to see the newly created bucket with its contents



Copyright all rights reserved - BackSpace.Academy

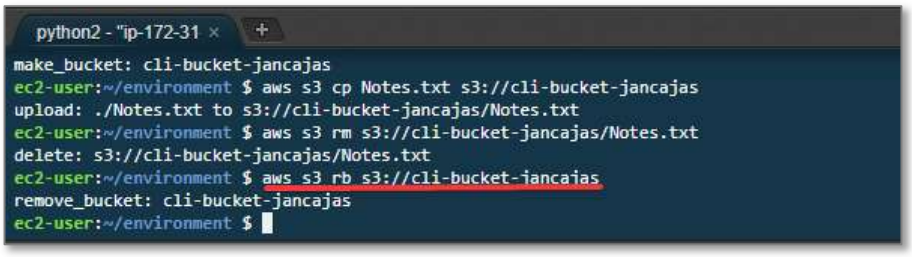
Now we will delete the object using the *S3 rm* command

```
aws s3 rm s3://yourbucketname/yourfilename
```



Now we will delete the empty bucket using the *S3 rb* command

```
aws s3 rb s3://yourbucketname
```

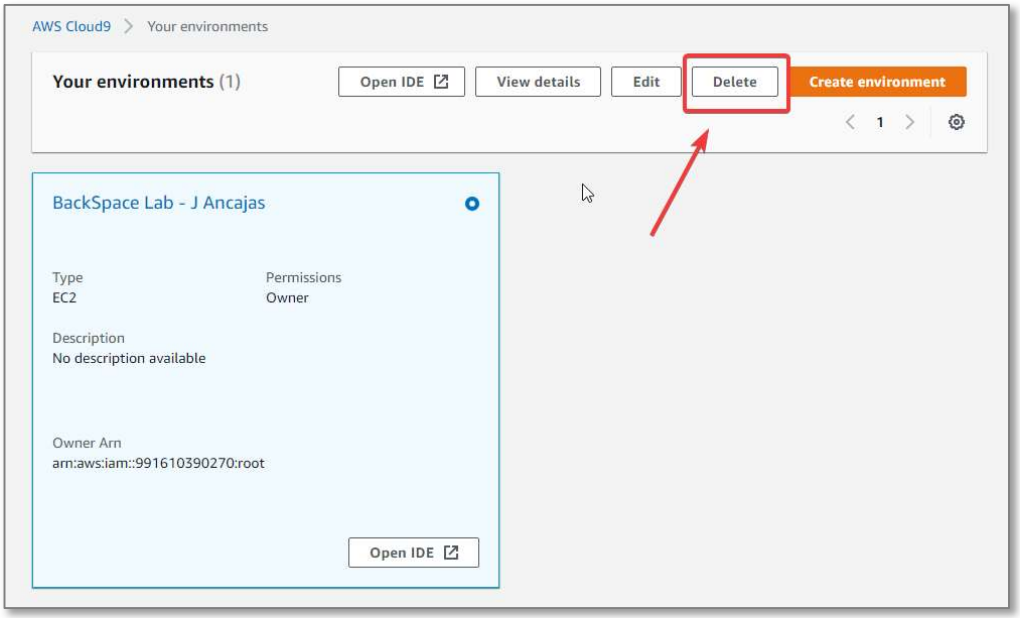


Clean Up

Go back to your *Cloud9 Dashboard*

Copyright all rights reserved - BackSpace.Academy

Select your environment and click *Delete*



Copyright all rights reserved - BackSpace.Academy