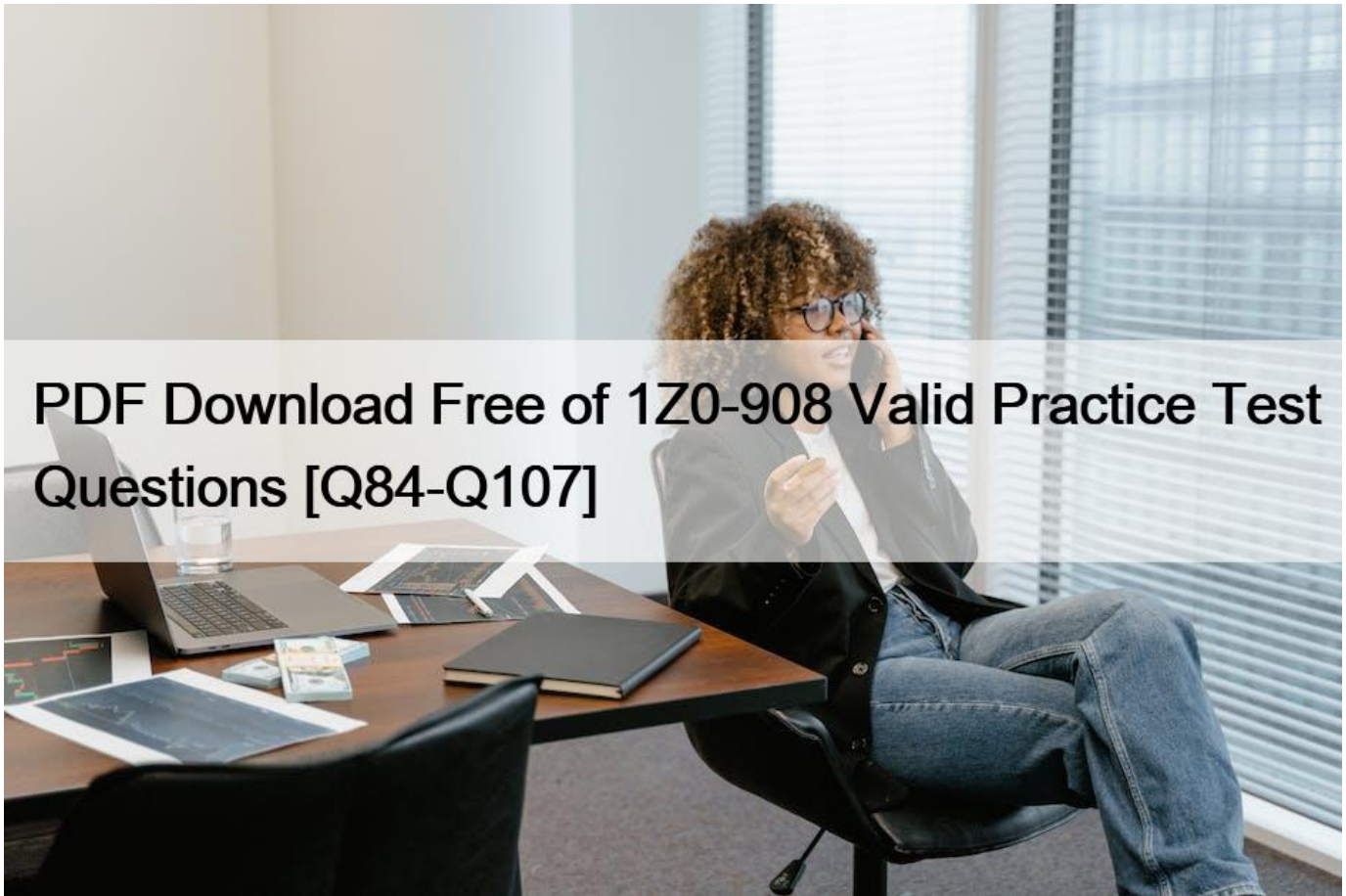


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QUESTION 84

Your MySQL server is running on the Microsoft Windows platform.

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

- * named pipes
- * shared memory
- * SOCKET
- * X Protocol
- * UDP
- * TCP/IP

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

QUESTION 85

Examine this query and its output:

```
mysql> select * from sys.user_summary_by_statement_type where statement in ('select', 'insert', 'Quit');
+-----+-----+-----+-----+-----+-----+-----+-----+
| user | statement | total | total_latency | max_latency | lock_latency | rows_sent | rows_examined |
| rows_affected | full_scans |
+-----+-----+-----+-----+-----+-----+-----+-----+
| app | select | 919866 | 2.41 h | 330.01 ms | 1.52 m | 5426148 | 542614816 |
| 0 | 919958 | 0 | 0 | 0 | 0 | 0 | 0 |
| app | insert | 923070 | 1.66 h | 297.41 ms | 1.65 m | 0 | 0 |
| 923026 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| app | Quit | 679892 | 9.54 s | 270.97 ms | 0 ps | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| bob | select | 344964 | 53.61 m | 33.42 ms | 34.51 s | 203509545 | 203509542 |
| 0 | 344847 | 0 | 0 | 0 | 0 | 0 | 0 |
| bob | insert | 346159 | 37.9 s | 235.77 ms | 36.94 s | 0 | 0 |
| 346175 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| bob | Quit | 254971 | 3.65 s | 69.91 ms | 0 ps | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| root | select | 230621 | 36.88 m | 21.47 s | 23.81 s | 135639074 | 135644067 |
| 0 | 230595 | 0 | 0 | 0 | 0 | 0 | 0 |
| root | insert | 231595 | 25.86 m | 364.22 ms | 31.45 s | 0 | 0 |
| 4150423 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| root | Quit | 170363 | 2.24 s | 130.14 ms | 0 ps | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
+-----+-----+-----+-----+-----+-----+-----+-----+

```

Which two statements are true? (Choose two.)

- * The root user had the largest number of modified rows for a SELECT statement.
- * User bob had the largest total time waiting for locks.
- * The root user had the largest single wait time.
- * The app user had the highest total number of rows read from storage engines.
- * User bob had a significantly higher ratio of SELECT + INSERT statements to QUIT than both app and root users.

QUESTION 86

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.)

- * ALTER USER 'joe'@'%' ACCOUNT LOCK
- * ALTER USER 'joe'@'%' SET password='*invalid*';
- * REVOKE ALL PRIVILEGES ON *.* FROM 'joe'@'%' ;
- * ALTER USER 'joe'@'%' PASSWORD HISTORY 0
- * ALTER USER 'joe'@'%' IDENTIFIED BY '*invalid*'; PASSWORD EXPIRE
- * REVOKE USAGE ON *.* FROM 'joe'@'%' ;

QUESTION 87

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

`Dba.rebootClusterFromCompleteOutage`: 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?

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

QUESTION 88

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

- * `dba.configureInstance()`
- * `cluster.setPrimaryInstance()`
- * `dba.configureLocalInstance()`
- * `cluster.forceQuorumUsingPartitionOf()`
- * `cluster.addInstance()`
- * `dba.createCluster()`
- * `dba.checkInstanceConfiguration()`

QUESTION 89

Binary log events for the `mydb1` schema must be copied to a different schema name `mydb2`.

Which command will do this?

- * `mysqlbinlog --rewrite-db=mydb1->mydb2 | mysql`
- * `mysqlbinlog --datebase=mydb1 --database=mydb2 | mysql`
- * `mysqlbinlog --rewrite-db=mydb1? --rewrite-db=mydb2? | mysql`
- * `mysqlbinlog --read-from-remote-server --raw | sed 's/mydb1/mydb2/g' | mysql`

QUESTION 90

You are using `mysqlcheck` for server maintenance.

Which two statements are true? (Choose two.)

- * The `mysqlcheck --check --all-databases` command takes table write locks while performing a series of checks.
- * The `mysqlcheck --optimize --all-databases` command reclaims free space from table files.
- * The `mysqlcheck --repair --all-databases` command can repair an InnoDB corrupted table.

- * The mysqlcheck command can be renamed mysqlrepair so that it repairs tables by default.
- * The mysqlcheck –analyze –all-databases command performs a series of checks to spot eventual table corruptions.

Section: (none)

Explanation

QUESTION 91

User account baduser@hostname on your MySQL instance has been compromised.

Which two commands stop any new connections using the compromised account? (Choose two.)

- * ALTER USER baduser@hostname PASSWORD DISABLED;
- * ALTER USER baduser@hostname MAX_USER_CONNECTIONS 0;
- * ALTER USER baduser@hostname ACCOUNT LOCK;
- * ALTER USER baduser@hostname IDENTIFIED WITH mysql_no_login;
- * ALTER USER baduser@hostname DEFAULT ROLE NONE;

QUESTION 92

Examine this SQL statement:

```
mysql> GRANT r_read@localhost TO mark WITH ADMIN OPTION;
```

Which two are true? (Choose two.)

- * Mark can grant the privileges assigned to the r_read@localhost role to another user.
- * ADMIN OPTION causes the role to be activated by default.
- * Mark can grant the r_read@localhost role to another user.
- * Mark can revoke the r_read@localhost role from another role.
- * ADMIN OPTION allows Mark to drop the role.
- * Mark must connect from localhost to activate the r_read@localhost role.

Explanation

<https://dev.mysql.com/doc/refman/8.0/en/grant.html>

QUESTION 93

Which two statements are true about raw binary backups? (Choose two.)

- * They are converted to a highly compressible binary format.
- * The data format is identical to how MySQL stores the data on disk.
- * They are required to obtain FIPS security compliance.
- * The resulting files are easily human readable.
- * They are faster than logical backups because the process is a simple file or file system copy.

QUESTION 94

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?

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

QUESTION 95

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?

- * The slave relay logs should be deleted; then execute `START SLAVE`;
- * The relay logs from the master should be used to replace the corrupted relay logs.
- * The slave relay logs should be deleted; execute `CHANGE MASTER` to adjust the replication relay log file name, then issue `start SLAVE`;
- * The slave needs to be restored from backup.

QUESTION 96

You have an InnoDB Cluster configured with three servers.

Examine this command, which executes successfully:

```
mysqldump -uroot -p -d mydatabase > mydatabase_backup.sql
```

Due to data loss, the cluster is initialized and a restore is attempted resulting in this error:

ERROR 13176 (HY000) at line 23: Cannot update GTID_PURGED with the Group Replication plugin running Which two actions,

either one of which, can fix this error and allow a successful restore of the cluster? (Choose two.)

- * Stop all instances except the primary read/write master instance and run the restore.
- * Remove the @@GLOBAL.gtid_purged statement from the dump file.
- * Create the backup by using the --set-gtid-purged=OFF option.
- * Remove the group replication plugin from each instance before restoring.
- * Remove the @@GLOBAL.gtid_executed statement from the dump file.
- * Restore using the --set-gtid-purged=OFF option.

QUESTION 97

Examine this list of MySQL data directory binary logs:

binlog.000001 binlog.000002

binlog.000230;..

binlog.000289

binlog.000300

binlog.000301

binlog.index

Now examine this command, which executes successfully:

```
mysqlDump --delete-master-logs --all-databases > /backup/db_backup.sql
```

Which two are true? (Choose two.)

- * All databases are backed up to the output file.
- * All non-active binary logs are removed from the master.
- * All binary logs are deleted from the master.
- * All binary logs are backed up and then deleted.
- * All databases, excluding master metadata, are backed up to the output file.
- * All details regarding deleted logs and master metadata are captured in the output file.

QUESTION 98

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

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

QUESTION 99

Examine this command, which executes successfully on InnoDB Cluster: dba.dropMetadataSchema() Which two statements are

true? (Choose two.)

- * Group Replication will be dissolved and all metadata purged.
- * Group Replication is still operational, but InnoDB Cluster must be reimported under MySQL Shell.
- * The `mysql_innodb_cluster_metadata` schema is dropped from the instance where the connection was established.
- * The command drops the `mysql_innodb_cluster_metadata` schema and re-creates it.
- * The `mysql_innodb_cluster_metadata` schema is dropped from all reachable members of the cluster.
- * Connections driven by MySQL Router are not affected by the command.

QUESTION 100

You have upgraded the MySQL binaries from 5.7.28 to 8.0.18 by using an in-place upgrade.

Examine the message sequence generated during the first start of MySQL 8.0.18:

```
... [System] ... /usr/sbin/mysqld (mysqld 8.0.18-commercial) starting as process 2754
... [System] ... Starting upgrade of data directory.
... [ERROR] ... Table upgrade required. Please do "REPAIR TABLE `columns_priv`" or dump/reload to fix it!
... [ERROR] ... Table upgrade required. Please do "REPAIR TABLE `event`" or dump/reload to fix it!
... [ERROR] ... Table upgrade required. Please do "REPAIR TABLE `proc`" or dump/reload to fix it!
... [ERROR] ... Table upgrade required. Please do "REPAIR TABLE `proxies_priv`" or dump/reload to fix it!
... [ERROR] ... Table upgrade required. Please do "REPAIR TABLE `tables_priv`" or dump/reload to fix it!
... [ERROR] ... Failed to open mysql.event Table.
... [ERROR] ... Failed to open mysql.proc Table.
... [ERROR] ... Failed to Populate DD tables.
... [ERROR] ... Aborting
... [System] ... /usr/sbin/mysqld: Shutdown complete (mysqld 8.0.18-commercial) MySQL Enterprise Server
Commercial.
```

Which step or set of steps will resolve the errors?

- * Remove the redo logs. Replace the MySQL binaries with the 5.7.28 binaries. Prepare the tables for upgrade. Upgrade to 8.0.18 again.
- * Execute: `mysqlcheck --check-upgrade mysql columns_priv event proc proxies_priv tables_priv`.
- * Start `mysqld` again using the `upgrade=FORCE` option.
- * Execute: `mysqlcheck --repair mysql columns_priv event proc proxies_priv tables_priv`.
- * Go to the `<datadir>/mysql` directory and execute: `myisamchk --update-state columns_priv event proc proxies_priv tables_priv`.

QUESTION 101

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.)

```
* shell> cp /backup/customers.sdi /var/tmp
* shell> cp /backup/customers.sdi /var/lib/mysql/shop/
* mysql> SOURCE /var/tmp/customers.sdi;
* mysql> IMPORT TABLE FROM /var/tmp/customers.sdi
* shell> cp /backup/customers.frm /var/lib/mysql/shop/
* mysql> IMPORT TABLE FROM /var/lib/mysql/shop/customers.sdi
* mysql> ALTER TABLE shop.customers IMPORT TABLESPACE
* mysql> ALTER TABLE shop.customers DISCARD TABLESPACE
```

QUESTION 102

Which command enables rule-based MySQL Auditing capabilities?

```
* shell> mysql < audit_log_filter_linux_install.sql
* shell> mysqld --initialize --log-raw=audit.log
* mysql> INSTALL PLUGIN audit_log;
* mysql> INSTALL COMPONENT audit_log;
```

Explanation/Reference: <https://dev.mysql.com/doc/mysql-security-excerpt/5.7/en/audit-log-filtering.html>

QUESTION 103

You want to log only the changes made to the database objects and data on the MySQL system.

Which log will do this by default?

```
* general query log
* audit log
* slow query log
* binary log
* error log
```

QUESTION 104

Your MySQL installation is running low on space due to binary logs. You need to reduce your log space usage urgently.

Which two sets of actions when completed will accomplish this? (Choose two.)

```
* Use SET GLOBAL binlog_expire_logs_seconds=<value> and restart the server.
* Set binlog_expire_logs_seconds in my.cnf.
* Set binlog_expire_logs_seconds = 0 in my.cnf and restart the server.
* Use SET PERSIST binlog_expire_logs_seconds=<value>.
* Use PURGE BINARY LOGS to <binlog_name>.
* Use SET GLOBAL binlog_expire_logs_seconds=<value> and run the FLUSH BINARY LOGS command.
```

QUESTION 105

You are upgrading a MySQL instance to the latest 8.0 version.

Examine this output:


```
mysql> SHOW GLOBAL VARIABLES LIKE '%dir';
+-----+-----+
| Variable_name | Value |
+-----+-----+
| basedir       | /usr  |
| . . . .      |      |
| datadir       | /var/lib/mysql |
| innodb_data_home_dir | /innodb_data |
| innodb_log_group_home_dir | ./ |
| innodb_temp_tablespaces_dir | ./#innodb_temp/ |
| innodb_tmpdir |      |
| . . . .      |      |
| plugin_dir    | /usr/lib/plugin |
| . . . .      |      |
| tmpdir        | /tmp:/var/tmp |
+-----+-----+
```

You plan to add this parameter to the configuration: `innodb_directories=/innodb_extras`; Which statement is true?

- * It defines all innodb tablespace options relative to a starting parent directory.
- * It is not necessary because `innodb_data_home_dir` is already defined.
- * It allows scanning of other locations to discover more innodb tablespaces.
- * It moves all innodb tablespaces to the `/innodb_extras` directory to enable a new `innodb_data_home_dir` to be defined.
- * It adds more temporary workspace in addition to the `innodb_tmpdir` location.

QUESTION 106

Which three actions are effective in capacity planning? (Choose three.)

- * buying more RAM
- * monitoring OS resources for patterns
- * adding circular replication nodes for increased DML capability
- * buying more CPU
- * buying more disk
- * basing expected growth on an average of the last 3 years
- * consulting the application team about any future projects and use
- * upgrading to the latest application version

QUESTION 107

Which four are types of information stored in the MySQL data dictionary? (Choose four.)

- * performance metrics
- * table definitions
- * access control lists
- * view definitions
- * server runtime configuration
- * server configuration rollback
- * stored procedure definitions
- * InnoDB buffer pool LRU management data

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