

Re: inserting XML Document into Oracle database using a stored procedure

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Source: <http://coding.derkeiler.com/Archive/Perl/perl.dbi.users/2006-03/msg00024.html>

- *From:* hariharan.venkata-chinnaswamy@xxxxxxxxxxx (Hariharan Venkata-Chinnaswamy)
 - *Date:* Thu, 02 Mar 2006 14:51:09 -0800
-

Here is the version information

Perl Verion is 5.8.5

Oracle client version is 9.0

DBI version is 1.45

DBD::Oracle version is 1.15

The problem is that i am not getting any errors. The database is not being called it errors out before that so there is no error message.

What i am trying to do is i want to insert a xml file into the Oracle database using a stored procedure which takes a XmlType type parameter.

How do i create a DOM object to be binded using the bind_param method?

Hari

Reidy, Ron wrote:

What is happening? What Oracle version, Perl version DBI/DBD::Oracle versions?

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Ron Reidy
Lead DBA
Array BioPharma, Inc.

-----Original Message-----

From: Hariharan Venkata-Chinnaswamy
[mailto:hariharan.venkata-chinnaswamy@xxxxxxxxxxx] Sent: Wednesday, March 01, 2006 9:43 PM
To: dbi-users@xxxxxxxx
Subject: inserting XML Document into Oracle database using a stored procedure

I am trying to insert a XMLType XmlDom.DOMDocument into the Oracle database and I am stuck. Thanks in advance for any pointers.

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Here is my stored procedure. The first parameter in the checkin_design stored procedure is a DOM object type parameter. The rest of the parameters are regular strings.

```
PROCEDURE checkin_design( in_designinfo_doc IN XmlDom.DOMDocument,
in_design_tag IN DESIGN_TAG.TAG%TYPE,
in_username IN
DESIGN.created_by%TYPE,
out_message OUT VARCHAR2) IS

v_result BOOLEAN := FALSE;

v_proc VARCHAR2(500) := 'CHECKIN_DESIGN-1';

BEGIN

v_result := checkin_design (in_designinfo_doc
,in_design_tag
,in_username
,out_message);

EXCEPTION

WHEN OTHERS THEN

v_error_stack := DBMS_UTILITY.format_error_stack;

v_error_call := DBMS_UTILITY.format_call_stack;

v_ora_errno := SQLCODE;

v_ora_errmsg := SUBSTR ( SQLERRM, 0, 255 );
```

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```
v_db_object := v_db_object||'.'||v_proc;

v_additional_info := '[PARAMETERS] in_designinfo_doc=[DOM
Document], in_design_tag='||in_design_tag||',
in_username='||in_username;

Error_Monitor.log_error ( v_db_schema

,v_application

,v_db_object

,565

,v_ora_errno

,v_ora_errmsg

,'Unhandled exception in
'||v_db_object||'.'||v_proc

,v_username

,SYSDATE

,1

,v_error_stack

,v_error_call

,v_additional_info

,'Y' );

out_message := v_ora_errmsg;

END checkin_design;
```

Here is my perl script

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```
#!/tools/xgs/perl/5.8.5/bin/perl

use strict;

use lib "/tools/xgs/perl/5.8.5/lib/dbd/oracle/8.1.7/lib";

use DBI;

use XML::DOM;

use DBD::Oracle qw(:ora_types);

$ENV{'ORACLE_HOME'} = '/mis/TREE/oracle/5prod/8.1.7';

my $dbh = DBI->connect('dbi:Oracle:ubmdev.ir.xilinx',
'xxx',
'xxxxxxx',
{RaiseError => 1, AutoCommit => 1}) || die
"cannot connect:$DBI::errstr";

print "connected to DB\n";

my $infile = "designInfo.xml";

my $dom_parser = new XML::DOM::Parser;

my $doc = $dom_parser->parsefile($infile);

my $nodes = $doc->getElementsByTagName ("designInfo");

my $err1;

my $func1;
```

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```
eval {  
  
$func1 = $dbh->prepare(q{  
  
BEGIN  
  
DESIGN_PKG.checkin_design(:param1, :param2, :param3, :error);  
  
END;  
  
});  
  
$func1->bind_param_inout(":error",\,$err1,500);  
  
$func1->bind_param(":param1", $doc->getDocumentElement(), { ora_type =>  
ORA_CLOB });  
  
$func1->bind_param(":param2", 'head-00134');  
  
$func1->bind_param(":param3", 'hvenkata');  
  
$func1->execute;  
  
print "DIAGNOSIS: $DBI::lasth : $DBI::lasth->{Type} :  
$DBI::lasth->{Statement}\n";  
  
};  
  
if ($?) {  
  
warn "message: $DBI::errstr\n";  
  
warn "message2: " . $func1->errstr() . "\n";  
  
warn "message3: " . $func1->err() . "\n";  
  
}  
  
print "store procedure returns $err1\n";
```

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```
$dbh->disconnect;
```

What am I doing wrong?

Hari

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