

Re: Oracle procedure raises exception but looks to be successful from DBI

Source: <http://coding.derkeiler.com/Archive/Perl/perl.dbi.users/2008-01/msg00064.html>

- *From:* shildret@xxxxxxxxxxxxxxxxxxxxxx (Scott T. Hildreth)
 - *Date:* Fri, 25 Jan 2008 13:26:14 -0600
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Not that I am offering you a solution, but with Oracle I have found the error messages are sometimes misleading. For example I was helping a co-worker with code. He wanted to call a stored procedure, so I sent him some example code that I had which called a function. The function I was calling returns a number so I use the :4 return in the code below.

```
$cpyh = $self->{_Dbh}->prepare_cached( q{
BEGIN
:4 := dots_ems.copy_project(:1, :2, :3);
END;
}, undef, AllowActive)
or $self->__SetError("\nget_new_projnum() - prepare() failed : \n$self->{_Dbh}->errstr\n");

$cpyh->bind_param(1, $self->{_Projnum});
$cpyh->bind_param(2, 'NEWPRO');
$cpyh->bind_param(3, "");
$cpyh->bind_param_inout(4, \$proj_num, 10);
$cpyh->execute;

return $proj_num;
```

My co-worker left the :4 param in thinking it would return a status. When he ran the code Oracle would return a error message indicating that there was not a function named (what ever he named it). I kept glazing over the error message, ran his code in debugger, and couldn't figure out why it wouldn't work. Then it "slapped" me in the head, he is calling a procedure not a function, there are returns from procedures. As soon as the placeholder :4 was taken out it worked. I guess my point is Oracle assumed it was function, since there was out bind variable. I think Oracle is making this assumption. The error should have been

"blah is a procedure and any idiot knows procedures don't return values."

....or something like that and I would have known right away why the prepare was failing.

Re: Oracle procedure raises exception but looks to be successful from DBI

On Fri, 2008-01-25 at 17:47 +0000, Martin Evans wrote:

John Scoles wrote:

I sort if expected that for the exec it is usually only used withing SP perhaps

"begin; exec(user.package.proctest(?)); end; " ?? who knows

same problem as without exec:

PLS-00302: component 'PACKAGE' must be declared

The next error is usually a permission problem on the Oracle side. Either the use who is calling the SP dose not have execute permission for the package or something in the package (hard to debug that) or the present state of the package is stopping you from executing it.

you might want to try

GRANT execute to the package

The fact that DBD is returning the error from Oracle usually means that DBD is running correctly.

Cheers

It is not a permission issue.

call user.package.proctest(?)

works and

begin user.package.proctest(?); end;

fails with the error above.

Thanks for the help though – it almost got me there. I'll keep investigating.

Martin

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