How to connect S3 bucket to linux based EC2 instances:

1. First, we need to properly configure the IAM role with only S3 full access made specially for the EC2 instance.
2. Launch the EC2 instance of your choice with the previously created IAM role and log in to the instance from Putty or MobXterm or VS Code.
3. I am logging in to the instance from my VS code by connecting to ssh host:

ssh -i "C:/Users/nqg26/Downloads/ssh\_VSC.pem" [ec2-user@ec2-34-205-25-121.compute-1.amazonaws.com](mailto:ec2-user@ec2-34-205-25-121.compute-1.amazonaws.com)

1. We need to install a S3 mount package in our EC2 instance. We can either do it in the /home directory or /root directory. To change to root directory, use command ***sudo su.***
2. Now run the command the download the package into the directory:

***wget*** [***https://s3.amazonaws.com/mountpoint-s3-release/latest/x86\_64/mount-s3.rpm***](https://s3.amazonaws.com/mountpoint-s3-release/latest/x86_64/mount-s3.rpm)

1. Use ls to check if the file is dowoloaded.
2. Now to install the package use command: ***yum install ./mount-s3.rpm***
3. We can now check all of our S3 buckets by listing them out by the following command: ***aws s3 ls***
4. Command for looking into the content of a specific S3 bucket***: aws s3 ls s3://cellprofileraws***
5. Now create a directory for the mounting point. I will call it *s3\_mounting\_point*
6. To mount the S3 bucket use command: ***mount-s3 cellprofileraws s3\_mounting\_point/***
7. Use cd and ls commands to check the inside contents of the mounted s3 bucket