**MediaWiki 1.22.5 instalación**

Build de prerrequisitos e instalación

tar xfz httpd-2.2.27.tar.gz

cd httpd-2.2.27

./configure --enable-so

make clean

make

make install

tar xfz php-5.3.28.tar.gz

cd php-5.3.28

./configure --enable-debug --with-apxs2=/usr/local/apache2/bin/apxs --with-oci8=/opt/oracle/product/oracle/11.1.0/db

make clean

make

make install

vi /usr/local/apache2/conf/httpd.conf

comprobar que está

LoadModule php5\_module modules/libphp5.so

tar xfz /root/git-1.9.2.tar.gz

cd git-1.9.2

./configure

make clean

make

make install

rpm –ivh libwmf-0.2.8.4-10.1.i386.rpm ImageMagick-6.2.8.0-3.el5.4.i386.rpm

cd /usr/local/apache2/htdocs

modificar index.html

<html>

<meta http-equiv="refresh" content="0; http://altec291.altec.bsch/wiki/index.php"/>

</html>

Permisos de escritura para daemon:daemon

chown daemon:daemon cache images

chmod 775 cache images

tar xfz /root/mediawiki-1.22.5.tar.gz

mv mediawiki-1.22.5 wiki

cd wiki

ln -s . Article # directorio Article no existe

Oracle Setup

CREATE TABLESPACE TSD\_D\_WIKI

DATAFILE '/opt/oracle/oradata/wiki/tsd\_d\_wiki.dbf'

SIZE 200M REUSE LOGGING EXTENT MANAGEMENT LOCAL

SEGMENT SPACE MANAGEMENT AUTO

;

drop user wiki cascade;

commit;

CREATE USER wiki PROFILE DEFAULT IDENTIFIED BY wiki

DEFAULT TABLESPACE TSD\_D\_WIKI

TEMPORARY TABLESPACE TEMP

QUOTA UNLIMITED ON TSD\_D\_WIKI

ACCOUNT UNLOCK;

GRANT CREATE VIEW TO wiki;

GRANT CREATE SESSION TO wiki;

GRANT CREATE CLUSTER TO wiki;

GRANT UNLIMITED TABLESPACE TO wiki;

GRANT CONNECT TO wiki;

GRANT RESOURCE TO wiki;

grant alter session to wiki;

grant ctxapp to wiki;

grant execute on ctx\_ddl to wiki;

grant create view to wiki;

grant create synonym to wiki;

grant create table to wiki;

grant create sequence to wiki;

grant create trigger to wiki;

commit;

alter trigger system.ALTER\_OBJECT disable;

Oracle Text setup

connect / as SYSDBA

spool ctxsys\_installation.log

-- Parameters are password, default t/s, temp t/s, don't lock the account.

@?/ctx/admin/catctx.sql secret SYSAUX TEMP NOLOCK

connect CTXSYS/secret

@?/ctx/admin/defaults/dr0defin.sql "ENGLISH";

connect / as SYSDBA

alter user ctxsys account lock password expire;

spool off







wiki/wiki



admin/Isban2014













Error

Principio del formulario

* Extensiones inclusive... hecho
* Configurando la base de datos... hecho
* Creando el usuario de la base de datos... hecho
* Creando tablas... hecho
* Llenando la tabla interwiki predeterminada...

Se ha producido un error en la base de datos. Esto puede indicar un bug en el software.

* + Consulta:

INSERT INTO /\*Q\*/WIKI\_INTERWIKI (iw\_prefix,iw\_url,iw\_local,iw\_api,iw\_wikiid) VALUES (:iw\_prefix, :iw\_url, :iw\_local, NULL, NULL)

* + Función: DatabaseOracle::insertOneRow
	+ Error: 1400 ORA-01400: cannot insert NULL into ("WIKI"."WIKI\_INTERWIKI"."IW\_API")

Backtrace:

#0 /usr/local/apache2/htdocs/wiki/includes/db/DatabaseOracle.php(620): DatabaseOracle->reportQueryError('ORA-01400: cann...', 1400, 'INSERT INTO /\*Q...', 'DatabaseOracle:...')
#1 /usr/local/apache2/htdocs/wiki/includes/db/DatabaseOracle.php(493): DatabaseOracle->insertOneRow('interwiki', Array, 'DatabaseInstall...')
#2 /usr/local/apache2/htdocs/wiki/includes/installer/DatabaseInstaller.php(633): DatabaseOracle->insert('interwiki', Array, 'DatabaseInstall...')
#3 [internal function]: DatabaseInstaller->populateInterwikiTable(Object(OracleInstaller))
#4 /usr/local/apache2/htdocs/wiki/includes/installer/Installer.php(1589): call\_user\_func(Array, Object(OracleInstaller))
#5 /usr/local/apache2/htdocs/wiki/includes/installer/WebInstallerPage.php(1254): Installer->performInstallation(Array, Array)
#6 /usr/local/apache2/htdocs/wiki/includes/installer/WebInstaller.php(275): WebInstaller\_Install->execute()
#7 /usr/local/apache2/htdocs/wiki/mw-config/index.php(61): WebInstaller->execute(Array)
#8 /usr/local/apache2/htdocs/wiki/mw-config/index.php(29): wfInstallerMain()
#9 {main}

SQL> connect wiki/wiki

Connected.

SQL> desc WIKI\_INTERWIKI ;

 Name Null? Type

 ----------------------------------------- -------- ----------------------------

 IW\_PREFIX NOT NULL VARCHAR2(32)

 IW\_URL NOT NULL VARCHAR2(127)

 IW\_API NOT NULL BLOB

 IW\_WIKIID VARCHAR2(64)

 IW\_LOCAL NOT NULL CHAR(1)

 IW\_TRANS NOT NULL CHAR(1)

SQL> select \* from WIKI\_INTERWIKI ;

no rows selected

Varios errores en strpos()

Warning: strpos() expects parameter 1 to be string, object given in /usr/local/apache2/htdocs/wiki/includes/db/DatabaseOracle.php on line

Correcciones

**</usr/local/apache2/htdocs/wiki/maintenance/oracle/tables.sql>**

Se permiten NULLS en las 3 columnas



**/usr/local/apache2/htdocs/wiki/includes/db/DatabaseOracle.php**

Cuando el parámetro no es un string (objeto blob), no se verifica ni elimina el string “/\*Q\*/”



Después de corregir pasa OK





Cambios a LocalSettings.php

$wgCacheDirectory = "$IP/cache";

$wgShowExceptionDetails = true;



Preparación de startup automático

Se adapta el script /etc/init.d/httpd estándar



chkconfig --level 235 httpd on

Report opened in Support Desk

<http://www.mediawiki.org/w/index.php?title=Project:Support_desk&limit=20#problems_with_oci8_using_Oracle_11g__42506>

## problems with oci8 using Oracle 11g

* [History](http://www.mediawiki.org/w/index.php?title=Thread:Project:Support_desk/problems_with_oci8_using_Oracle_11g&lqt_method=thread_history)
* [Summarize](http://www.mediawiki.org/w/index.php?title=Thread:Project:Support_desk/problems_with_oci8_using_Oracle_11g&lqt_method=summarize&lqt_operand=42506)
* [Change subject](http://www.mediawiki.org/w/index.php?title=Project:Support_desk&limit=20)

[Collapse](http://www.mediawiki.org/w/index.php?title=Project:Support_desk&limit=20)

I have many problems related to BLOB data type: /usr/local/apache2/htdocs/wiki/includes/db/DatabaseOracle.php(1146) : Warning - strpos() expects parameter 1 to be string, object given /usr/local/apache2/htdocs/wiki/includes/db/DatabaseOracle.php(1142) : Warning - strpos() expects parameter 1 to be string, object given /usr/local/apache2/htdocs/wiki/includes/db/DatabaseOracle.php(1142) : Warning - substr() expects parameter 1 to be string, object given I fixed these errors with this code:

 public function removeIdentifierQuotes( $s ) {

 if ( is\_object ( $s ) ) {

 return $s;

 }

 else {

 return strpos( $s, '/\*Q\*/' ) === false ? $s : substr( $s, 5 );

 }

 }

 public function isQuotedIdentifier( $s ) {

 if ( is\_object ( $s ) ) {

 return false;

 }

 else {

 return strpos( $s, '/\*Q\*/' ) !== false;

 }

 }

Another error during config was: INSERT INTO /\*Q\*/WIKI\_INTERWIKI (iw\_prefix,iw\_url,iw\_local,iw\_api,iw\_wikiid) VALUES (:iw\_prefix, :iw\_url, :iw\_local, NULL, NULL) Error: 1400 ORA-01400: cannot insert NULL into ("WIKI"."WIKI\_INTERWIKI"."IW\_API")

To solve that, I Changed INTERWIKI table definition:

SQL> desc WIKI\_INTERWIKI ;

Name Null? Type

----------------------------------------- -------- ----------------------------

IW\_PREFIX NOT NULL VARCHAR2(32)

IW\_URL NOT NULL VARCHAR2(127)

IW\_API NOT NULL BLOB

IW\_WIKIID VARCHAR2(64)

IW\_LOCAL NOT NULL CHAR(1)

IW\_TRANS NOT NULL CHAR(1)

columns IW\_API, IW\_LOCAL and IW\_TRANS now accepting null values

After both changes made, the configuration ran OK without warnings

Basic operation is OK

Problem cannot solve:

string(425) "UPDATE /\*Q\*/WIKI\_IMAGE SET img\_size = :img\_size, img\_width = :img\_width, img\_height = :img\_height, img\_bits = :img\_bits, img\_media\_type = :img\_media\_type, img\_major\_mime = :img\_major\_mime, img\_minor\_mime = :img\_minor\_mime, img\_timestamp = :img\_timestamp, img\_description = :img\_description, img\_user = :img\_user, img\_user\_text = :img\_user\_text, img\_metadata = :img\_metadata, img\_sha1 = :img\_sha1 WHERE img\_name = 'Debug.png'"

Warning: OCI-Lob::writetemporary() expects parameter 1 to be string, object given in /usr/local/apache2/htdocs/wiki/includes/db/DatabaseOracle.php on line 1327

message during uploaded file delete or replace operation

 if ( $col\_type == 'BLOB' ) {

 $lob[$col]->writeTemporary( $val );

 oci\_bind\_by\_name( $stmt, ":$col", $lob[$col], - 1, SQLT\_BLOB );

 } else {

 $lob[$col]->writeTemporary( $val ); <<<<<< problem with thic call

 oci\_bind\_by\_name( $stmt, ":$col", $lob[$col], - 1, OCI\_B\_CLOB );

 }

The value of $val is an object (BLOB) with this value

object(Blob)#188 (1) { ["mData":"Blob":private]=> string(168) "a:6:{s:10:"frameCount";i:0;s:9:"loopCount";i:1;s:8:"duration";d:0;s:8:"bitDepth";i:8;s:9:"colorType";s:10:"truecolour";s:8:"metadata";a:1:{s:15:"\_MW\_PNG\_VERSION";i:1;}}" }

About environment

DB: Oracle 11g (11.1.0.7.0) OS: Red Hat Enterprise Linux Server release 5 (Tikanga) httpd-2.2.27 php-5.3.28 (configure --with-apxs2=/usr/local/apache2/bin/apxs --with-oci8=/opt/oracle/product/oracle/11.1.0/db)

Please help !!