CCA-505^{Q&As}

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QUESTION 1

You are configuring your cluster to run HDFS and MapReduce v2 (MRv2) on YARN. Which daemons need to be installed on your clusters master nodes? (Choose Two)

A. ResourceManager

B. DataNode

C. NameNode

D. JobTracker

E. TaskTracker

F. HMaster

Correct Answer: AC

QUESTION 2

Given:

```
[user1@host1 ~] & yarn application –list
Total Applications: 3

Application-Id            Application-Name  Application-Type  User   Queue    State      Final State  Process  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 rmadmin refreshQueue

C. Yarn application refreshJobHistory

D. Yarn rmadmin kill application_1374638600275_0109

Correct Answer: A

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

QUESTION 4

For each YARN Job, the Hadoop framework generates task log files. Where are Hadoop\\'s files stored?

A. In HDFS, In the directory of the user who generates the job

B. On the local disk of the slave node running the task

C. Cached In the YARN container running the task, then copied into HDFS on fob completion

D. Cached by the NodeManager managing the job containers, then written to a log directory on the NameNode

Correct Answer: B

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/vmen-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