

1Z0-883^{Q&As}

MySQL 5.6 Database Administrator

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QUESTION 1

What are four capabilities of the mysql client program?

- A. Creating and dropping databases
- B. Creating, dropping, and modifying tables and indexes
- C. Shutting down the server by using the SHUTDOWN command
- D. Creating and administering users
- E. Displaying replication status information
- F. Initiating a binary backup of the database by using the START BACKUP command

Correct Answer: BDEF

QUESTION 2

Which High Availability solution can provide a consistent, time-delayed (for example, one hour) snapshot of the live production database?

- A. MySQL Replication
- B. Distributed Replication Block Device
- C. Windows Server Failover Clustering
- D. MySQL Cluster

Correct Answer: A

QUESTION 3

ROW-based replication has stopped working. You investigate the error log file and find the following entries:

```
2013-08-27 14:15:47 9056 [ERROR] Slave SQL: Could not execute Delete_rows event on table test.t1; Can't find record in `t1`, Error_code: 1032; handler error HA_ERR_KEY_NOT_FOUND; the event's master log 56_master-bin.000003, end_log_pos 851, Error_code: 1032 2013-08-27 14:15:47 9056 [warning] Slave: Can't find record in `t1` Error_code: 1032 2013-08-27 14:15:47 9056 [ERROR] Error running query, slave SQL thread aborted. Fix the problem, and restart the slave SQL thread with "SLAVE START". We stopped at log `56_master- bin. 000003` position 684
```

Why did you receive this error?

- A. The slave SQL thread does not have DELETE privileges to execute on test.t1 table.s
- B. The table definition on the slave -litters from the master.
- C. Multi-threaded replication slaves can have temporary errors occurring for cross database updates.

D. The slave SQL thread attempted to remove a row from the test.t1 table, but the row did not exist.

Correct Answer: D

QUESTION 4

Which two are true regarding MySQL binary and text backups?

- A. Binary backups are usually faster than text backups.
- B. Binary backups are usually slower than text backups.
- C. Text backups are human-readable while binary backups are not.
- D. Binary backups are not portable across different operating systems.

Correct Answer: CD

QUESTION 5

Consider the Mysql Enterprise Audit plugin.

A CSV file called data.csv has 100 rows of data.

The stored procedure prepare_db () has 10 auditable statements.

You run the following statements in the mydb database:

```
Mysql> CALL prepare_db ( );
```

Mysql> LOAD DATA INFILE '/tmp/data.csv' INTO TABLE mytable; Mysql> SHOW TABLES; How many events are added to the audit log as a result of the preceding statements?

- A. 102; top-level statements are logged, but LOAD DATA INFILE is logged as a separate event.
- B. 3; only the top-level statements are logged.
- C. 111; top-level statements and all lower-level statements are logged.
- D. 12; only top-level statements and stored procedure events are logged.

Correct Answer: B

QUESTION 6

You have been notified that the 'apps' . 'reports' table has been accidentally truncated.

You have single file mysqldump backup available taken prior to the truncate. The backup contains all the tables from the instance, and the 'apps' . 'reports' table must be restored without affecting the other remaining databases and tables.

Which restore option is suitable in this scenario?

- A. Restore the backup to another databases instance and obtain a copy of the reports table individually.
- B. Extract the `apps` . `reports` table from the backup using the SOURCE command.
- C. Execute LOAD DATA INFILE `backup.sql` SCHEMA=`apps` TABLE= `reports`
- D. Execute mysqldump on the backup.sql file and apply filter arguments to obtain only the `apps` . `reports` table.

Correct Answer: B

QUESTION 7

A user has deleted the wrong row in a table and you are preparing a point-in-time recovery skipping the DELETE event.

The server is configured with:

Variable_name	Value
Enforce_gtid_consistency	NO
gtid_mode	NO

You have identified that the DELETE statement to skip has the Global Transaction Identifier (GTID)

`dbbe7da-fe25-11e2-b6c7-0800274aa49e:5` and you replay the binary log with:

```
Mysqlbinlog exclude-gtids=\\`dbbe07da-fe25-11e2-b6c7-0800274aa49e:5\\` binlog.000002 | mysql
```

However all events were skipped instead of just the one deleting the wrong row.

What is the reason for this?

- A. Mysqlbinlog ignores arguments to exclude-gtids-it means ignore all events with GTIDs.
- B. The server keeps track of which GTIDs have already been executed and skips those.
- C. Enforce_gtid_consistency is set to ON.
- D. Gtid_mode must be set to AUTO during point in time recoveries.

Correct Answer: B

QUESTION 8

You have a login-path named "adamlocal" that was created by using the mysql_config_editor command.

You need to check what is defined for this login_path to ensure that it is correct for you deployment.

You execute this command:

```
$ mysql_config_editor print login-path=adamlocal
```

What is the expected output of this command?

- A. The command prints all parameters for the login-path. The password is printed in plain text.
- B. The command prints all parameters for the login-path. The password is shown only when you provide the password option.
- C. The command prints all parameter for the login-path. The password is replaced with stars.
- D. The command prints the encrypted entry for the login-path. The is only possible to see if an entry exists.

Correct Answer: C

QUESTION 9

Consider the MySQL Enterprise Audit plugin.

On attempting to start the MySQL service after a crash, notice the following error:

[ERROR] Plugin `audit_log` init function returned error.

In the audit log file, you notice the final entry:

...

What action should you take to fix the error and allow the service to start?

- A. Re-install the audit plugin.
- B. Execute the command FLUSH LOGS.
- C. Execute the command SET GLOBAL audit_log_flush= ON.
- D. Move or rename the existing audit.log file.

Correct Answer: B

QUESTION 10

Which two statements describe the behavior of the server's SQL mode?

- A. The server's SQL mode determines how the server should behave when performing data validation check and interpreting different forms of syntax.
- B. The server's SQL mode determines whether the server should be read-only or should accept commands such as INSERT and UPDATE.
- C. The server's SQL mode can be changed at the session level with a SET SESSION sql_mode="new_value" command.
- D. The server's SQL mode, when globally set on a slave server, applies to events sent from the master.

Correct Answer: AC

QUESTION 11

You have table `apps\`,\`userdata\` on server that uses MyISAM storage engine. You want to transfer this data to server but use InnoDB engine instead.

You execute the following commands:

```
ServerB commands: Shell> mysqldump u root h server no-data apps userdata | mysql u root p apps Shell> mysql u root p h server e `ALTER TABLE `apps\`,\`userdata\` ENGINE=InnoDB;\` Shell> mysqldump u root p h server no-create-info order-by-primary apps userdata | mysql u root p apps
```

What effect does the order-by-primary argument have on the mysqldump command?

- A. It exports tables with the most indexes first to assist with import speeds.
- B. It ensures that unique indexes have no conflicts when the data is dumped.
- C. It orders by primary key to assist in speeding up importing to InnoDB tables.
- D. It must be specified so index data is dumped correctly when on-create-info is used.

Correct Answer: C

QUESTION 12

An existing master-slave setup is currently using a delayed replication of one hour. The master has crashed and the slave must be "rolled forward" to provide all the latest data.

The SHOW SLAVE STATUS indicates the following values:

RELAY_LOG_FILE = hostname-relay-bin.00004 RELAY_LOG_POS = 1383 Which command set would make the slave current?

- A. STOP SLAVE; CHANGE MASTER TO MASTER_DELAY=0; START SLAVE;
- B. STOP SLAVE; CHANGE MASTER TO MASTER_DELAY =0, RELAY_LOG_FILE = `hostname-relaybin.00004\`, RELAY_LOG_POS = 1383;
- C. STOP SLAVE; CHANGE MASTER TO RELAY_LOG_FILE = `hostname-relay-bin.00004\`, RELAY_LOG_POS = 1383;
- D. STOP SLAVE; SET GLOBAL master_delay =0; START SLAVE;

Correct Answer: A

QUESTION 13

An employee cannot access the company database. You check the connection variables: Mysql> SHOW GLOBAL VARIABLES LIKE `%connect%\`;

Variable_name	Value
...	
Connect_timeout	10
Init_connect	
Max_connect_errors	10
Max_connections	10
Max_user_connections	10

8 rows in set (0.00 sec)

A look at the user privileges shows:

```
GRANT... TO `bob`@\`%, example.com\` WITH MAX_USER_CONNECTIONS 0; GRANT... TO `key`@\`%, example.com\` WITH MAX_USER_CONNECTIONS 1; GRANT... TO `joe`@\`%, example.com\` WITH MAX_USER_CONNECTIONS 50;
```

What is a valid explanation for why one of the users is unable to connect to the database?

- A. Bob has max_user_connections set to zero, which blocks all his connections
- B. Joe has exceeded the max_user_connections global limit.
- C. All users are blocked because max_user_connections is accumulated over the host account information.
- D. Kay is already connected elsewhere and attempting to log in again.
- E. Connect_timeout is too small to allow a connection to occur.

Correct Answer: A

QUESTION 14

A MySQL replication slave is set up as follows: User all InnoDB tables Receives ROW-based binary logs Has the read-only option

The replication slave has been found in an error state.

You check the MySQL error log file and find the following entries:

```
2013-08-27 13:55:44 9056 [ERROR] Slave SQL: Could not execute Write_rows event on table test.tl; Duplicate entry `3` for key `PRIMARY` , Error_code: 1062; handler error HA_ERR_FOUND_DUPP_KEY; the event's master log 56_master-bin.000003, end_log_pos 653, Error_code: 1062 2013-08-27 13:55:44 9056 [Warning] Slave: Duplicate entry `3` for key `PRIMARY` Error_code: 1062 2013-08-27 13:55:44 9056 [ERROR] Error running query, slave SQL thread aborted. Fix the problem, and restart the slave SQL thread with "SLAVE START", We stopped at log `56_master-bin.000003` position
```

What are two possible causes for this error to occur?

- A. The slave was created with `mysqldump u root p skip-lock-table--all-databases > /data/data.sql`
- B. The slave user does have INSERT, UPDATE, or DELETE permission and cannot execute the write_rows function.

- C. For tables with UNIQUE keys, statement-based replication must be used maintain integrity.
- D. The root user on the slave has executed FLUSH LOGS, causing the relay-log to doublewrite.
- E. The applications have the SUPER privilege, which allows them to update rows.

Correct Answer: AE

QUESTION 15

Which two options describe how MySQL Server allocates memory?

- A. Each thread allocates memory from a global pool.
- B. Global memory resources are allocated at server startup.
- C. Thread memory is pre-allocated up to thread_cache_size for performance.
- D. Each connection may have its own per-thread memory allocations.

Correct Answer: BD

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