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QUESTION 1

You are configuring a server running HDFS, MapReduce version 2 (MRv2) on YARN running Linux. How must you format underlying file system of each DataNode?

A. They must be formatted as HDFS

B. They must be formatted as either ext3 or ext4

C. They may be formatted in any Linux file system

D. They must not be formatted - - HDFS will format the file system automatically

Correct Answer: B

QUESTION 2

Cluster Summary:

45 files and directories, 12 blocks = 57 total. Heap size is 15.31 MB/193.38MB(7%)

Configured capacity	:	17.33GB
DFS Used	:	144KB
Non DFS Used	:	5.49GB
DFS Remaining	:	11.84GB
DFS Used %	:	0%
DFS Remaining %	:	68.32GB
Live Nodes	:	6
Dead Nodes	:	1
Decommissioning Nodes	:	0
Number of Under-Replicated Blocks	:	6

Refer to the above screenshot.

You configure a Hadoop cluster with seven DataNodes and on of your monitoring UIs displays the details

shown in the exhibit.

What does the this tell you?

A. The DataNode JVM on one host is not active

B. Because your under-replicated blocks count matches the Live Nodes, one node is dead, and your DFS Used % equals 0%, you can\'t be certain that your cluster has all the data you\'ve written it.

C. Your cluster has lost all HDFS data which had bocks stored on the dead DatNode

D. The HDFS cluster is in safe mode

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Correct Answer: A

QUESTION 3

Your cluster implements HDFS High Availability (HA). Your two NameNodes are named nn01 and nn02. What occurs when you execute the command: hdfs haadmin failover nn01 nn02?

A. nn02 is fenced, and nn01 becomes the active NameNode

B. nn01 is fenced, and nn02 becomes the active NameNode

C. nn01 becomes the standby NameNode and nn02 becomes the active NameNode

D. nn02 becomes the standby NameNode and nn01 becomes the active NameNode

Correct Answer: B

QUESTION 4

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

QUESTION 5

Choose three reasons why should you run the HDFS balancer periodically? (Choose three)

A. To ensure that there is capacity in HDFS for additional data

B. To ensure that all blocks in the cluster are 128MB in size

C. To help HDFS deliver consistent performance under heavy loads

D. To ensure that there is consistent disk utilization across the DataNodes

E. To improve data locality MapReduce

Correct Answer: CDE

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