

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

Cloudera Certified Administrator for Apache Hadoop (CCA-H)

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#### QUESTION 1

Which YARN daemon or service monitors a Controller's per-application resource using (e.g., memory CPU)?

- A. ApplicationMaster
- B. NodeManager
- C. ApplicationManagerService
- D. ResourceManager

Correct Answer: A

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#### QUESTION 2

You use the `hadoop fs put` command to add a file "sales.txt" to HDFS. This file is small enough that it fits into a single block, which is replicated to three nodes in your cluster (with a replication factor of 3). One of the nodes holding this file (a single block) fails. How will the cluster handle the replication of file in this situation?

- A. The file will remain under-replicated until the administrator brings that node back online
- B. The cluster will re-replicate the file the next time the system administrator reboots the NameNode daemon (as long as the file's replication factor doesn't fall below)
- C. This will be immediately re-replicated and all other HDFS operations on the cluster will halt until the cluster's replication values are resorted
- D. The file will be re-replicated automatically after the NameNode determines it is under-replicated based on the block reports it receives from the NameNodes

Correct Answer: D

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#### QUESTION 3

Assuming a cluster running HDFS, MapReduce version 2 (MRv2) on YARN with all settings at their default, what do you need to do when adding a new slave node to cluster?

- A. Nothing, other than ensuring that the DNS (or/etc/hosts files on all machines) contains any entry for the new node.
- B. Restart the NameNode and ResourceManager daemons and resubmit any running jobs.
- C. Add a new entry to /etc/nodes on the NameNode host.
- D. Restart the NameNode of `dfs.number.of.nodes` in `hdfs-site.xml`

Correct Answer: A

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#### QUESTION 4

Which two features does Kerberos security add to a Hadoop cluster? (Choose two)

- A. User authentication on all remote procedure calls (RPCs)
- B. Encryption for data during transfer between the Mappers and Reducers
- C. Encryption for data on disk ("at rest")
- D. Authentication for user access to the cluster against a central server
- E. Root access to the cluster for users hdfs and mapred but non-root access for clients

Correct Answer: AD

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#### QUESTION 5

You suspect that your NameNode is incorrectly configured, and is swapping memory to disk. Which Linux commands help you to identify whether swapping is occurring? (Select all that apply)

- A. free
- B. df
- C. memcat
- D. top
- E. jps
- F. vmstat
- G. swapinfo

Correct Answer: ADF

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