

C2090-101^{Q&As}

IBM Big Data Engineer

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QUESTION 1

Which of the following statements regarding importing streaming data from InfoSphere Streams into Hadoop is TRUE?

- A. InfoSphere Streams can only write to HDFS not read from HDFS
- B. InfoSphere Streams can only write directly to BigInsights, not other Hadoop distributions like Hortonworks or Cloudera
- C. A Streams developer needs to account for the fact that BigInsights may not be able to absorb the incoming streams at the rate InfoSphere Streams is sending them
- D. Adding a Big Data toolkit operator (for writing to Hadoop) to an InfoSphere Streams Processing Language (SPL) application requires that the SPL application be recompiled

Correct Answer: B

Reference: https://books.google.com.pk/books?id=6BmLCwAAQBAJandpg=PA15andlpg=PA15anddq=InfoSphere+Streams+can+only+write+directly+to+BigInsights,+not+other+Hadoop+distributions+like+Hortonworks+or+Clouderaandsource=blandots=bAX5_-opwFandsig=ACfU3U2rhwLKLEes37evjJfMzxYMLP7NxQandhl=enandsa=Xandved=2ahUKEwi6gY2soffoAhWIzaQKHREADDkQ6AEwAHoECBcQJg#v=onepageandq=InfoSphere%20Streams%20can%20only%20write%20directly%20to%20BigInsights%2C%20not%20other%20Hadoop%20distributions%20like%20Hortonworks%20or%20Clouderaandf=false

QUESTION 2

Which of the following is most commonly used by Hadoop to move data between clusters?

- A. Pig
- B. FTP
- C. JAQL
- D. distcp

Correct Answer: D

Reference: <https://developer.ibm.com/hadoop/2016/02/05/fast-can-data-transferred-hadoop-clustersusing-distcp/>

QUESTION 3

Which is a benefit of row oriented table design?

- A. When writing a new row, if all of the row data is supplied at the same time the entire row can be written with a single disk seek
- B. When columns of a single row are required at the same time, the entire row can be retrieved with a single disk seek regardless of row size

C. When new values of a column are supplied for all rows at once, that column data can be written efficiently and replace old column data without touching any other columns for the rows

D. When an aggregate needs to be computed over many rows but only a notably smaller subset of all columns of data, reading that smaller subset of data can be faster than reading all data

Correct Answer: B

Reference: <http://www.ijoart.org/docs/Column-Oriented-Databases-to-Gain-High-Performance-for-DataWarehouse-System.pdf> (7)

QUESTION 4

Considering the following properties:

1.
Automated creation of target database schema and bulk extract and load
2.
Real-time replication subscriptions (with CDC)
3.
Managed workload for optimized performance of potentially thousands of artifacts
4.
Ensured governance around both data access as well as for metadata capture (to support data lineage and impact assessment)

Which tool supports all of the above?

- A. Pig
- B. JAQL
- C. Data Click
- D. BigSheets

Correct Answer: A

Reference: http://meta7.forsythe.com/_wss/clients/508/news_feed/20151130202508951.pdf

QUESTION 5

A Resilient Distributed Dataset is a good solution for which of the following?

- A. A search
- B. An SQL based data transformation

C. A high throughput write oriented use cases

D. An interactive query and iterative algorithms

Correct Answer: D

Reference: <https://www.usenix.org/system/files/conference/nsdi12/nsdi12-final138.pdf>

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