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**QUESTION 1**

You have a Hadoop cluster running HDFS, and a gateway machine external to the cluster from which clients submit jobs. What do you need to do in order to run on the cluster and submit jobs from the command line of the gateway machine?

- A. Install the implad daemon, statestored daemon, and catalogd daemon on each machine in the cluster and on the gateway node
- B. Install the impalad daemon on each machine in the cluster, the statestored daemon and catalogd daemon on one machine in the cluster, and the impala shell on your gateway machine
- C. Install the impalad daemon and the impala shell on your gateway machine, and the statestored daemon and catalog daemon on one of the nodes in the cluster
- D. Install the impalad daemon, the statestored daemon, the catalogd daemon, and the impala shell on your gateway machine
- E. Install the impalad daemon, statestored daemon, and catalogd daemon on each machine in the cluster, and the impala shell on your gateway machine

Correct Answer: B

QUESTION 2

You are running a Hadoop cluster with MapReduce version 2 (MRv2) on YARN. You consistently see that MapReduce map tasks on your cluster are running slowly because of excessive garbage collection of JVM, how do you increase JVM heap property to 3GB to optimize performance?

- A. Yarn.application.child.java.opts-Xax3072m
- B. Yarn.application.child.java.opts=-3072m
- C. Mapreduce.map.java.opts=-Xmx3072m
- D. Mapreduce.map.java.opts=-Xms3072m

Correct Answer: C

QUESTION 3

Which two are Features of Hadoop's rack topology?

- A. Configuration of rack awareness is accomplished using a configuration file. You cannot use a rack topology script.
- B. Even for small clusters on a single rack, configuring rack awareness will improve performance.
- C. Rack location is considered in the HDFS block placement policy
- D. HDFS is rack aware but MapReduce daemons are not



E. Hadoop gives preference to Intra rack data transfer in order to conserve bandwidth

Correct Answer: BC

QUESTION 4

You have a cluster running with the Fair Scheduler enabled. There are currently no jobs running on the cluster, and you submit a job A, so that only job A is running on the cluster. A while later, you submit Job B. now job A and Job B are running on the cluster at the same time. How will the Fair Scheduler handle these two jobs?

- A. When job A gets submitted, it consumes all the tasks slots.
- B. When job A gets submitted, it doesn't consume all the task slots
- C. When job B gets submitted, Job A has to finish first, before job B can scheduled
- D. When job B gets submitted, it will get assigned tasks, while Job A continue to run with fewer tasks.

Correct Answer: C

QUESTION 5

A slave node in your cluster has four 2TB hard drives installed (4 x 2TB). The DataNode is configured to store HDFS blocks on the disks. You set the value of the dfs.datanode.du.reserved parameter to 100GB. How does this alter HDFS block storage?

- A. A maximum of 100 GB on each hard drive may be used to store HDFS blocks
- B. All hard drives may be used to store HDFS blocks as long as atleast 100 GB in total is available on the node
- C. 100 GB on each hard drive may not be used to store HDFS blocks
- D. 25 GB on each hard drive may not be used to store HDFS blocks

Correct Answer: B

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