

# 1Z0-908<sup>Q&As</sup>

MySQL 8.0 Database Administrator

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### QUESTION 1

An attempt to recover an InnoDB Cluster fails.

Examine this set of messages and responses:

```
host3:3377 ssl JS > dba.rebootClusterFromCompleteOutage() Reconfiguring the default cluster from complete outage...
```

The instance `host1:3377` was part of the cluster configuration. Would you like to rejoin it to the cluster? [y/N]: y

The instance `host2:3377` was part of the cluster configuration. Would you like to rejoin it to the cluster? [y/N]: y

DbarebootClusterFromCompleteOutage: The active session instance isn't the most updated in comparison with the ONLINE instances of the Cluster's metadata. Please use the most up to date instance: `host1:3377`. (RuntimeError)

Which statement is true?

- A. The instance deployed on host3 must be rebuilt with a backup from the primary instance.
- B. The cluster is running and there is at least one ONLINE instance.
- C. The instance deployed on host3 must be synchronized from a donor deployed on host1 by using the command `cluster.addInstance('host1:3377')`.
- D. It is possible to determine the most up-to-date instance by comparing different global transaction identifier (GTID) sets with `GTID_SUBSET(set1,set2)`.
- E. The active session instance is invalid and must be re-created by using the command `shell.connect ('host3:3377')`.

Correct Answer: C

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### QUESTION 2

You are backing up raw InnoDB files by using `mysqlbackup`.

Which two groups of files will be backed up during a full backup? (Choose two.)

- A. `ibbackup` files
- B. `*.CSM` files
- C. `*.sdi` files
- D. `*.ibd` files
- E. `ib_logfile*` files

Correct Answer: DE

Reference: <https://dev.mysql.com/doc/mysql-backup-excerpt/5.7/en/innodb-backup.html>

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**QUESTION 3**

You have a MySQL system with 500 GB of data that needs frequent backups.

You use a mix of MyISAM and InnoDB storage engines for your data. Examine your backup requirement:

The MySQL system being backed up can never be unavailable or locked to the client applications.

The recovery from the backup must work on any system. Only 1 hour of data can be lost on recovery of the backup.

Which option fulfills all backup requirements?

- A. Take a physical backup of the MySQL system.
- B. Use the Clone Plugin to copy the data to another MySQL system.
- C. Take a logical backup of the MySQL system.
- D. Take your backup from a slave of the MySQL system.

Correct Answer: C

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**QUESTION 4**

You have configured MySQL Enterprise Monitor to monitor your MySQL server.

Which four features are available? (Choose four.)

- A. starting and stopping the MySQL instance
- B. tracing import and export with mysqldump
- C. deploying the MySQL agent on supported target operating system
- D. creating e-mail alerts and SNMP traps for MySQL warnings
- E. monitoring the availability of the MySQL instance
- F. analyzing executed MySQL queries
- G. monitoring of NDB Cluster API nodes

Correct Answer: BDEF

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**QUESTION 5**

You have a MySQL client installed on your Linux workstation with a default installation. You have your admin login credentials to connect to a MySQL server running Microsoft Windows on remote host 192.0.2.1:3306. You wish to connect directly to the world database.

Which four options need to be specified to complete this task with a single command? (Choose four.)

- A. --shared-memory-base-name=world

- B. --protocol=UDP
- C. --protocol=pipe
- D. --password
- E. --user=admin
- F. --host=192.0.2.1
- G. --socket=/tmp/mysql.sock
- H. --port=3306
- I. --database=world

Correct Answer: ACDF

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#### QUESTION 6

Examine this command, which executes successful mysqlbackup --defaults-file=/backups/server-my.cnf --backup-dir=/backups/full copy-back Which statement is true about the copy-back process?

- A. The copy-back process is used to overwrite a new backup over an existing backup.
- B. It restores files from the data directory to their original MySQL server locations.
- C. It restores files from the backup directory to their original MySQL server locations.
- D. The copy-back process makes inconsistent backups.

Correct Answer: AC

Reference: <https://dev.mysql.com/doc/mysql-enterprise-backup/3.11/en/restore.restore.html>

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#### QUESTION 7

You have an installation of MySQL 8 on Oracle Linux.

Consider the outputs: Which statement is true about disk temporary tables for this installation?

```
mysql> SHOW GLOBAL VARIABLES
  WHERE Variable_name = 'tmpdir'
  OR Variable_name = 'tmp_table_size';
+-----+-----+
| Variable_name | Value      |
+-----+-----+
| tmp_table_size | 16777216  |
| tmpdir         | /tmp      |
+-----+-----+
2 rows in set (0.01 sec)

shell> cd /var/lib/mysql
shell> ls -l | grep temp
drwxr-x---. 2 mysql mysql 4096 Dec 11 14:05 #innodb_temp
```

- A. Only internal temporary tables from the optimizer will be created in tmpdir.
- B. Temporary tables will use the InnoDB temporary tablespace located in datadir.
- C. Temporary tables are created in tmpdir only if configured to use MyISAM.
- D. Temporary tables are created in tmpdir only after they reach tmp\_table\_size.
- E. Temporary tables will use the InnoDB temporary tablespace located in /tmp.

Correct Answer: A

### QUESTION 8

You execute this command:

```
shell> mysqlpump --exclude-databases=% --users
```

Which statement is true?

- A. It creates a logical backup of all MySQL user accounts.
- B. It creates a logical backup of all metadata, but contains no table data.
- C. It returns an error because the mysqldump command should have been used.
- D. It creates a logical backup of only the users database.

Correct Answer: A

the command `mysqlpump --exclude-databases=% --users` creates a logical backup of all MySQL user accounts as CREATE USER and GRANT statements<sup>2</sup>. The option `--exclude-databases=%` excludes all databases from the backup, while the option `--users` includes all user accounts<sup>1</sup>.

**QUESTION 9**

Which two MySQL Shell commands are excluded from the InnoDB Cluster creation procedure? (Choose two.)

- A. dba.configureInstance()
- B. cluster.setPrimaryInstance()
- C. dba.configureLocalInstance()
- D. cluster.forceQuorumUsingPartitionOf()
- E. cluster.addInstance()
- F. dba.createCluster()
- G. dba.checkInstanceConfiguration()

Correct Answer: BD

Reference: [https://docs.oracle.com/cd/E17952\\_01/mysql-shell-8.0-relnotes-en/news-8-0-16.html](https://docs.oracle.com/cd/E17952_01/mysql-shell-8.0-relnotes-en/news-8-0-16.html)

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**QUESTION 10**

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.

Correct Answer: B

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**QUESTION 11**

Which two statements are true about MySQL Enterprise Backup? (Choose two.)

- A. It supports backing up only table structures.
- B. It can perform hot or warm backups.

- C. It creates logical backups.
- D. It supports the creation of incremental backups.
- E. It supports backup of a remote MySQL system.
- F. It supports restoring to a remote MySQL system.

Correct Answer: BD

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### QUESTION 12

You wish to store the username and password for a client connection to MySQL server in a file on a local file system.

Which is the best way to encrypt the file?

- A. Use the AES\_ENCRYPT() MySQL function on the option file.
- B. Use mysql\_secure\_installation to encrypt stored login credentials.
- C. Use a text editor to create a new defaults file and encrypt it from Linux prompt.
- D. Use mysql\_config\_editor to create an encrypted file.

Correct Answer: D

Reference: <https://dev.mysql.com/doc/mysql-security-excerpt/5.7/en/password-security-user.html>

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### QUESTION 13

Examine Joe's account:

```
CREATE USER 'joe'@'%' IDENTIFIED BY '*secret*'
```

```
GRANT ALL PRIVILEGES ON *.* TO 'joe'@'%'
```

All existing connections for joe are killed.

Which two commands will stop joe establishing access to the MySQL instance? (Choose two.)

- A. ALTER USER 'joe'@'%' ACCOUNT LOCK
- B. ALTER USER 'joe'@'%' SET password='\*invalid\*'
- C. REVOKE ALL PRIVILEGES ON \*.\* FROM 'joe'@'%'
- D. ALTER USER 'joe'@'%' PASSWORD HISTORY 0
- E. ALTER USER 'joe'@'%' IDENTIFIED BY '\*invalid\*' PASSWORD EXPIRE
- F. REVOKE USAGE ON \*.\* FROM 'joe'@'%'

Correct Answer: CE

**QUESTION 14**

Which three statements are true about MySQL replication? (Choose three.)

- A. Replication can use only TCP/IP connections.
- B. Any instance can have multiple slaves, but it can have only one master.
- C. Each instance in a replication topology must have a unique server ID.
- D. Binary logs contain only transactions originating from a single MySQL instance.
- E. Each slave must have its own MySQL user for replication.
- F. Binary logging must be enabled on the master in order to replicate to other instances.
- G. A replication user must have the SELECT privilege for all tables that need to be replicated.

Correct Answer: CFG

**QUESTION 15**

Examine this query and output: Which two statements are true? (Choose two.)

```
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)
```

- 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.



Correct Answer: CD

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