

Correcting tables to UTF-8

Purpose

This script will massconvert all tables to UTF-8 (needed from Confluence 5.2 and onwards):

REMEMBER TO TAKE BACKUP FIRST :-)

```
#!/bin/bash

all_tables=$(mysql -uconfluence -pxxxxxxx confluence -e 'show tables')

for table in ${all_tables}; do

    echo "Altering ${table}"

    echo "ALTER TABLE confluence.${table} convert to character set utf8 collate utf8_bin" > /tmp/sql

    mysql -uconfluence -pxxxxxxx confluence < /tmp/sql

done
```

The script originates from <https://confluence.atlassian.com/display/CONFKB>

[/Change+MySQL+Database+Character+Encoding+to+UTF8+During+Server+Migration](#) - Thanx to [Dejan Golja](#)

A sample run

from a Confluence 5.2 installation:

```
root@myserver:/opt# ./change.sql
Altering Tables_in_confluence
ERROR 1146 (42S02) at line 1: Table 'confluence.Tables_in_confluence' doesn't exist
Altering AO_187CCC_SIDEBA_LINK
Altering AO_9412A1_AONOTIFICATION
Altering AO_9412A1_AOREGISTRATION
Altering AO_9412A1_AOTASK
Altering AO_9412A1_AOUSER
Altering AO_9412A1_USER_APP_LINK
Altering ATTACHMENTDATA
Altering ATTACHMENTS
Altering BANDANA
Altering BODYCONTENT
Altering CLUSTERSAFETY
Altering CONFANCESTORS
Altering CONFVERSION
Altering CONTENT
Altering CONTENTPROPERTIES
Altering CONTENT_LABEL
Altering CONTENT_PERM
Altering CONTENT_PERM_SET
Altering DECORATOR
Altering EXTRNLNKS
Altering FOLLOW_CONNECTIONS
Altering IMAGEDETAILS
Altering INDEXQUEUEENTRIES
Altering KEYSTORE
Altering LABEL
Altering LIKES
Altering LINKS
Altering NOTIFICATIONS
Altering OS_PROPERTYENTRY
Altering PAGETEMPLATES
Altering PLUGINDATA
Altering SPACEGROUPPERMISSIONS
Altering SPACEGROUPS
Altering SPACEPERMISSIONS
Altering SPACES
Altering TRACKBACKLINKS
Altering TRUSTEDAPP
Altering TRUSTEDAPPRESTRICTION
Altering cwd_app_dir_group_mapping
Altering cwd_app_dir_mapping
Altering cwd_app_dir_operation
Altering cwd_application
Altering cwd_application_address
Altering cwd_application_attribute
Altering cwd_directory
Altering cwd_directory_attribute
Altering cwd_directory_operation
Altering cwd_group
Altering cwd_group_attribute
Altering cwd_membership
Altering cwd_user
Altering cwd_user_attribute
Altering cwd_user_credential_record
Altering external_entities
Altering external_members
Altering groups
Altering hibernate_unique_key
Altering local_members
Altering logininfo
Altering os_group
Altering os_user
Altering os_user_group
Altering remembermetoken
Altering users
root@myserver:/opt#
```

Result:

Scheme before [before.sql](#)

Sceme after [after.sql](#)

The "interesting" part is that several tables change column types:

```
`BANDANAVALUE` mediumtext CHARACTER SET latin1,  
`BANDANAVALUE` longtext COLLATE utf8_bin,  
  
`VERSIONCOMMENT` mediumtext CHARACTER SET latin1,  
`VERSIONCOMMENT` longtext COLLATE utf8_bin,  
  
`BODY` mediumtext CHARACTER SET latin1,  
`BODY` longtext COLLATE utf8_bin,  
  
`KEYSPEC` text CHARACTER SET latin1 NOT NULL,  
`KEYSPEC` mediumtext COLLATE utf8_bin NOT NULL,  
  
`text_val` mediumtext CHARACTER SET latin1,  
`text_val` longtext COLLATE utf8_bin,  
  
`CONTENT` mediumtext CHARACTER SET latin1,  
`CONTENT` longtext COLLATE utf8_bin,  
  
`LICENSEKEY` text CHARACTER SET latin1,  
`LICENSEKEY` mediumtext COLLATE utf8_bin,
```

The complete diff: [diff.sql](#)

Dont worry

This is a diff from a 5.2.5 instance - [confluence5.2.5-dump.sql](#) - And it has the same column types as after the script.