



CCA-505^{Q&As}

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**QUESTION 1**

Which is the default scheduler in YARN?

- A. Fair Scheduler
- B. FIFO Scheduler
- C. Capacity Scheduler
- D. YARN doesn't configure a default scheduler. You must first assign an appropriate scheduler class in yarn-site.xml

Correct Answer: C

QUESTION 2

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

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

Correct Answer: B

QUESTION 3

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

Correct Answer: C

QUESTION 4

What processes must you do if you are running a Hadoop cluster with a single NameNode and six DataNodes, and you want to change a configuration parameter so that it affects all six DataNodes.



- A. You must modify the configuration file on each of the six DataNode machines.
- B. You must restart the NameNode daemon to apply the changes to the cluster
- C. You must restart all six DataNode daemons to apply the changes to the cluster
- D. You don't need to restart any daemon, as they will pick up changes automatically
- E. You must modify the configuration files on the NameNode only. DataNodes read their configuration from the master nodes.

Correct Answer: BE

QUESTION 5

Your cluster's mapped-site.xml includes the following parameters

mapreduce.map.memory.mb

4096

mapreduce.reduce.memory.mb

8192

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

yarn.nodemanager/vmem-pmem-ratio

2.1

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

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

Correct Answer: D

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