HDFS Architecture

1.

HDFS is strictly POSIX compliant.

○
True

◉
False

2.

Following issues may be caused by lot of small files in HDFS

☑

NameNode memory usage increases significantly

☐

Network load decreases

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Number of map tasks need to process the same amount of data will be larger.

☐

I/O rate will be faster

3.

You are writing a 10GB file to a HDFS filesystem with a default block size of 128MB. How many blocks will the file be broken into?

○

1280

○

160

●

80

○

480

4.

You are writing a 10GB file into HDFS with a replication of 2 and block size of 64MB. How much total disk space will this file use?

○ 20GB

○ 128GB

○ 10GB

○ 30GB

5.

What is the first step in a write process from a HDFS client?

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Immediately contact the NameNode

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Start locally caching the data that needs to be written and then contact NameNode

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Contact the nearest DataNode

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Contact all the DataNodes involved in replication

6.

HDFS NameNode is not rack aware when it places the replica blocks.

○
True

◉
False