

## eSync - MySQL upgrade procedure

If for some external reason you'll need to upgrade the MySQL version used by eSyncDM, please find hereunder the upgrade procedure we suggest.

The MySQL upgrade procedure itself is explained here:

<http://dev.mysql.com/doc/refman/5.5/en/upgrading-from-previous-series.html>

### **Suggested eSync MySQL upgrade procedure to upgrade to version 5.5:**

1. Backup the database:
  - Stop the eSync Files Catcher service. (Control Panel/Admin tools/Services).
  - Open a command prompt and cd to a directory where you have write access (such as Desktop or My Documents)
  - "c:\program files\esync\MySQL\bin\mysqldump.exe" -u root -p eSync >esync.sql  
You will be asked to enter the password.
2. Stop all eSync services:
  - eSync Apache Web Server
  - eSync Files Catcher (already stopped)
  - eSync OpenVPN Launcher
  - eSyncMySQL
3. Download the MySQL software 5.5 version from here:  
<http://dev.mysql.com/downloads/mysql/5.5.html#downloads>
4. Install MySQL 5.5 inside the standard directory proposed during install. (As for example: C:\Program Files\MySQL\MySQL Server 5.5)
  - Select the typical setup installation.
  - At the end of the install you'll be asked to launch the "Launch the MySQL Instance Configuration Wizard". Uncheck this option.
5. Make a copy of the eSync/MySQL directory. Just for security reason to be able to recover old version in case the upgrade procedure would fail.
6. Now move all executable files from the MySQL installation directory inside the eSync MySQL directory (eSync/MySQL).
  - Move all files from the /bin into the /bin directory of the eSync/MySQL directory
  - Create a /lib directory inside the ../eSync/MySQL directory and move there all the /lib directory of the MySQL installation
  - Move all files from the /share directory into the /share directory of the eSync/MySQL directory
7. Go to directory ../eSync/MySQL and open the my.ini file.  
Under the section [mysqld] search for the line 'default-character-set=utf8' and

comment this line out. As for example:  
# Not used anymore in 5.5 : default-character-set=utf8

**- Note -**

*Keep the 'default-character-set=utf8' parameter which is set under the [mysql] section.*

8. Start the eSyncMySQL service
9. Execute the mysql\_upgrade program
  - Open a command prompt window
  - "c:\program files\esync\MySQL\bin\mysql\_upgrade" -u root -p eSync  
You will be asked to enter the password.

The program should start and display successful upgrade result on all tables.

```
C:\Program Files\esync\MySQL\bin>mysql_upgrade -u root -p eSync
Enter password: *****
Looking for 'mysql.exe' as: C:\Program Files\esync\MySQL\bin\mysql.exe
Looking for 'mysqlcheck.exe' as: C:\Program Files\esync\MySQL\bin\mysqlcheck.exe
Running 'mysqlcheck' with connection arguments: "--port=3306"
Running 'mysqlcheck' with connection arguments: "--port=3306"
esync.esync_alarmshistory      OK
esync.esync_alarmstatus       OK
esync.esync_alarmtypes        OK
esync.esync_certificates       OK
esync.esync_connectionshistory OK
esync.esync_connectiontypes    OK
esync.esync_folders            OK
esync.esync_globals            OK
esync.esync_guids              OK
esync.esync_livealarms         OK
esync.esync_quality            OK
esync.esync_revocations        OK
esync.esync_stations           OK
esync.esync_tagpages           OK
esync.esync_tags               OK
esync.esync_tagshistory        OK
esync.esync_users              OK
mysql.columns_priv             OK
mysql.db                       OK
mysql.event                    OK
mysql.func                     OK
mysql.general_log               OK
mysql.help_category            OK
mysql.help_keyword              OK
mysql.help_relation             OK
mysql.help_topic                OK
mysql.host                      OK
mysql.ndb_binlog_index          OK
mysql.plugin                    OK
mysql.proc                     OK
mysql.procs_priv                OK
mysql.servers                   OK
mysql.slow_log                  OK
mysql.tables_priv               OK
mysql.time_zone                 OK
mysql.time_zone_leap_second     OK
mysql.time_zone_name            OK
mysql.time_zone_transition      OK
mysql.time_zone_transition_type OK
mysql.user                      OK
Running 'mysql_fix_privilege_tables'...
OK
```



10. Start all the eSync services:

- eSyncMySQL (stop and restart the service)
- eSync Files Catcher
- eSync Apache Web Server
- eSync OpenVPN Launcher

11. The database is now upgraded. After verifying that all features works correctly, best restart once the server in order to verify that all services are still started after a reboot.



## Revision

### Revision History

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1.0	18/02/2014	Creation of document

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