



Cloudera

CCA-500 Exam

Cloudera Certified Administrator for Apache Hadoop (CCA-H)

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Question: 1

Your cluster's mapred-start.xml includes the following parameters

```
<name>mapreduce.map.memory.mb</name>
```

```
<value>4096</value>
```

```
<name>mapreduce.reduce.memory.mb</name>
```

```
<value>8192</value>
```

And any cluster's yarn-site.xml includes the following parameters

```
<name>yarn.nodemanager.vmem-pmem-ratio</name>
```

```
<value>2.1</value>
```

What is the maximum amount of virtual memory allocated for each map task before YARN will kill its Container?

- A. 4 GB
- B. 17.2 GB
- C. 8.9GB
- D. 8.2 GB
- E. 24.6 GB

Answer: D

Question: 2

Assuming you're not running HDFS Federation, what is the maximum number of NameNode daemons you should run on your cluster in order to avoid a "split-brain" scenario with your NameNode when running HDFS High Availability (HA) using Quorum-based storage?

- A. Two active NameNodes and two Standby NameNodes
- B. One active NameNode and one Standby NameNode
- C. Two active NameNodes and one Standby NameNode
- D. Unlimited. HDFS High Availability (HA) is designed to overcome limitations on the number of NameNodes you can deploy

Answer: B

Question: 3

Table schemas in Hive are:

- A. Stored as metadata on the NameNode
- B. Stored along with the data in HDFS
- C. Stored in the Metadata
- D. Stored in ZooKeeper

Answer: B

Question: 4

For each YARN job, the Hadoop framework generates task log file. Where are Hadoop task log files stored?

- A. Cached by the NodeManager managing the job containers, then written to a log directory on the NameNode
- B. Cached in the YARN container running the task, then copied into HDFS on job completion
- C. In HDFS, in the directory of the user who generates the job
- D. On the local disk of the slave node running the task

Answer: D

Question: 5

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

Answer: B

Question: 6

Each node in your Hadoop cluster, running YARN, has 64GB memory and 24 cores. Your yarn.site.xml has the following configuration:

```
<property>
<name>yarn.nodemanager.resource.memory-mb</name>
<value>32768</value>
</property>
<property>
<name>yarn.nodemanager.resource.cpu-vcores</name>
<value>12</value>
</property>
```

You want YARN to launch no more than 16 containers per node. What should you do?

- A. Modify yarn-site.xml with the following property:
<name>yarn.scheduler.minimum-allocation-mb</name>
<value>2048</value>
- B. Modify yarn-sites.xml with the following property:
<name>yarn.scheduler.minimum-allocation-mb</name>

<value>4096</value>

C. Modify yarn-site.xml with the following property:

<name>yarn.nodemanager.resource.cpu-vcores</name>

D. No action is needed: YARN's dynamic resource allocation automatically optimizes the node memory and cores

Answer: C

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