1. Make sure MySQL Server is running at version 5.7 or above.
2. Locate the directory where MySQL Server is installed. In this case, it is C:\Program Files\MySQL\MySQL Server 5.7.
3. Create a subdirectory “Keyring”.
4. Edit My.ini. Add the following configuration parameter.

[mysqld]

early-plugin-load=keyring\_file.dll

plugin-dir=C:\\Program Files\\MySQL\\MySQL Server 5.7\\lib\\plugin

1. Run the following command at the MySQL command prompt:

mysql> install plugin keyring\_file soname 'keyring\_file.dll';

1. Locate the keyring\_file. It is usually in a folder like ‘C:\Program Files\MySQL\MySQL Server 5.7\keyring’. Make sure the group ‘Users’ have ‘Modify’ permission.
2. Run the following SQL to make sure keyring plugin is enabled.

mysql> SELECT PLUGIN\_NAME, PLUGIN\_STATUS

-> FROM INFORMATION\_SCHEMA.PLUGINS

-> WHERE PLUGIN\_NAME LIKE 'keyring%';

+--------------+---------------+

| PLUGIN\_NAME | PLUGIN\_STATUS |

+--------------+---------------+

| keyring\_file | ACTIVE |

+--------------+---------------+

1 row in set (0.00 sec)

1. Set a test table to encryption=’Y’.

mysql> alter table t1 encryption='Y';

Query OK, 0 rows affected (0.14 sec)

Records: 0 Duplicates: 0 Warnings: 0

1. Set all tables in DB to encryption=’Y’. Use the following statement to generate scripts for all tables:

select concat("alter table ", table\_name, "encryption='Y';")

from information\_schema.tables

where table\_schema = `schema name` -- This can be different in each learning center