



# CCA-500<sup>Q&As</sup>

Cloudera Certified Administrator for Apache Hadoop (CCA-H)

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### QUESTION 1

You're upgrading a Hadoop cluster from HDFS and MapReduce version 1 (MRv1) to one running HDFS and MapReduce version 2 (MRv2) on YARN. You want to set and enforce version 1 (MRv1) to one running HDFS and MapReduce version 2 (MRv2) on YARN. You want to set and enforce a block size of 128MB for all new files written to the cluster after upgrade. What should you do?

- A. You cannot enforce this, since client code can always override this value
- B. Set `dfs.block.size` to 128M on all the worker nodes, on all client machines, and on the NameNode, and set the parameter to final
- C. Set `dfs.block.size` to 128 M on all the worker nodes and client machines, and set the parameter to final. You do not need to set this value on the NameNode
- D. Set `dfs.block.size` to 134217728 on all the worker nodes, on all client machines, and on the NameNode, and set the parameter to final
- E. Set `dfs.block.size` to 134217728 on all the worker nodes and client machines, and set the parameter to final. You do not need to set this value on the NameNode

Correct Answer: C

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### QUESTION 2

You are running Hadoop cluster with all monitoring facilities properly configured.

Which scenario will go undetected?

- A. HDFS is almost full
- B. The NameNode goes down
- C. A DataNode is disconnected from the cluster
- D. Map or reduce tasks that are stuck in an infinite loop
- E. MapReduce jobs are causing excessive memory swaps

Correct Answer: B

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### QUESTION 3

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

- A. 25GB on each hard drive may not be used to store HDFS blocks
- B. 100GB on each hard drive may not be used to store HDFS blocks



C. All hard drives may be used to store HDFS blocks as long as at least 100 GB in total is available on the node

D. A maximum of 100 GB on each hard drive may be used to store HDFS blocks

Correct Answer: C

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#### QUESTION 4

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

A. Install the impalad daemon, the statestored daemon, and daemon on each machine in the cluster, and the impala shell on your gateway machine

B. Install the impalad daemon, the statestored daemon, the catalogd daemon, 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 catalogd daemon on one of the nodes in the cluster

D. 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

E. Install the impalad daemon, statestored daemon, and catalogd daemon on each machine in the cluster and on the gateway node

Correct Answer: D

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#### QUESTION 5

On a cluster running MapReduce v2 (MRv2) on YARN, a MapReduce job is given a directory of 10 plain text files as its input directory. Each file is made up of 3 HDFS blocks. How many Mappers will run?

A. We cannot say; the number of Mappers is determined by the ResourceManager

B. We cannot say; the number of Mappers is determined by the developer

C. 30

D. 3

E. 10

F. We cannot say; the number of mappers is determined by the ApplicationMaster

Correct Answer: E

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