
Subject: Sqlite3 ChangePassword() failed.
Posted by [zouqi](#) on Mon, 19 Jun 2023 11:35:43 GMT
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Helo

when I test the sqlite3 at reference/SQL_sqlite3, I found a question about ChangePassword() function.

Step 1: Use sqlite3.Open(file, "password") create an encrypted db file.

Step 2: Use sqlite3.ChangePassword("password_changed") change the file's password.

Step 3: Use sqlite3.Open(file, "password_changed") to open the db again.

The problem occurred in th third step, when I opened the db file with changed password, that failed about "ERROR file is not a database(26)".

I am not familiar with encryption. Can anyone test and answer this question?

Thanks.

1. create a encrypted file.

2. change password

3. use newpassword open failed.

File Attachments

- 1) [sqlite_1.jpg](#), downloaded 148 times
 - 2) [sqlite_2.jpg](#), downloaded 142 times
 - 3) [sqlite_3.jpg](#), downloaded 150 times
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Subject: Re: Sqlite3 ChangePassword() failed.
Posted by [coolman](#) on Mon, 19 Jun 2023 13:35:04 GMT
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Hi,

From the comment in the int Sqlite3Session::SetDBEncryption(int cipher)

```
// "default:cipher" => use SQLCipher during the entire lifetime of database instance
```

```
// CIPHER_CHAHA2020_SQLEET settings are backward compatible with the previous sqleet
implementation in the U++
// Note: It is not recommended to use legacy mode for encrypting new databases. It is supported
for compatibility
// reasons only, so that databases that were encrypted in legacy mode can be accessed.
```

So, if you will use cipher Upp::Sqlite3Session::CIPHER_CHAHA2020_DEFAULT, there is no problem (legacy is not set).

```
if(!sqlite3.Open(ConfigFile("simple.db"), "test",
Upp::Sqlite3Session::CIPHER_CHAHA2020_DEFAULT)) {
...
sqlite3.ChangePassword("test_new", Upp::Sqlite3Session::CIPHER_CHAHA2020_DEFAULT);
```

BR, Radek

Subject: Re: Sqlite3 ChangePassword() failed.
Posted by [zouqj](#) on Mon, 19 Jun 2023 23:01:09 GMT
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Thinks a lot!
