DUMPSARENA

MySQL 8.0 Database Administrator

Oracle 1z0-908

Version Demo

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QUESTION NO: 1

Examine these commands and output:

```
mysql> SHOW FULL PROCESSLIST;
+----+-----------------+...+---------------------------------+-------------------------------+
| Id | User            |...| State                           | Info                          |
+----+-----------------+...+---------------------------------+-------------------------------+
|  6 | event_scheduler |...| Waiting on empty queue          | NULL                          |
| 20 | root            |...|                                 | NULL                          |
| 21 | root            |...|                                 | NULL                          |
| 22 | root            |...| Waiting for table metadata lock | optimize table test.demo_test |
| 24 | root            |...| Waiting for table metadata lock | select * from test.demo_test  |
| 25 | root            |...| starting                        | SHOW FULL PROCESSLIST         |
+----+-----------------+...+---------------------------------+-------------------------------+

mysql> SELECT object_type, object_schema, object_name, lock_type, lock_status, owner_thread_id, owner_event_id
    -> FROM performance_schema.metadata_locks WHERE object_schema != 'performance_schema';
+-------------+---------------+-------------+---------------------+-------------+-----------------+----------------+
| OBJECT_TYPE | OBJECT_SCHEMA | OBJECT_NAME | LOCK_TYPE           | LOCK_STATUS | OWNER_THREAD_ID | OWNER_EVENT_ID |
+-------------+---------------+-------------+---------------------+-------------+-----------------+----------------+
| TABLE       | test          | demo_test   | SHARED_READ         | GRANTED     |              60 |              7 |
| TABLE       | test          | demo_test   | SHARED_WRITE        | GRANTED     |              60 |              9 |
| SCHEMA      | test          | NULL        | INTENTION_EXCLUSIVE | GRANTED     |              62 |              6 |
| TABLE       | test          | demo_test   | SHARED_NO_READ_WRITE | PENDING    |              62 |              6 |
+-------------+---------------+-------------+---------------------+-------------+-----------------+----------------+

mysql> SELECT thread_id, processlist_id, processlist_user, parent_thread_id
    -> FROM performance_schema.threads WHERE processlist_user='root';
+-----------+----------------+-----------------+-----------------+
| THREAD_ID | PROCESSLIST_ID | PROCESSLIST_USER | PARENT_THREAD_ID |
+-----------+----------------+-----------------+-----------------+
|        60 |             20 | root            |            NULL |
|        61 |             21 | root            |            NULL |
|        62 |             22 | root            |               1 |
|        64 |             24 | root            |               1 |
|        65 |             25 | root            |            NULL |
+-----------+----------------+-----------------+-----------------+
```

Which connection ID is holding the metadata lock?

A. 20

B. 24

C. 21

D. 25

E. 22

F. 6

ANSWER: D

QUESTION NO: 2

Examine this command, which executes successfully:

shell> mysqldump --master-data=2 --single-transaction --result-file=dump.sql mydb

Which two statements are true? (Choose two.)

A. It executes flush tables with read lock.

B. It enforces consistent backups for all storage engines.

C. The backup created is a consistent data dump.

D. This option uses the READ COMMITTED transaction isolation mode.

E. It is a cold backup.

ANSWER: A D

Explanation:

Reference: https://dev.mysql.com/doc/refman/5.7/en/mysqldump.html#option_mysqldump_single-transaction

QUESTION NO: 3

Your MySQL server is running on the Microsoft Windows platform.

Which three local connection protocols are available to you? (Choose three.)

A. named pipes

B. shared memory

C. SOCKET

D. X Protocol

E. UDP

F. TCP/IP

ANSWER: A B F

Explanation:

Reference: https://docs.oracle.com/cd/E17952_01/mysql-8.0-en/mysql-installer-workflow.html

QUESTION NO: 4

There are five MySQL instances configured with a working group replication.

Examine the output of the group members:

```
mysql> SELECT MEMBER_ID,MEMBER_STATE FROM performance_schema.replication_group_members;
+--------------------------------------+--------------+
| MEMBER_ID                            | MEMBER_STATE |
+--------------------------------------+--------------+
| 1999b9fb-4aaf-11e6-bb54-28b2bd168d07 | UNREACHABLE  |
| 199b2df7-4aaf-11e6-bb16-28b2bd168d07 | ONLINE       |
| 199bb88e-4aaf-11e6-babe-28b2bd168d07 | ONLINE       |
| 19ab72fc-4aaf-11e6-bb51-28b2bd168d07 | UNREACHABLE  |
| 19b33846-4aaf-11e6-ba81-28b2bd168d07 | UNREACHABLE  |
+--------------------------------------+--------------+
```

Which two statements are true about network partitioning in the cluster? (Choose two.)

A. The cluster will shut down to preserve data consistency.

B. The cluster has built-in high availability and updates group_replication_ip_whitelist to remove the unreachable nodes.

C. The group replication will buffer the transactions on the online nodes until the unreachable nodes return online.

D. There could be both a 2 node and 3 node group replication still running, so shutting down group replication and diagnosing the issue is recommended.

E. A manual intervention to force group members to be only the working two instances is required.

ANSWER: A B

QUESTION NO: 5

What does the binlog dump thread do?

A. It monitors and schedules the rotation/deletion of the binary logs.

B. It reads the relay log and executes the events contained in them.

C. It acquires a lock on the binary log for reading each event to be sent to the slave.

D. It connects to the master and asks it to send updates recorded in its binary logs.

ANSWER: D

Explanation:

Reference: https://blogs.oracle.com/mysql/what-causes-replication-lag-v2#:~:text=The%20Binlog%20Dump%20Thread.,contents%20of%20its%20binary%20log.&text=The%20slaves%20creates%20this%20SQL,log%20and%20apply%20its%20contents.

QUESTION NO: 6

Examine this snippet from the binary log file named binlog.000036:

```
# at 500324
#191120 14:55:16 server id 1  end_log_pos 500453 CRC32 0x98159515      Query   thread_id=9    exec_time=2
error_code=0    Xid = 1106
SET TIMESTAMP=1574222116/*!*/;
DROP TABLE `rental` /* generated by server */
/*!*/;
```

The rental table was accidentally dropped, and you must recover the table.

You have restored the last backup, which corresponds to the start of the binlog.000036 binary log.

Which command will complete the recovery?

A. mysqlbinlog --stop-position=500324 binlog.000036 | mysql

B. mysqlbinlog --stop-datetime='2019-ll-20 14:55:18' binlog.000036 | mysql

C. mysqlbinlog --stop-position=5004S3 binlog.000036 | mysql

D. mysqlbinlog --stop-datetime='2019-ll-20 14:55:16' binlog.000036 | mysql

ANSWER: D

QUESTION NO: 7

A user wants to connect without entering his or her username and password on the Linux command prompt.

Which three locations can be used to store the user's mysql credentials to satisfy this requirement? (Choose three.)

A. $HOME/.my.cnf file

B. $MYSQL_HOME/my.cnf file

C. DATADIR/mysqld-auto.cnf file

D. $HOME/.mylogin.cnf file

E. $HOME/.mysql/auth/login file

F. /etc/my.cnf file

G. $HOME/.mysqlrc file

ANSWER: B C F

Explanation:

Reference: https://dev.mysql.com/doc/refman/8.0/en/option-files.html

QUESTION NO: 8

On examination, your MySQL installation datadir has become recursively world read/write/executable.

What are two major concerns of running an installation with incorrect file privileges? (Choose two.)

A. Users could overwrite configuration files.

B. Data files could be deleted.

C. SQL injections could be used to insert bad data into the database.

D. MySQL binaries could be damaged, deleted, or altered.

E. Extra startup time would be required for the MySQL server to reset the privileges.

ANSWER: B E

QUESTION NO: 9

Examine this partial output for InnoDB Cluster status:

Which statement explains the state of the instance deployed on host2?

A. It can be recovered from a donor instance on host3 by cloning using the command cluster.rejoinInstance ('@host3:3377')

B. It can rejoin the cluster by using the command cluster.addInstance('@host3:3377')

C. It has been removed from the cluster by using the command STOP GROUP_REPLICATION;

D. It can rejoin the cluster by using the command dba.rebootClusterFromCompleteOutage()

E. It has been expelled from the cluster because of a transaction error.

ANSWER: D

QUESTION NO: 10

Examine this output:

```
mysql> SELECT FORMAT_BYTES(@@global.innodb_buffer_pool_size) AS BufferPoolSize,
    @@global.innodb_buffer_pool_instances AS NumInstances,
    FORMAT_BYTES(@@global.innodb_buffer_pool_chunk_size) AS ChunkSize;
+----------------+--------------+------------+
| BufferPoolSize | NumInstances | ChunkSize  |
+----------------+--------------+------------+
| 12.00 GiB      |            8 | 128.00 MiB |
+----------------+--------------+------------+

mysql> SELECT * FROM sys.metrics WHERE Variable_name LIKE 'Threads%';
+-------------------+----------------+---------------+---------+
| Variable_name     | Variable_value | Type          | Enabled |
+-------------------+----------------+---------------+---------+
| threads_cached    | 4              | Global Status | YES     |
| threads_connected | 32             | Global Status | YES     |
| threads_created   | 112            | Global Status | YES     |
| threads_running   | 16             | Global Status | YES     |
+-------------------+----------------+---------------+---------+
4 rows in set (0.06 sec)
```

Which change should optimize the number of buffer pool instances for this workload?

A. Increase the number of buffer pool instances to 16.

B. Increase the number of buffer pool instances to 32.

C. Decrease the number of buffer pool instances to 1.

D. Increase the number of buffer pool instances to 12.

E. Decrease the number of buffer pool instances to 4.

ANSWER: B