

# Encoding Fix Verification

Because changes to your Tiki database encoding can be confusing and difficult to troubleshoot problems it's best to do a few quick verification, after you have applied the three steps of the upgrade process to "fix the encoding issue" (if needed, see [https://doc.tiki.org/Upgrade#Fix\\_the\\_encoding\\_issue](https://doc.tiki.org/Upgrade#Fix_the_encoding_issue)) .

# 1.1. Verify local.php

This file stores the Tiki database connection information

1. Open /db/local.php with your favorite text editor (vi, emacs, etc...)
2. Verify client\_charset is set to utf8
3. update manually if incorrect

# 1.2. Verify Database

The database and its tables should have been updated to use the utf8 character set. Verifying the database involves querying the "information\_schema" which is essentially the data dictionary for MySQL. So log in to MySQL using the Tiki schema (database) owner account to execute these queries.

# 1.2.1. Schema verification

This simple select lists characteristics for the database itself.

## Schema Verification SQL

```
select * from information_schema.schemata;
```

1. Run the SQL
2. Verify the "DEFAULT\_CHARACTER\_SET\_NAME" for the Tiki schema is set to "utf8" and that "DEFAULT\_COLLATION\_NAME" is set to "utf8\_general\_ci"
3. If these values are not as specified, run the below SQL:

## Schema Correction SQL

```
ALTER DATABASE {Tiki db_name} DEFAULT CHARACTER SET 'utf8' DEFAULT COLLATE 'utf8_general_ci';
```

# 1.2.2. Table verification

This simple select lists key characteristics for each table of the Tiki DB.

## Table Verification SQL

```
select table_name, table_collation from information_schema.tables where table_schema = '{Tiki db_name}';
```

1. Run the SQL
2. Verify "table\_collation" is set to "utf\_general\_ci"
3. Run the below SQL for each table not set correctly

## Table Correction SQL

```
ALTER TABLE {Tiki db_name}.{Table Name} CONVERT TO CHARACTER SET 'utf8' COLLATE 'utf8_general_ci'  
DEFAULT CHARACTER SET 'utf8' COLLATE 'utf8_general_ci';
```

# 1.2.3. Content verification

You need to be sure that the content in your database has been converted to utf-8. If you had non as-cii characters in your wiki pages, it's very easy to verify if you had your db tables content converted to utf-8 or not. If you see weird characters instead of non-ascii characters like accents, tilde, apostrophes, etc, then your content is not in utf-8. In this case, you can apply the fix from the installer in the last step. Check [https://doc.tiki.org/Upgrade#Fix\\_the\\_encoding\\_issue](https://doc.tiki.org/Upgrade#Fix_the_encoding_issue) . If you were using plain English in your wiki pages, then ask for help in the Irc channel, for instance.