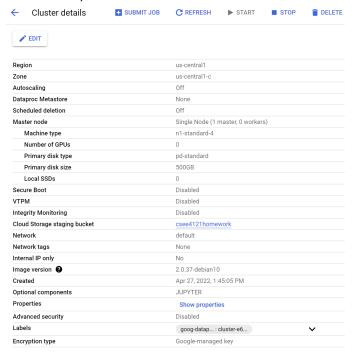
Question 2: Cluster Screenshot:(block size: 128MB; single node with 4 cores; others are default)



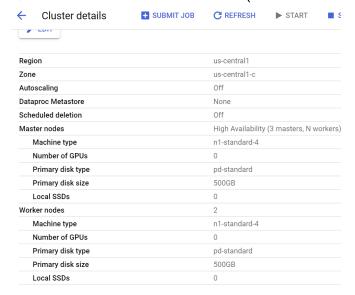
Cluster cluster-e60d properties



Job Properties(cores:4; Spark driver memory: 1GB; Spark executor memory: 5GB)



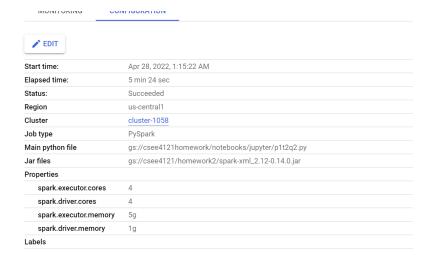
Question 3: Cluster Screenshot: (3 nodes with 2 workers; others are default)



Cluster cluster-1058 properties

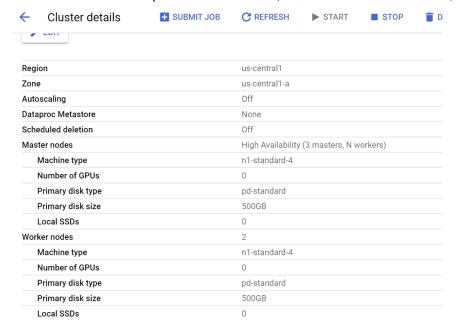


Job Properties(cores:4; Spark driver memory: 1GB; Spark executor memory: 5GB)



Question 4

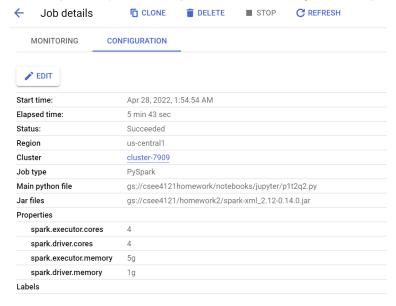
Cluster Screenshot:(block size: 64MB; 3 nodes with 2 workers;others default)



Cluster cluster-7909 properties

hdfs:dfs.blocksize 67108864

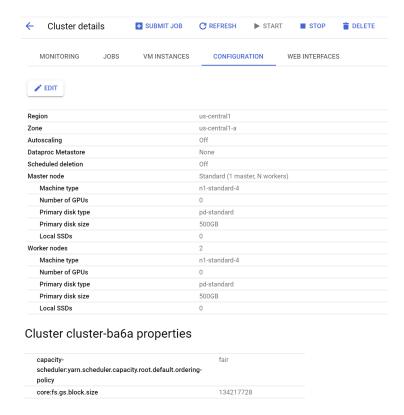
Job Properties(cores:4; Spark driver memory: 1GB; Spark executor memory: 5GB)



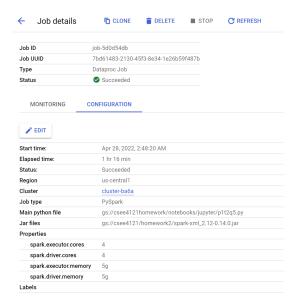
EQUIVALENT REST

Question 5

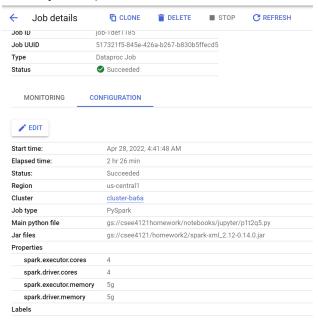
Cluster Screenshot:(1 node with 2 workers; others are default)



Job Properties(without killing one worker)(cores:4; Spark driver memory: 5GB; Spark executor memory: 5GB):



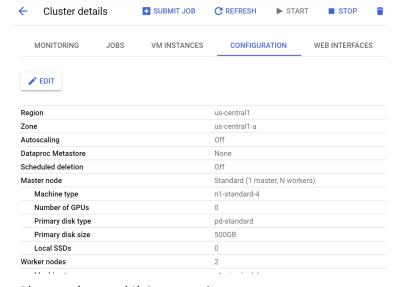
Job Properties(after killing one worker)(cores:4; Spark driver memory: 5GB; Spark executor memory: 5GB):



EQUIVALENT REST

Question 6

Cluster Screenshot:(1 node with 2 workers;replication factor = 1; others are default)



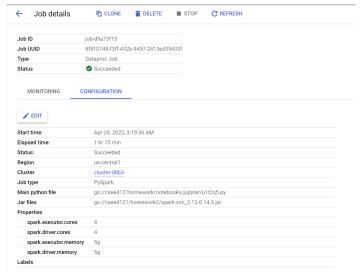
Cluster cluster-d6b3 properties



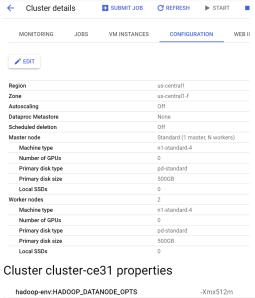
Cluster cluster-d6b3 properties



Job Properties(without killing one worker)(cores:4; Spark driver memory: 5GB; Spark executor memory: 5GB):



Question 7(Cluster Screenshot:(block size: 64MB; 1 node with 2 workers; others are default))





Job Properties(without killing one worker)(Spark driver memory: cores:4; 5GB; Spark executor memory: 5GB):

