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MySQL 8.0 Database Administrator

Oracle 1z0-908

Version Demo

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QUESTION NO: 1

You are having performance issues with MySQL instances. Those servers are monitored with MySQL Enterprise Monitor.

Using Query Analyzer, where do you begin to look for problem queries?

A. Sort the "Exec" column and check for SQL queries with low Query Response Time index (QRTi) values.

B. Look for queries with low total latency times in the Latency section in the times series graph.

C. Look for queries with big prolonged spikes in row activity/access graph in the times series graph.

D. Sort the "Exec" column and check for SQL queries with high Query Response Time index (QRTi) values.

ANSWER: C

QUESTION NO: 2

A valid raw backup of the shop.customers MyISAM table was taken.

You must restore the table.

You begin with these steps:

1. Confirm that secure_file_priv='/var/tmp'

2. mysql> DROP TABLE shop.customers;

3. shell> cp /backup/customers.MY* /var/lib/mysql/shop/

Which two actions are required to complete the restore? (Choose two.)

A. shell> cp /backup/customers.sdi /var/tmp

B. shell> cp /backup/customers.sdi /var/lib/mysql/shop/

C. mysql> SOURCE '/var/tmp/customers.sdi'

D. mysql> IMPORT TABLE FROM /var/tmp/customers.sdi

E. shell> cp /backup/customers.frm /var/lib/mysql/shop/

F. mysql> IMPORT TABLE FROM /var/lib/mysql/shop/customers.sdi

G. mysql> ALTER TABLE shop.customers IMPORT TABLESPACE

H. mysql> ALTER TABLE shop.customers DISCARD TABLESPACE

ANSWER: D G

QUESTION NO: 3

Which statement is true about cold backups?

A. They are backups taken from snapshots of a running database.

B. They are backups taken from OS copy commands.

C. They are good to use if only data structures must be backed up but not log files.

D. They are good to use when many users are online accessing the database.

ANSWER: A

QUESTION NO: 4

Examine this query and output:

```
mysql> EXPLAIN ANALYZE
        SELECT city.CountryCode, country.Name AS Country_Name,
               city.Name, city.District, city.Population
          FROM world.city
               INNER JOIN world.country ON country.Code = city.CountryCode
         WHERE country.Continent = 'Asia'
               AND city.Population > 1000000
         ORDER BY city.Population DESC\G

*************************** 1. row ***************************
EXPLAIN:
-> Sort: <temporary>.Population DESC (actual time=8.306..8.431 rows=125 loops=1)
    -> Stream results (actual time=0.145..8.033 rows=125 loops=1)
        -> Nested loop inner join (cost=241.12 rows=205) (actual time=0.141..7.787 rows=125 loops=1)
            -> Filter: (world.country.Continent = 'Asia') (cost=25.40 rows=34) (actual time=0.064..0.820 rows=51 loops=1)
                -> Table scan on country (cost=25.40 rows=239) (actual time=0.059..0.359 rows=239 loops=1)
            -> Filter: (world.city.Population > 1000000) (cost=4.53 rows=6) (actual time=0.030..0.131 rows=2 loops=51)
                -> Index lookup on city using CountryCode (CountryCode=world.country.`Code`) (cost=4.53 rows=18) (actual
time=0.023..0.096 rows=35 loops=51)

1 row in set (0.0094 sec)
```

Which two statements are true? (Choose two.)

A. The country table is accessed as the first table, and then joined to the city table.

B. It takes more than 8 milliseconds to sort the rows.

C. The optimizer estimates that 51 rows in the country table have Continent = 'Asia'.

D. 35 rows from the city table are included in the result.

E. The query returns exactly 125 rows.

ANSWER: C D

QUESTION NO: 5

Examine this command, which executes successfully:

$ mysqlrouter --bootstrap user@hostname:port --directory=directory_path

Which activity is performed?

A. MySQL Router is configured based on the information in files in directory_path.

B. MySQL Router configures itself based on the information retrieved from the InnoDB cluster metadata server.

C. MySQL Router is restarted.

D. MySQL Router configures all the cluster nodes based on the information retrieved from the InnoDB cluster metadata server.

ANSWER: B

Explanation:

Reference: https://dev.mysql.com/doc/mysql-router/8.0/en/mysqlrouter.html

QUESTION NO: 6

Which two methods allow a DBA to reset a user's password? (Choose two.)

A. ALTER USER statement

B. mysql_secure_installation utility

C. SET PASSWORD statement

D. mysqladmin client program

E. GRANT statement

ANSWER: A C

QUESTION NO: 7

Which three settings control global buffers shared by all threads on a MySQL server? (Choose three.)

A. sort_buffer_size

B. key_buffer_size

C. table_open_cache

D. read_buffer_size

E. innodb_buffer_pool_size

F. tmp_table_size

ANSWER: A B F

Explanation:

Reference: https://docs.oracle.com/cd/E17952_01/mysql-5.7-en/server-system-variables.html

QUESTION NO: 8

Your MySQL environment has asynchronous position based-replication with one master and one slave.

The slave instance had a disk I/O problem, so it was stopped.

You determined that the slave relay log files were corrupted and unusable, but no other files are damaged.

You restart MySQL Server.

How can replication be restored?

A. The slave relay logs should be deleted; then execute START SLAVE;

B. The relay logs from the master should be used to replace the corrupted relay logs.

C. The slave relay logs should be deleted; execute CHANGE MASTER to adjust the replication relay log file name, then issue start SLAVE;

D. The slave needs to be restored from backup.

ANSWER: B

QUESTION NO: 9

Examine this command and output:

```
mysql> SHOW GLOBAL STATUS LIKE 'Firewall%';
+-----------------------------+-------+
| Variable_name               | Value |
+-----------------------------+-------+
| Firewall_access_denied      | 7     |
| Firewall_access_granted     | 4     |
| Firewall_access_suspicious  | 3     |
| Firewall_cached_entries     | 11    |
+-----------------------------+-------+
```

Which statement is true?

A. Firewall_cached_entries is the number of statements found in the query cache for users in DETECTING mode.

B. Firewall_access_denied is the number of connection attempts from prohibited hosts that are denied.

C. Firewall_access_suspicious is the number of statements logged as suspicious for users in DETECTING mode.

D. Firewall_access_granted is the number of connections granted from whitelisted hosts.

ANSWER: C

QUESTION NO: 10

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