

Oracle9iInstall

Overview

I am installing Tikiwiki on Oracle 9i Release 2. Most of this stuff should work with older versions of Oracle including 8.1.7.

I took a snapshot of the CVS on Jan 19, 2004 (~09:10 PST). I finally got it working after making changes to SQL scripts and some PHP files. Still, I get some ORA error once in a while. It's working partially. I have a modified create script [tiki-1.8-oci8-create.sql](#) to create the schema. Should you get any error in your log, when you run this script, either you or I have made a mistake.

Long table names

tiki_live_support_message_comments

tiki_content_templates_sections

Due to *tiki_content_templates_sections* *tiki-admin_html_pages.php* and other related pages would not work. You can fix the page by changing the table name if you need it. I didn't investigate the impact of *tiki_live_support_message_comments* table but I am reasonably certain that it will not work either.

Note: There are several other objects such as sequences and triggers with long names. I changed them so that script would execute normally. These 'other objects' are not used in PHP code. So, life is easy.

Notes on Changes Made to SQL Script

tiki_live_support_message_comments table is name is changed to *tiki_live_supp_msg_commnts*

tiki_content_templates_sections table is name is changed to *tiki_content_templates_sections*

All the *DROP TABLE* statements are deleted

All instances of *CREATE TRIGGER* is changed to *CREATE OR REPLACE TRIGGER*

All *CREATE INDEX* on clob types are commented out with *clob_index* string

The type of "source" in "tiki_language" and "tiki_untranslated" tables definition is changed to "raw(255) NOT NULL" from "blob NOT NULL". RAW type in Oracle is compatible with BLOB and it can to used in a primary key. Use **URL_RAW.CAST_TO_RAW(VARCHAR2)** to insert text into RAW type.

Following Insert statements are fixed such that they complete normally. The first three inserts text into BLOB type. The fourth one uses " to insert ' char into the database.

```
('1','1','1',utl_raw.CAST_TO_RAW('.*<body[^>]*?>(.*?)</body.*'),utl_raw.CAST_TO_RAW('1'),'y','n','i','y','Extract code between <BODY> tags');
```

```
INSERT INTO tiki_integrator_rules VALUES ('2','1','2',utl_raw.CAST_TO_RAW('img src=("|")?!http://)'),utl_raw.CAST_TO_RAW('img src=1{path}'),'y','n','i','y','Fix images path');
```

```
INSERT INTO tiki_integrator_rules VALUES ('3','1','3',utl_raw.CAST_TO_RAW('href=("|")?!(--|(http|ftp://))'), utl_raw.CAST_TO_RAW('href=1tiki-integrator.php?repID={repID}&'||'file='), 'y','n','i','y','Relace internal links to integrator. Dont touch an external links.');
```

```
INSERT INTO tiki_quicktags (taglabel,taginsert,tagicon) VALUES ('italic','""text""','images/ed_format_italic.gif');
```

Drop Schema Objects

You could use *drop user tikischema cascade* to drop the entire schema. If you don't have DBA privileges. Then you can run [tiki-1.8-oci8-drop.sql](#) script to drop the schema objects. Again, you should not get any error in your log. If you get either you are in error.

PHP Files Changes:

This is work in progress. I got the workflow run quite smoothly after making huge amount of changes to some files. To apply patch, unzip the file to the root of your wiki installation. [Click here](#) to download the patch.

Known issues

I will post any errors I encounter beyond this patch here.

Search (using search_new) doesn't work. Always returns zero hits.

Attach files in Wiki pages doesn't work.

Warning: oci8 error: ORA-01465: invalid hex number in query:

insert into

```
"tiki_wiki_attachments"("page","filename","filesize","filetype","data","created","downloads","user","comment","path") values(:0,:1,:2,:3,:4,:5,0,:6,:7,:8)
```

Uploading files to File gallery fails with similar error.

Warning: oci8 error: ORA-01465: invalid hex number in query:

insert into

```
"tiki_files"("galleryId","name","description","filename","filesize","filetype","data","user","created","downloads","path","hash") values(:0,:1,:2,:3,:4,:5,:6,:7,:8,:9,:10,:11)
```

PDF Generation of Pages Fails

Notice: Undefined index: notin in wiki\lib\htmlparser\htmlparser.inc on line 393

Warning: Cannot modify header information - headers already sent by (output started at wiki\lib\htmlparser\htmlparser.inc:393) in wiki\lib\pdf\lib\class.pdf.php on line 1916

Warning: Cannot modify header information - headers already sent by (output started at wiki\lib\htmlparser\htmlparser.inc:393) in wiki\lib\pdf\lib\class.pdf.php on line 1917

Warning: Cannot modify header information - headers already sent by (output started at wiki\lib\htmlparser\htmlparser.inc:393) in wiki\lib\pdf\lib\class.pdf.php on line 1919

Suggested Changes

value field in *tiki_tracker_item_fields* table could be changed to VARCHAR2(4000) since it appears in the where clause of some queries. It's fixed such that Preferences work. I have implemented a hack by using *to_char*(CLOB) in the patch.

In certain queries inside Workflow lib PHPs, I ran into *ORA-00918: column ambiguously defined in query*. It was an interesting problem to fix since I didn't get the same error when I ran the queries using SQLPlus. After a while, I figured out the subtle reason well articulated in at [this page](#). I renamed the duplicate variables with 'varname_' and the error was gone. I can't explain why there is no error when SQLPlus was used. It could be the difference between OCI used by PHP and SQLPlus.

tiki-webmail.php tries to insert "yes" "no" string into "tiki_user_mail_accounts" which is CHAR(1) ERROR: ORA-01401: inserted value too large for column. I expect this to be a generic problem. Perhaps the following files needs to be changed.

wiki/templates/tiki-admin_mailin.tpl

wiki/templates/tiki-webmail.tpl

In wiki/lib/userfiles/userfileslib.php

```
$query = "delete from `tiki_userfiles` where `user`=? and fileId=?";
```

should be changed to (missing ` around fileId)

```
$query = "delete from `tiki_userfiles` where `user`=? and `fileId`=?";
```

wiki/lib/usermenu/usermenulib.php inside get_max_position(\$user) function

```
"select max(position) from `tiki_user_menus` where `user`=?"
```

should be changed to (missing ` around position)

```
"select max(`position`) from `tiki_user_menus` where `user`=?"
```

wiki/lib/wiki/wikilib.php inside wiki_attach_file function

```
$query = "insert into
```

```
tiki_wiki_attachments(page,filename,filesize,filetype,data,created,downloads,user,comment,path)
```

```
values(?,?,?,?,?,0,?,?,?);"
```

should be changed to (missing `)

```
$query = "insert into
```

```
`tiki_wiki_attachments` (`page`,`filename`,`filesize`,`filetype`,`data`,`created`,`downloads`,`user`,`comment`,`path`) values(?,?,?,?,?,0,?,?,?);"
```

Besides, there are hundreds of changes in Workflow files. Please do diff if you want to see the changes. It's not possible to list all of them here.