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QUESTION 1

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

```
yarn.nodemanager.resource.memory-mb  
32768
```

```
yarn.nodemanager.resource.cpu-vcores  
12
```

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: yarn.scheduler.minimum-allocation-mb 2048
- B. Modify yarn-sites.xml with the following property: yarn.scheduler.minimum-allocation-mb 4096
- C. Modify yarn-site.xml with the following property: yarn.nodemanager.resource.cpu-vcores
- D. No action is needed: YARN's dynamic resource allocation automatically optimizes the node memory and cores

Correct Answer: A

QUESTION 2

You are planning a Hadoop cluster and considering implementing 10 Gigabit Ethernet as the network fabric. Which workloads benefit the most from faster network fabric?

- A. When your workload generates a large amount of output data, significantly larger than the amount of intermediate data
- B. When your workload consumes a large amount of input data, relative to the entire capacity of HDFS
- C. When your workload consists of processor-intensive tasks
- D. When your workload generates a large amount of intermediate data, on the order of the input data itself

Correct Answer: A

QUESTION 3

You are configuring your cluster to run HDFS and MapReducer v2 (MRv2) on YARN. Which two daemons needs to be installed on your cluster's master nodes? (Choose two)

- A. HMaster
- B. ResourceManager
- C. TaskManager
- D. JobTracker
- E. NameNode
- F. DataNode

Correct Answer: BE

QUESTION 4

Which YARN daemon or service negotiations map and reduce Containers from the Scheduler, tracking their status and monitoring progress?

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

Correct Answer: B

QUESTION 5

You have just run a MapReduce job to filter user messages to only those of a selected geographical region. The output for this job is in a directory named westUsers, located just below your home directory in HDFS. Which command gathers these into a single file on your local file system?

- A. Hadoop fs getmerge R westUsers.txt
- B. Hadoop fs getemerge westUsers westUsers.txt
- C. Hadoop fs cp westUsers/* westUsers.txt
- D. Hadoop fs get westUsers westUsers.txt

Correct Answer: B