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| Actions | Screenshots |
| Login AWS Education Account |  |
| Go to EC2 Dashboard |  |
| Launch Instance 1 |  |
| Launch Instance 2 |  |
| Launch Instance 3 |  |
| Launch Instance 4 |  |
| Launch Instance 5 |  |
| Launch Instance 6 |  |
| Launch Instance 7 |  |
| Launch Instance 8 |  |
| Launch Instance 9 |  |
| View 1 |  |
| View 2 |  |
| Connect |  |
| Update |  |
| Then execute the following commands to install s3fs-fuse: this would allow you to mount a S3 bucket as a Lunix folder (directory) |  |
| Create a file to keep your AWS credential. You can use nano, vi, vim, or any editor available in your EC2.  You can also use your laptop text editor, e.g., notepad, notepad++, and then sftp your credentials file into your EC2. |  |
| Provide the credentials you created and downloaded beforehand. |  |
| Control + o  Enter |  |
| Control + x |  |
| Then change the access to your credential file |  |
| Create a bucket using AWS CLI. |  |
| Create a local directory that will be synchronized with your AWS S3 Bucket  The option -p will create the upper level directories if they do not exist. |  |
| Synchronize your local folder with your aws s3 bucket. |  |
| Download SSA baby name file into your local folder. |  |
| Unzip names.zip |  |
| Using AWS CLI, list the files available in the AWS S3 |  |
| Now open AWS console and check the files that are inside edu.gwu.ds.cc.fall2010 bucket |  |
| Now let us write a small Python program to manipulate buckets and objects using Python Boto library  Before you do so, you must install Python3.  Normally, the simple “sudo yum install python3” should work, however, sometimes it does not. | #  # check if python3 is already available  #    #  # install python3  # |
| Update pip or Install pip |  |
| Install Boto |  |
| Using your preferred text editor create a python program to list your buckets and the files inside the bucket that you have upload previously. Name this Python program:  test\_s3\_with\_boto.py |  |
| Make your Python program executable |  |
| Execute your test\_s3\_with\_boto.py |  |