

# Project Environment and Required Software

## Host Server and Storage

- **Amazon EC2**

AMI ID: UCB W205 Spring 2016 (ami-be0d5fd4)

Instance type: m3.medium

Root device type: ebs

Security Group:

Type	Protocol	Port Range	Source
Custom TCP Rule	TCP	4040	0.0.0.0/0
Custom TCP Rule	TCP	50070	0.0.0.0/0
Custom TCP Rule	TCP	8888	0.0.0.0/0
Custom TCP Rule	TCP	8080	0.0.0.0/0
PostgreSQL	TCP	5432	0.0.0.0/0
SSH	TCP	22	0.0.0.0/0
Custom TCP Rule	TCP	10000	0.0.0.0/0
Custom TCP Rule	TCP	7180	0.0.0.0/0
Custom TCP Rule	TCP	8088	0.0.0.0/0
HTTPS	TCP	443	0.0.0.0/0

- **EBS volume Storage**

Size: 100 GiB

Volume type: gp2

IOPS: 300 / 3000

## Required Installations:

- HDFS
- PostgreSQL
- Tableau
- Filezilla
- Python
- IPython Notebook
- PyCharm (optional)