

## P2090-038<sup>Q&As</sup>

IBM InfoSphere BigInsights Technical Mastery Test v2

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**QUESTION 1**

Which of the following methods can be used by Cognos to connect with InfoSphere BigInsights? (Choose two)

- A. Connection via the Hive JDBC driver.
- B. Connection via the SPL JDBC driver.
- C. Connection via the Pig JDBC driver.
- D. Connection via the Big SQL JDBC driver.

Correct Answer: AD

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**QUESTION 2**

Which of the following options is CORRECT?

- A. InfoSphere BigInsights is based on a branched Hadoop distribution, and therefore backwards compatibility is not guaranteed.
- B. InfoSphere BigInsights is a distributed file system used as base for Hadoop distributions.
- C. InfoSphere BigInsights is based on the non forked core Hadoop distribution, but backwards compatibility with the Apache Hadoop project is not guaranteed, therefore applications written for Hadoop might not run on BigInsights.
- D. InfoSphere BigInsights is based on the non forked core Hadoop distribution, and backwards compatibility with the Apache Hadoop project will always be maintained. Therefore, all applications written for Hadoop will run on BigInsights.

Correct Answer: D

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**QUESTION 3**

Which of the following components is NOT included in the BigInsights Basic Edition distribution?

- A. Hadoop Distributed File System.
- B. Hive.
- C. Pig.
- D. BigSheets.

Correct Answer: D

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**QUESTION 4**

For maximum stability, the recommended number of dedicated hosts in order to implement the high availability configuration for BigInsights (consisting of the HA manager, the NameNode, and the JobTracker) is:

A. 1

B. 2

C. 3

D. 4

Correct Answer: C

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## QUESTION 5

What is a major difference between HDFS and GPFS-FPO?

A. There is no difference, GPFS-FPO is just IBM version of HDFS in BigInsights.

B. There is no difference, as GPFS-FPO is the new open source standard version for the Hadoop file system.

C. Unlike HDFS, GPFS-FPO is a kernel level, POSIX compliant, and highly available file system that allows for standard applications to also use the storage area marked for Hadoop use.

D. Unlike HDFS, GPFS-FPO is a kernel level, POSIX compliant file system that allows for standard applications to also use the storage area marked for Hadoop use. Like HDFS, GPFS-FPO also has an issue with the meta data name node service which may be a single point of failure.

Correct Answer: C

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## QUESTION 6

Which of the following options DOES NOT describe an advantage of InfoSphere BigInsights on top of regular standalone Hadoop distributions?

A. Integrated install

B. BigSheets

C. Adaptive MapReduce

D. Support to HiveQL and PigLatin languages.

Correct Answer: D

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## QUESTION 7

What are the "Vs" that characterize IBM Big Data initiative?

A. Variety, Versions, Velocity, Volatility

B. Velocity, Volatility, Variety, Veracity

C. Veracity, Variety, Volume, Velocity

D. Volume, Volatility, Velocity, Variety

Correct Answer: C

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**QUESTION 8**

What is Big SQL?

- A. Big SQL is a feature in Data Explorer that allows for indexing of data from SQL sources such as data warehouses.
- B. Big SQL is a feature in BigInsights that allows for native SQL query access for Hadoop, providing full ANSI SQL 92 compliance and standardSQL syntax such as joins, for data contained in a variety of formats such as structured Hive tables, Hbase tables, or csv and other delimitedfiles in HDFS.
- C. Big SQL is a feature in Streams that allows for real time analysis of data via standard SQL syntax.
- D. Big SQL is a feature in BigInsights that provides a SQL like interface to data contained in Hbase tables only. Other data sources in HDFS mustbe accessed via other means such as HiveQL.

Correct Answer: B

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**QUESTION 9**

What is the difference between Hadoop MapReduce and IBM Adaptive MapReduce feature available in InfoSphere BigInsights?

- A. Hadoop Map Reduce is optimized for operating on small files or splits, while IBM Adaptive MapReduce is optimized for operating on largepartitioned files.
- B. Hadoop MapReduce is optimized for operating on large files, while IBM Adaptive MapReduce is configurable to operate optimized on large or small files or splits
- C. Hadoop MapReduce is optimized for operating on small files or splits, while IBM Adaptive MapReduce is optimized for operating on large files stored in individual blocks.
- D. Hadoop MapReduce is optimized for operating on small partitioned tables stored in the HBase component, while IBM? Adaptive MapReduceis optimized for operating on large partitioned files.

Correct Answer: B

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**QUESTION 10**

Which of the following InfoSphere BigInsights features provides a vast library of extractors enabling actionable insights from large amounts of native textual data?

- A. Text Analytics.
- B. Adaptive MapReduce.
- C. General Parallel File System.

D. BigSheets.

Correct Answer: A

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