

RE: Identify PID for remote database handle--CLARIFICATION...

Source: <http://coding.derkeiler.com/Archive/Perl/perl.dbi.users/2006-05/msg00169.html>

- *From:* Ron.Reidy@xxxxxxxxxxxxxxxxxxxxxx (Ron Reidy)
 - *Date:* Tue, 23 May 2006 10:27:32 -0600
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No, I do not know you are a DBA; maybe YOU cannot describe the problem well enough.

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

From: Drozdowski, Catharine [mailto:catharine_drozdowski@xxxxxxxxxx]
Sent: Tuesday, May 23, 2006 10:11 AM
To: Reidy, Ron; dbi-users@xxxxxxxxxx
Subject: RE: Identify PID for remote database handle--CLARIFICATION...

You know I AM a DBA and will withdraw the post as you guys seem to not be able to grasp the concept.

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

From: Reidy, Ron [<mailto:Ron.Reidy@xxxxxxxxxxxxxxxxxxxxxx>]
Sent: Tuesday, May 23, 2006 8:51 AM
To: Drozdowski, Catharine; dbi-users@xxxxxxxxxx
Subject: RE: Identify PID for remote database handle--CLARIFICATION...

This is somewhat off topic as it has nothing to do with DBI nor Perl. However ...

When a connection request is made to an Oracle database instance, the TNS listener receives this request. If the listener is configured to create dedicated sessions, a new process is created, connected to the database instance. This new process opens a socket (tcp) for communicating with the client process. The listener then hands this socket address back to the client program and returns to listening for connection requests.

Now, to identify the PID of this new process, someone else has already described the mechanism for getting that information from the DB. If you want DB resource usage, you will need to look at the performance views V\$PROCESS, V\$SESSION (wait events), and the ASH and AWR views in 10gR2.

If you need more information on these views, see the Oracle docs and/or talk with your DBA.

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Ron Reidy
Lead DBA
Array BioPharma, Inc.

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

From: Drozdowski, Catharine [mailto:catharine_drozdowski@xxxxxxxxxxx]
Sent: Tuesday, May 23, 2006 9:32 AM
To: dbi-users@xxxxxxxx
Subject: RE: Identify PID for remote database handle--CLARIFICATION...

To the DBI/DBD list:

Let me rephrase this question a bit.

I have a perl program running on server A which makes a remote connection to a database running on server B using the DBI/DBD construct of a database handle/statement handle. On server A, the perl program has a process ID, identified by \$\$ or \$PID.

On server B where the actual DDL inside the statement handle is running, resources are being consumed by the database to construct the query return set. That resource usage is being accounted for somehow at the OS level on server B. My assumption is that they are assigned a PID by the OS.... It is this process id which I would like to capture.

I hope this clarifies what I am looking for ...

Thanks,
catharine

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

From: Chris Sarnowski [<mailto:csarnows@xxxxxxxxxxxxxxxx>]
Sent: Tuesday, May 23, 2006 7:04 AM
To: dbi-users@xxxxxxxx
Cc: Drozdowski, Catharine
Subject: Re: Identify PID for remote database handle

I don't know of any way to do this using DBI or DBD::Oracle.
You might get better answers on an Oracle DBA list (try <http://www.freelists.org/list/oracle-l> or <http://www.lazydba.com>)

This seems to work in Oracle 9.2, but I just hacked it together in a couple of minutes and it's not thoroughly tested (i.e. testcases = 1 with 100% success).

Also, there are probably better ways to find your own SID. This of course assumes that the user has access to the V\$ tables (which they probably shouldn't have).

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```
select vp.spid from v$process vp, v$session vs where vs.sid = (select
sid from v$mystat where rownum = 1) and vp.addr = vs.paddr;
```

I've been thinking about why you might want this and now I'm not sure it's the answer you want anyway. Running sqlplus inside of perl seems redundant for most purposes.

And now that I think about it I'm sure DBI/DBD::Oracle can't help you here because it is not going to know anything about the sqlplus connection, just the DBI handle.

So it really is off-topic for this list.

-Chris

On May 22, 2006, at 6:07 PM, Drozdowski, Catharine wrote:

How can I find the server pid for a sqlplus session which is logged on

remotely inside a perl program... I can find the local PID using \$\$ or

\$PID, but how can I find the pid for the statement/database handle which is actually logged onto the database doing the work...

Env: Oracle, Solaris

Catharine Drozdowski
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(877-633-2436, ext. 0), and then delete it from your system.