



**Free Questions for Hadoop-PR000007 by certsCare**

**Shared by Randolph on 24-05-2024**

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## Question 1

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**Question Type:** MultipleChoice

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Which one of the following statements describes a Pig bag, tuple, and map, respectively?

### Options:

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- A- Unordered collection of maps, ordered collection of tuples, ordered set of key/value pairs
- B- Unordered collection of tuples, ordered set of fields, set of key value pairs
- C- Ordered set of fields, ordered collection of tuples, ordered collection of maps
- D- Ordered collection of maps, ordered collection of bags, and unordered set of key/value pairs

### Answer:

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B

## Question 2

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**Question Type:** MultipleChoice

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What does Pig provide to the overall Hadoop solution?

**Options:**

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- A- Legacy language Integration with MapReduce framework
- B- Simple scripting language for writing MapReduce programs
- C- Database table and storage management services
- D- C++ interface to MapReduce and data warehouse infrastructure

**Answer:**

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B

## Question 3

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**Question Type: MultipleChoice**

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Which YARN component is responsible for monitoring the success or failure of a Container?

**Options:**

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- A- ResourceManager
- B- ApplicationMaster
- C- NodeManager
- D- JobTracker

**Answer:**

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B

## Question 4

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**Question Type: MultipleChoice**

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Which one of the following statements regarding the components of YARN is FALSE?

**Options:**

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- A- A Container executes a specific task as assigned by the ApplicationMaster

- B-** The ResourceManager is responsible for scheduling and allocating resources
- C-** A client application submits a YARW job to the ResourceManager
- D-** The ResourceManager monitors and restarts any failed Containers

**Answer:**

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D

## Question 5

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**Question Type:** MultipleChoice

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Which one of the following statements describes the relationship between the ResourceManager and the ApplicationMaster?

**Options:**

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- A-** The ApplicationMaster requests resources from the ResourceManager
- B-** The ApplicationMaster starts a single instance of the ResourceManager
- C-** The ResourceManager monitors and restarts any failed Containers of the ApplicationMaster
- D-** The ApplicationMaster starts an instance of the ResourceManager within each Container

**Answer:**

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A

## Question 6

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**Question Type: MultipleChoice**

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Which one of the following statements describes the relationship between the NodeManager and the ApplicationMaster?

**Options:**

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- A-** The ApplicationMaster starts the NodeManager in a Container
- B-** The NodeManager requests resources from the ApplicationMaster
- C-** The ApplicationMaster starts the NodeManager outside of a Container
- D-** The NodeManager creates an instance of the ApplicationMaster

**Answer:**

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D

## Question 7

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**Question Type:** MultipleChoice

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What are the TWO main components of the YARN ResourceManager process? Choose 2 answers

**Options:**

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- A- Job Tracker
- B- Task Tracker
- C- Scheduler
- D- Applications Manager

**Answer:**

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C, D

## Question 8

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**Question Type:** MultipleChoice

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Which one of the following statements is true regarding a MapReduce job?

**Options:**

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- A-** The job's Partitioner shuffles and sorts all (key.value) pairs and sends the output to all reducers
- B-** The default Hash Partitioner sends key value pairs with the same key to the same Reducer
- C-** The reduce method is invoked once for each unique value
- D-** The Mapper must sort its output of (key.value) pairs in descending order based on value

**Answer:**

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A

## Question 9

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**Question Type:** MultipleChoice

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What is the term for the process of moving map outputs to the reducers?



**Options:**

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- A- Reducing
- B- Combining
- C- Partitioning
- D- Shuffling and sorting

**Answer:**

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D

## Question 10

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**Question Type: MultipleChoice**

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Which one of the following statements is FALSE regarding the communication between DataNodes and a federation of NameNodes in Hadoop 2.0?

**Options:**

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- A- Each DataNode receives commands from one designated master NameNode.

- B-** DataNodes send periodic heartbeats to all the NameNodes.
- C-** Each DataNode registers with all the NameNodes.
- D-** DataNodes send periodic block reports to all the NameNodes.

**Answer:**

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A

## Question 11

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**Question Type:** MultipleChoice

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In Hadoop 2.0, which TWO of the following processes work together to provide automatic failover of the NameNode? Choose 2 answers

**Options:**

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- A-** ZKFailoverController
- B-** ZooKeeper
- C-** QuorumManager
- D-** JournalNode

**Answer:**

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B, C

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