



# CCA-505<sup>Q&As</sup>

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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

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### QUESTION 2

Identify two features/issues that YARN is designed to address:

- A. Standardize on a single MapReduce API
- B. Single point of failure in the NameNode
- C. Reduce complexity of the MapReduce APIs
- D. Resource pressures on the JobTracker
- E. Ability to run frameworks other than MapReduce, such as MPI
- F. HDFS latency

Correct Answer: DE

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### QUESTION 3

You are the hadoop fs put command to add a file "sales.txt" to HDFS. This file is small enough that it fits into a single block, which is replicated to three nodes in your cluster (with a replication factor of 3). One of the nodes holding this file (a single block) fails. How will the cluster handle the replication of this file in this situation/

- A. The cluster will re-replicate the file the next time the system administrator reboots the NameNode daemon (as long as the file's replication doesn't fall two)
- B. This file will be immediately re-replicated and all other HDFS operations on the cluster will halt until the cluster's replication values are restored
- C. The file will remain under-replicated until the administrator brings that nodes back online
- D. The file will be re-replicated automatically after the NameNode determines it is under replicated based on the block reports it receives from the DataNodes

Correct Answer: B

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#### QUESTION 4

Given:

```
[user1@host1 ~] $ yarn application -list  
Total Applications: 3
```

Application-Id	Application-Name	Application-Type	User	Queue	State	Final State	Progress	Tracking-URL
Application_1374638600275_0109	Sleep job	MAPREDUCE	user1	default	Killed	KILLED	100%	host1:54059
Application_1374638600275_0121	sleep job	MAPREDUCE	user1	default	SUCCEEDED	SUCCEEDED	100%	host1:19888/jobhistory/job/job_1374638600275_0121
Application_1374638600275_0020	sleep job	MAPREDUCE	user1	default	SUCCEEDED	SUCCEEDED	100%	host1:19888/jobhistory/job/job_1374638600275_0020

You want to clean up this list by removing jobs where the state is KILLED. What command you enter?

- A. Yarn application kill application\_1374638600275\_0109
- B. Yarn radmin refreshQueue
- C. Yarn application refreshJobHistory
- D. Yarn radmin kill application\_1374638600275\_0109

Correct Answer: A

#### 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 A gets submitted, it consumes all the tasks 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 scheduled
- D. When job B gets submitted, it will get assigned tasks, while Job A continue to run with fewer tasks.

Correct Answer: C

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