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**QUESTION 1**

You have a "Users" table in HBase and you would like to insert a row that consists of a UserID, "jsmith70" and an email address, "jane@example.com". The table has a single Column Family named "Meta" and the row key will be the user's ID. The shell command you should use to complete this is:

- A. `put `Users`, `jsmith70`, `jane@example.com``
- B. `put `Users`, `UserID:jsmith70`, `Email:jane@example.com``
- C. `put `Users`, `jsmith70`, `Meta:Email`, `jane@example.com``
- D. `put `Users`, `Meta:UserID`, `jsmith70`, `Meta:Email`, `jane@example.com``

Correct Answer: B

QUESTION 2

Which feature of HBase ensures predictable disk head seek performance within a RegionServer?

- A. Data is stored distributed in HDFS
- B. Data stored in HBase is sparse
- C. Data is stored sorted on row keys
- D. Data is stored as an uninterpreted array of bytes

Correct Answer: C

QUESTION 3

Your client application connects to HBase for the first time and queries the .META. table. What information does the .META. table provide to your client application?

- A. The location of a Region
- B. The location of an MMaster
- C. The location of a ZooKeeper
- D. The location of a ?OOT?able

Correct Answer: A

Reference: [http://hbase.apache.org/book/arch.catalog.html\(9.2.2. Meta\)](http://hbase.apache.org/book/arch.catalog.html(9.2.2. Meta))

QUESTION 4



From within an HBase application, you want to retrieve two versions of a row, if they exist. Where your application should configure the maximum number of versions to be retrieved?

- A. HTableDescriptor
- B. HTable
- C. Get or scan
- D. HColumnDescriptor

Correct Answer: D

Reference: <http://hbase.apache.org/apidocs/org/apache/hadoop/hbase/HColumnDescriptor.html>(search for maxversions)

QUESTION 5

Your client application needs to scan a region for the row key value 104.

Given a store that contains the following list of Row Key values:

100, 101, 102, 103, 104, 105, 106, 107

A bloom filter would return which of the following?

- A. Confirmation that 104 may be contained in the set
- B. Confirmation that 104 is contained in the set
- C. The hash of column family
- D. The file offset of the value 104

Correct Answer: B

QUESTION 6

Your client application calls the following method for all puts to the single table notifications:

```
put.setWriteToWAL, (false);
```

One region, region1, for the notifications table is assigned to RegionServer rs1. Which of the following statements describes the result of RegionServer rs1 crashing?

- A. All data in the notifications table is lost
- B. No data is lost
- C. All data for all tables not flushed to disk on RegionServer rs1 is lost
- D. Data for your client application in the MemStores for region1 is lost



Correct Answer: D

QUESTION 7

You have a key-value pair size of 100 bytes. You increase your HFile block size from its default 64k. What results from this change?

- A. scan throughput increases and random-access latency decreases
- B. scan throughput decreases and random-access latency increases
- C. scan throughput decreases and random-access latency decreases
- D. scan throughput increases and random-access latency increases

Correct Answer: A

QUESTION 8

You want to do a full table scan on your data. You decide to disable block caching to see if this improves scan performance. Will disabling block caching improve scan performance?

- A. No. Disabling block caching does not improve scan performance.
- B. Yes. When you disable block caching, you free up that memory for other operations. With a full table scan, you cannot take advantage of block caching anyway because your entire table won't fit into cache.
- C. No. If you disable block caching, HBase must read each block index from disk for each scan, thereby decreasing scan performance.
- D. Yes. When you disable block caching, you free up memory for MemStore, which improves scan performance.

Correct Answer: B

QUESTION 9

You have a table live in production. The table uses the rowkey. You want to change the existing rowkeys to . Which of the following should you do?

- A. Modify the client application to write to both the old table and a new table while migrating the old data separately
- B. Use the ALTER table command to modify the rowkeys
- C. Use the ASSIGN command to modify the rowkeys
- D. Add a new column to store the user id

Correct Answer: B



QUESTION 10

You have a total of three tables stored in HBase. Exchanging catalog regions, how many regions will your RegionServers have?

- A. Exactly three
- B. Exactly one
- C. At least one
- D. Atleastthree

Correct Answer: B

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