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# C2090-102

IBM Big Data Architect

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**QUESTION 1**

As an Independent Software Vendor (ISV), you are tasked with creating a solution to harness the big data to better understand customer sentiments around your client's product. In order to develop a solution, you want to select the software components that are going to provide the most compatibility with new open source components. In addition to Hadoop and any other software components you may need, which one of the following would you select that is part of the initial release of the Open Data Platform (ODP)?

- A. Spark
- B. Ambari
- C. Hive
- D. HBase

**Answer: B**

**QUESTION 2**

As data architect, understanding where patient data resides, how is it related, and how you define security and privacy policies requires knowledge of each of the following?

- A. PII Data
- B. HIPAA Requirements
- C. Privacy by design
- D. Data storage in HDFS

**Answer: B**

**QUESTION 3**

Which of the following is true about Cloudant?

- A. It is a byte-value store
- B. It is available as a database-as-a-service (DBaaS)
- C. It runs remotely in the cloud and not on a local system

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D. It offers SQL access to data

**Answer: B**

#### **QUESTION 4**

Which of the following statements is TRUE regarding cloud based solutions?

- A. In a Platform as a Service Cloud deployment, the customer chooses the operating system they want to use
- B. Automated recovery from hardware or network failures is not possible in a public cloud implementation, only in a private clouds
- C. There are benefits to use the cloud even for small-scale applications
- D. Using firewalls to create network boundaries is sufficient for ensuring cloud security

**Answer: C**

#### **QUESTION 5**

SPSS and BigInsights integration is enabled by which of the following?

- A. SPSS Analytic Server
- B. InfoSphere DataStage
- C. SPSS Modeler
- D. SPSS Collaboration & Deployment Services

**Answer: A**

#### **QUESTION 6**

Which one of the following statements about Big SQL is NOT TRUE?

- A. BIG SQL supports querying data but doesn't support updates and deletes

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- B. BIG SQL is ANSI 2011 Compliant
  - C. BIG SQL is supported to work with Cloudera
  - D. BIG SQL supports Fluid Query

**Answer:** A

#### **QUESTION 7**

A financial company stores all enterprise data for five years in their Teradata data warehouse that costs them expensive storage. The company started an initiative to move historical data to a Hadoop environment and uses federation method to access both sets of data. What would be the IBM Big Data value proposition for this use case?

- A. IBM Logical Data Warehouse and IBM Big SQL
- B. Enterprise Data Warehouse
- C. Pure Data for Analytics
- D. InfoSphere Information Server

**Answer:** A

#### **QUESTION 8**

Company A has decided to implement a new data system to support their rapidly growing business. They have an existing 20 TB worth of raw data, with an expected weekly incoming rate of 50 GB of new raw data. The data is mostly text based and unstructured. A typical query can involve pulling in 10 GB of data. Historically, performance has been an issue and currently needs to be addressed. Which of the following would you suggest to support these requirements?

- A. Set up a Hadoop system with commodity HW for scalability
- B. Utilize de-duplication and compression technology
- C. Use a mixture of different disk-types to provide hot/cold storage
- D. Create range partitions for the data