

FWD: RE: [dbi] RE: succinct view of problem – getting results from DBCC INDEXDEFRAG – DBD::ODBC

Source: <http://coding.derkeiler.com/Archive/Perl/perl.dbi.users/2003-12/0268.html>

From: Martin J. Evans (*martin_at_easysoft.com*)

Date: 12/30/03

Date: Tue, 30 Dec 2003 18:02:54 -0000 (GMT)

To: dbi-users@perl.org

I answered this email sent to me then it was resent to dbi-users.

Here is what I said:

-----FW: <XFMail.20031230180043.martin@easysoft.com>-----

Date: Tue, 30 Dec 2003 18:00:43 -0000 (GMT)

From: "Martin J. Evans" <martin@easysoft.com>

To: "Mitchell, Louise M" <Louise.Mitchell@pnl.gov>

Subject: RE: [dbi] RE: succinct view of problem – getting results from DBCC INDEXDEFRAG – DBD::ODBC

Louise,

> *Martin, et.al.*,

I seemed to be the only one in the list.

I still think you have an older SQL Server driver as I do not get the call to SQLNumResultCols failing. I am using SQL Server ODBC Driver v 2000.81.9030.04.

If I modify your script to:

```
#!/usr/bin/perl -w
use DBI;
# using latest version of DBI and MDAC and DBD::ODBC...
#

$dbh = DBI->connect("dbi:ODBC:test", 'Martin_Evans', 'easysoft',
    { PrintError => 0,
      RaiseError => 1,
      LongReadLen => 65536,
      odbc_async_exec => 0,
      odbc_err_handler => sub {
          my ($state, $msg) = @_ ;
          # Strip out all of the driver ID stuff
```

FWD: RE: [dbi] RE: succinct view of problem – getting results from DBCC INDEXDEFRAG – DBD::ODBC

```
        $msg =~ s/^\s*//;
        $err_text .= $msg . "\n";
        return 0;
    }
);

$command = qq%
dbcc traceon(3604)
dbcc indexdefrag(test,mje2,mje2i)%;

print "*** command: \n$command\n";

$sth = $dbh->prepare($command);
die $DBI::errstr unless $sth;

$rc = $sth->execute(); # This is the 'do it'.....
do {
    my @row;
    print "RESULT:\n";
    while (@row = $sth->fetchrow_array()) {
        print "Data: ", join(", ", @row), "\n";
    }
} while ($sth->{odbc_more_results});

#$rows = $sth->dump_results();
print "*** return code: $rc \n";
print "*** rows: $rows\n";
print "\nCOMMAND OUTPUT (from odbc_err_handler):\n$err_text\n";

$dbh->disconnect;

and run it on a table:

create table mje2(a int)
create index mje2i on mje2 (a)
```

I get:

Name "main::rows" used only once: possible typo at ./x.pl line 42.

*** command:

```
dbcc traceon(3604)
dbcc indexdefrag(test,mje2,mje2i)
RESULT:
Data: 0,0,0
RESULT:
DBD::ODBC::st fetchrow_array failed: (DBD: st_fetch/SQLFetch err=-1) at ./x.pl
line 35.
Segmentation fault
```

Note the result of 0,0,0 which you don't get. It should not core dump and I'm investigating that – something to do with the dump_results (BTW, adding DBI->trace(6); to the start of the script stops the core dump :-). With your script (using dump_results) I get:

** command:

```
dbcc traceon(3604)
dbcc indexdefrag(test,mje2,mje2i)
'0', '0', '0'
1 rows
** return code: -1
** rows: 1
```

COMMAND OUTPUT (from odbc_err_handler):
[NetConn: 0198c638][Microsoft][ODBC SQL Server Driver][SQL Server]DBCC execution completed. If DBCC printed error messages, contact your system administrator.

DBI::db=HASH(0x81af90c)->disconnect invalidates 1 active statement handle (either destroy statement handles or call finish on them before disconnecting) at ./x.pl line 38.

Martin

```
--
Martin J. Evans
Easysoft Ltd, UK
Development
On 30-Dec-2003 Mitchell, Louise M wrote:
> Martin, et.al.,
>
> Getting back to this and still having difficulties... always get the
> 'Invalid cursor state' error message with many of the DBCC commands
> executed thru the DBD::ODBC.
>
> Here is a bit of code anyone could execute ( change server name )...
> it's a simple small test... below is the code and below that the
> output... nothing I do seems to work here. I am executing on a Windows
> server, using the most up-to-date DBI, DBD::ODBC, and MDAC...
>
> Any help is appreciated.
>
> Thanks,
> Louise Mitchell
>
> *****
> CODE
> *****
>#!d:\apps\perl\bin\perl.exe
>
> use DBI;
># using latest version of DBI and MDAC and DBD::ODBC....
>#
>
> $dbh = DBI->connect("dbi:ODBC:Driver={SQL
> Server};Server=irmdm2;Trusted_Connection=yes;"',',',',
```

perl.dbi.users: FWD: RE: [dbi] RE: succinct view of problem – getting results from DBCC INDEXDEFRAG – DBD::ODBC

```
>         { PrintError => 0,
>           RaiseError => 0,
>           LongReadLen => 65536,
>           odbc_async_exec => 0,
>           odbc_err_handler => sub {
>
>               my ($state, $msg) = @_;
>               # Strip out all of the driver ID
> stuff
>
>               $msg =~ s/^(\\[[\w\s]*\\)]+//;
>               $err_text .= $msg."\\n";
>               return 0;
>           }
>         }
>     );
>
>
> $command = qq%begin
> dbcc traceon(3604)
> DBCC INDEXDEFRAG(pps,cost_sheet,ix_cost_sheet_ul)
> end%;
>
> print "*** command: \\n$command\\n";
>
> $sth = $dbh->prepare($command);
>     die $DBI::errstr unless $sth;
>
> $rc = $sth->execute(); # This is the 'do it'.....
> $rows = $sth->dump_results();
> print "*** return code: $rc \\n";
> print "*** rows: $rows\\n";
> print "\\nCOMMAND OUTPUT (from odbc_err_handler):\\n$err_text\\n";
>
> $dbh->disconnect;
> *****
> OUTPUT
> *****
> ** command:
> begin
> dbcc traceon(3604)
> DBCC INDEXDEFRAG(pps,cost_sheet,ix_cost_sheet_ul)
> end
>
> 0 rows (-1: (DBD: no select statement currently executing err=-1))
> ** return code:
> ** rows: 0
>
> COMMAND OUTPUT (from odbc_err_handler):
> DBCC execution completed. If DBCC printed error messages, contact your
> system administrator.
> Invalid cursor state
>
>
> Tool completed successfully
>
> -----Original Message-----
> From: Martin J. Evans [mailto:martin@easysoft.com]
> Sent: Saturday, December 13, 2003 2:01 AM
> To: Mitchell, Louise M
> Subject: RE: succinct view of problem – getting results from DBCC
> INDEXDEFRAG – DBD::ODBC
>
>
```

FWD: RE: [dbi] RE: succinct view of problem – getting results from DBCC INDEXDEFRAG – DBD::ODBC

```

> Mitchell,
>
> OK, I get different results here.
>
> I am not running the perl on Windows but on Linux through our ODBC-ODBC
> Bridge to the MS SQL Server ODBC driver on Windows. My SQLNumResults
> call does not fail but it does return 0 columns which makes DBD::ODBC
> think there is no result-set - hence the "no select statement currently
> executing".
>
> The difference between our results is probably a difference in the MS
> SQL Server ODBC driver - I'd suggest getting the latest MDAC - see other
> postings on the list from Jeff Urlwin. However, this is not going to
> make any difference to the final result since DBREINDEX does not appear
> to be returning a result-set.
>
> From my OOB log (my comments start #):
>
> SQLExecute(0x8268f78)
> ^put_bound_parameters(0x8268f78,0x824a960,1)
>     Driver supports SQLNumParams : 1
>     remote sql_num_params()=0 (return parameters=0)
> -^put_bound_parameters()=SQL_SUCCESS (nparams <= 0) -SQLExecute(...)=1 #
> SQLExecute returns SQL_SUCCESS_WITH_INFO which means there is an ODBC #
> diagnostic to pick up
> SQLGetDiagRec(3,0x8268f78,1,0xbffff278,0xbffff274,0xbffff280,512,0xbffff
> 270)
>     0 records on client according to header
>     record 1 NOT found on client
>     Now looking for error record 1 on server -SQLGetDiagRec()=0
> SQLGetDiagRec(3,0x8268f78,2,0xbffff278,0xbffff274,0xbffff280,512,0xbffff
> 270)
>     0 records on client according to header
>     record 2 NOT found on client
>     Now looking for error record 2 on server -SQLGetDiagRec()=100 #
> these diags appear to be: # sqlstate=01000 native=2528 "[NetConn:
> 0627bd50][Microsoft][ODBC SQL Server # Driver][SQL Server]DBCC execution
> completed. If DBCC printed error messages, # contact your system
> administrator."
> SQLRowCount(0x8268f78,0x824b01c)
> -SQLRowCount(RowCount=-1)=0
> SQLNumResultCols(0x8268f78,0xbffff6de)
> -SQLNumResultCols()=0 (value=0)
> # SQLNumResultCols returns 0 columns in result-set - hence no result-set
> SQLMoreResults(0x8268f78)
> ^oob_new_result_set(0x8268f78,0,1)
> ^retrieve_server_diags(3,0x8268f78,3,0xaf1780)
>     1 diags found in server
>
> ^post_error(0x82690c8,8,1,0,(nil),0x824adc0,2528,0,0x40274227,0xbffff544
> ,0xbffff144)
>     -^post_error()
> -^retrieve_server_diags()
> -^oobc_new_result_set()=0 (f=0x21)
> -SQLMoreResults()=1
> # SQLMoreResults returns SQL_SUCCESS_WITH_INFO
> # so more diags to pick up
> SQLGetDiagRec(3,0x8268f78,1,0xbffff128,0xbffff124,0xbffff130,512,0xbffff
> 120)
>     1 records on client according to header
>     Found error record 1 on client
> -SQLGetDiagRec()=0

```

```
> SQLGetDiagRec(3,0x8268f78,2,0xbffff128,0xbffff124,0xbffff130,512,0xbffff
> 120)
>         1 records on client according to header
>         record 2 NOT found on client
>         Now looking for error record 1 on server -SQLGetDiagRec(=100 #
> these diags appear to be the same as above - again.
> SQLNumResultCols(0x8268f78,0xbffff6de)
> -SQLNumResultCols(=0 (value=0)
># Again, no resulting columns hence no result-set
> SQLMoreResults(0x8268f78)
> -SQLMoreResults(=100
># no more result-sets
>
> So no result-sets were created by the reindex. The example on MS site
> suggests you should see something like:
>
> Index (ID = 1) is being rebuilt.
>
> Perhaps you don't get these if the index does not need rebuilding.
>
> I don't mind being quoted on dbi-users.
>
> Martin
> --
> Martin J. Evans
> Easysoft Ltd, UK
> Development
>
> On 13-Dec-2003 Martin J. Evans wrote:
>> Mitchell,
>>
>> Forget that, I've reproduced here.
>>
>> Martin
>> --
>> Martin J. Evans
>> Easysoft Ltd, UK
>> Development
>>
>> On 13-Dec-2003 Martin J. Evans wrote:
>>> Mitchell,
>>>
>>> I don't see why SQLNumResultCols returns an invalid cursor state but
>>> it may be something to do with the SQLExecDirect returning a
>>> SQL_SUCCESS_WITH_INFO. Is it
>>> at all possible you could mail me your code and the info to allow me
> to run
>>> this against my SQL Server and I'll take a look.
>>>
>>> I see from the MS site that:
>>>
>>> DBCC DBREINDEX returns this result set (message) if the NO_INFOMSGS
>>> option is
>>> specified:
>>>
>>> DBCC execution completed. If DBCC printed error messages, contact
>>> your system administrator.
>>>
>>> which is what you got without specifying WITH NO_INFOMSGS.
>>>
>>> Martin
```

perl.dbi.users: FWD: RE: [dbi] RE: succinct view of problem – getting results from DBCC INDEXDEFRAG – DBD::ODBC

```
>>> --
>>> Martin J. Evans
>>> Easysoft Ltd, UK
>>> Development
>>>
>>> On 12-Dec-2003 Mitchell, Louise M wrote:
>>>> Martin,
>>>>
>>>> I did as you suggested, but am not sure how to interpret the
>>>> results... I've included it below... could you possibly take a
>>>> look... it seems to error about a SQLNumResultCols call....which is
>>>> confusing to me... this command (DBCC REINDEX) doesn't return a
>>>> result set...
>>>>
>>>> L
>>>> process_engine 9a0-81c      ENTER SQLAllocHandle
>>>>                SQLSMALLINT          3 <SQL_HANDLE_STMT>
>>>>                SQLHANDLE           01F32400
>>>>                SQLHANDLE *         01BA0CA8
>>>>
>>>> process_engine 9a0-81c      EXIT SQLAllocHandle with return code
>>>> > 0
>>>> (SQL_SUCCESS)
>>>>                SQLSMALLINT          3 <SQL_HANDLE_STMT>
>>>>                SQLHANDLE           01F32400
>>>>                SQLHANDLE *         0x01BA0CA8 ( 0x01f32d10)
>>>>
>>>> process_engine 9a0-81c      ENTER SQLPrepare
>>>>                HSTMT               01F32D10
>>>>                UCHAR *             0x01BA59A4 [      82] "begin\
> adbcc
>>>> traceon(3604)\ adbCC
>>>> DBREINDEX('pps.dbo.cost_sheet',ix_cost_sheet_ui)\
>>>> aend"
>>>>                SDWORD              82
>>>>
>>>> process_engine 9a0-81c      EXIT SQLPrepare with return code 0
>>>> (SQL_SUCCESS)
>>>>                HSTMT               01F32D10
>>>>                UCHAR *             0x01BA59A4 [      82] "begin\
> adbcc
>>>> traceon(3604)\ adbCC
>>>> DBREINDEX('pps.dbo.cost_sheet',ix_cost_sheet_ui)\
>>>> aend"
>>>>                SDWORD              82
>>>>
>>>> process_engine 9a0-81c      ENTER SQLFreeStmnt
>>>>                HSTMT               01F32D10
>>>>                UWORD                3 <SQL_RESET_PARAMS>
>>>>
>>>> process_engine 9a0-81c      EXIT SQLFreeStmnt with return code 0
>>>> (SQL_SUCCESS)
>>>>                HSTMT               01F32D10
>>>>                UWORD                3 <SQL_RESET_PARAMS>
>>>>
>>>> process_engine 9a0-81c      ENTER SQLExecute
>>>>                HSTMT               01F32D10
>>>>
>>>> process_engine 9a0-81c      EXIT SQLExecute with return code 1
>>>> (SQL_SUCCESS_WITH_INFO)
>>>>                HSTMT               01F32D10
>>>>
```

FWD: RE: [dbi] RE: succinct view of problem – getting results from DBCC INDEXDEFRAG – DBD::ODBC

```
>>>>          DIAG [01000] [Microsoft][ODBC SQL Server Driver][SQL
>>>> Server]DBCC execution completed. If DBCC printed error messages,
>>>> contact your system administrator. (2528)
>>>>
>>>> process_engine 9a0-81c          ENTER  SQLErrorW
>>>>          HENV                    01F31788
>>>>          HDBC                    01F32400
>>>>          HSTMT                   01F32D10
>>>>          WCHAR *                  0x0140F924 (NYI)
>>>>          SDWORD *                 0x0140FB68
>>>>          WCHAR *                  0x0140F524
>>>>          SWORD                    511
>>>>          SWORD *                  0x0140FB8A
>>>>
>>>> process_engine 9a0-81c          EXIT   SQLErrorW  with return code 0
>>>> (SQL_SUCCESS)
>>>>          HENV                    01F31788
>>>>          HDBC                    01F32400
>>>>          HSTMT                   01F32D10
>>>>          WCHAR *                  0x0140F924 (NYI)
>>>>          SDWORD *                 0x0140FB68 (2528)
>>>>          WCHAR *                  0x0140F524 [ 139]
>>>> "[Microsoft][ODBC SQL Server Driver][SQL Server]DBCC execution
>>>> completed. If DBCC printed error messages, contact your system
>>>> administrator."
>>>>          SWORD                    511
>>>>          SWORD *                  0x0140FB8A (139)
>>>>
>>>> process_engine 9a0-81c          ENTER  SQLErrorW
>>>>          HENV                    01F31788
>>>>          HDBC                    01F32400
>>>>          HSTMT                   01F32D10
>>>>          WCHAR *                  0x0140F924 (NYI)
>>>>          SDWORD *                 0x0140FB68
>>>>          WCHAR *                  0x0140F524
>>>>          SWORD                    511
>>>>          SWORD *                  0x0140FB8A
>>>>
>>>> process_engine 9a0-81c          EXIT   SQLErrorW  with return code 100
>>>> (SQL_NO_DATA_FOUND)
>>>>          HENV                    01F31788
>>>>          HDBC                    01F32400
>>>>          HSTMT                   01F32D10
>>>>          WCHAR *                  0x0140F924 (NYI)
>>>>          SDWORD *                 0x0140FB68
>>>>          WCHAR *                  0x0140F524
>>>>          SWORD                    511
>>>>          SWORD *                  0x0140FB8A
>>>>
>>>> process_engine 9a0-81c          ENTER  SQLErrorW
>>>>          HENV                    01F31788
>>>>          HDBC                    01F32400
>>>>          HSTMT                   00000000
>>>>          WCHAR *                  0x0140F924 (NYI)
>>>>          SDWORD *                 0x0140FB68
>>>>          WCHAR *                  0x0140F524
>>>>          SWORD                    511
>>>>          SWORD *                  0x0140FB8A
>>>>
>>>> process_engine 9a0-81c          EXIT   SQLErrorW  with return code 100
>>>> (SQL_NO_DATA_FOUND)
>>>>          HENV                    01F31788
```

perl.dbi.users: FWD: RE: [dbi] RE: succinct view of problem – getting results from DBCC INDEXDEFRAG – DBD::ODBC

```
>>>>          HDBC          01F32400
>>>>          HSTMT         00000000
>>>>          WCHAR *       0x0140F924 (NYI)
>>>>          SDWORD *      0x0140FB68
>>>>          WCHAR *       0x0140F524
>>>>          SWORD         511
>>>>          SWORD *       0x0140FB8A
>>>>
>>>> process_engine 9a0-81c   ENTER SQLErrorW
>>>>          HENV          01F31788
>>>>          HDBC          00000000
>>>>          HSTMT         00000000
>>>>          WCHAR *       0x0140F924 (NYI)
>>>>          SDWORD *      0x0140FB68
>>>>          WCHAR *       0x0140F524
>>>>          SWORD         511
>>>>          SWORD *       0x0140FB8A
>>>>
>>>> process_engine 9a0-81c   EXIT  SQLErrorW  with return code 100
>>>> (SQL_NO_DATA_FOUND)
>>>>          HENV          01F31788
>>>>          HDBC          00000000
>>>>          HSTMT         00000000
>>>>          WCHAR *       0x0140F924 (NYI)
>>>>          SDWORD *      0x0140FB68
>>>>          WCHAR *       0x0140F524
>>>>          SWORD         511
>>>>          SWORD *       0x0140FB8A
>>>>
>>>> process_engine 9a0-81c   ENTER SQLRowCount
>>>>          HSTMT         01F32D10
>>>>          SQLLEN *      0x01BA0CD0
>>>>
>>>> process_engine 9a0-81c   EXIT  SQLRowCount  with return code 0
>>>> (SQL_SUCCESS)
>>>>          HSTMT         01F32D10
>>>>          SQLLEN *      0x01BA0CD0 (-1)
>>>>
>>>> process_engine 9a0-81c   ENTER SQLNumResultCols
>>>>          HSTMT         01F32D10
>>>>          SWORD *       0x0140FBBA
>>>>
>>>> process_engine 9a0-81c   EXIT  SQLNumResultCols  with return
>>>> > code -1
>>>> (SQL_ERROR)
>>>>          HSTMT         01F32D10
>>>>          SWORD *       0x0140FBBA
>>>>
>>>>          DIAG [24000] [Microsoft][ODBC SQL Server
>>>> Driver]Invalid cursor state (0)
>>>>
>>>> process_engine 9a0-81c   ENTER SQLErrorW
>>>>          HENV          01F31788
>>>>          HDBC          01F32400
>>>>          HSTMT         01F32D10
>>>>          WCHAR *       0x0140F7F0 (NYI)
>>>>          SDWORD *      0x0140FA34
>>>>          WCHAR *       0x0140F3F0
>>>>          SWORD         511
>>>>          SWORD *       0x0140FA56
>>>>
>>>> process_engine 9a0-81c   EXIT  SQLErrorW  with return code 0
```

FWD: RE: [dbi] RE: succinct view of problem – getting results from DBCC INDEXDEFRAG – DBD::ODBC

perl.dbi.users: FWD: RE: [dbi] RE: succinct view of problem – getting results from DBCC INDEXDEFRAG – DBD::ODBC

```
>>>> (SQL_SUCCESS)
>>>>          HENV          01F31788
>>>>          HDBC          01F32400
>>>>          HSTMT         01F32D10
>>>>          WCHAR *       0x0140F7F0 (NYI)
>>>>          SDWORD *      0x0140FA34 (0)
>>>>          WCHAR *       0x0140F3F0 [ 55]
>>>> "[Microsoft][ODBC SQL Server Driver]Invalid cursor state"
>>>>          SWORD          511
>>>>          SWORD *       0x0140FA56 (55)
>>>>
>>>> process_engine 9a0-81c   ENTER SQLErrorW
>>>>          HENV          01F31788
>>>>          HDBC          01F32400
>>>>          HSTMT         01F32D10
>>>>          WCHAR *       0x0140F7F0 (NYI)
>>>>          SDWORD *      0x0140FA34
>>>>          WCHAR *       0x0140F3F0
>>>>          SWORD          511
>>>>          SWORD *       0x0140FA56
>>>>
>>>> process_engine 9a0-81c   EXIT  SQLErrorW  with return code 100
>>>> (SQL_NO_DATA_FOUND)
>>>>          HENV          01F31788
>>>>          HDBC          01F32400
>>>>          HSTMT         01F32D10
>>>>          WCHAR *       0x0140F7F0 (NYI)
>>>>          SDWORD *      0x0140FA34
>>>>          WCHAR *       0x0140F3F0
>>>>          SWORD          511
>>>>          SWORD *       0x0140FA56
>>>>
>>>> process_engine 9a0-81c   ENTER SQLErrorW
>>>>          HENV          01F31788
>>>>          HDBC          01F32400
>>>>          HSTMT         00000000
>>>>          WCHAR *       0x0140F7F0 (NYI)
>>>>          SDWORD *      0x0140FA34
>>>>          WCHAR *       0x0140F3F0
>>>>          SWORD          511
>>>>          SWORD *       0x0140FA56
>>>>
>>>> process_engine 9a0-81c   EXIT  SQLErrorW  with return code 100
>>>> (SQL_NO_DATA_FOUND)
>>>>          HENV          01F31788
>>>>          HDBC          01F32400
>>>>          HSTMT         00000000
>>>>          WCHAR *       0x0140F7F0 (NYI)
>>>>          SDWORD *      0x0140FA34
>>>>          WCHAR *       0x0140F3F0
>>>>          SWORD          511
>>>>          SWORD *       0x0140FA56
>>>>
>>>> process_engine 9a0-81c   ENTER SQLErrorW
>>>>          HENV          01F31788
>>>>          HDBC          00000000
>>>>          HSTMT         00000000
>>>>          WCHAR *       0x0140F7F0 (NYI)
>>>>          SDWORD *      0x0140FA34
>>>>          WCHAR *       0x0140F3F0
>>>>          SWORD          511
>>>>          SWORD *       0x0140FA56
```

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```
>>>>
>>>> process_engine 9a0-81c      EXIT  SQLErrorW  with return code 100
>>>> (SQL_NO_DATA_FOUND)
>>>>          HENV                01F31788
>>>>          HDBC                00000000
>>>>          HSTMT               00000000
>>>>          WCHAR *             0x0140F7F0 (NYI)
>>>>          SDWORD *           0x0140FA34
>>>>          WCHAR *             0x0140F3F0
>>>>          SWORD               511
>>>>          SWORD *            0x0140FA56
>>>>
>>>> process_engine 9a0-81c      ENTER SQLFreeHandle
>>>>          SQLSMALLINT         3 <SQL_HANDLE_STMT>
>>>>          SQLHANDLE           01F32D10
>>>>
>>>> process_engine 9a0-81c      EXIT  SQLFreeHandle  with return code
> 0
>>>> (SQL_SUCCESS)
>>>>          SQLSMALLINT         3 <SQL_HANDLE_STMT>
>>>>          SQLHANDLE           01F32D10
>>>>
>>>> process_engine 9a0-81c      ENTER SQLAllocHandle
>>>>          SQLSMALLINT         3 <SQL_HANDLE_STMT>
>>>>          SQLHANDLE           01F31830
>>>>          SQLHANDLE *        0140FAAC
>>>>
>>>> process_engine 9a0-81c      EXIT  SQLAllocHandle  with return code
> 0
>>>> (SQL_SUCCESS)
>>>>          SQLSMALLINT         3 <SQL_HANDLE_STMT>
>>>>          SQLHANDLE           01F31830
>>>>          SQLHANDLE *        0x0140FAAC ( 0x01f32d10)
>>>>
>>>> -----Original Message-----
>>>> From: Martin J. Evans [mailto:martin@easysoft.com]
>>>> Sent: Friday, December 12, 2003 12:58 AM
>>>> To: dbi-users@perl.org
>>>> Subject: RE: succinct view of problem - getting results from DBCC
>>>> INDEXDEFRAG - DBD::ODBC
>>>>
>>>>
>>>> Mitchell,
>>>>
>>>> Can you generate an ODBC trace to locate exactly how the invalid
>>>> cursor state occurs. You can do this from the ODBC Administrator
>>>> trace tab.
>>>>
>>>> Martin
>>>> --
>>>> Martin J. Evans
>>>> Easysoft Ltd, UK
>>>> Development
>>>>
>>>>
>>>> On 12-Dec-2003 Mitchell, Louise M wrote:
>>>>> All,
>>>>>
>>>>> I've posted bits of this earlier, but here is the problem in a
>>>>> nutshell... the code below executes DBCC INDEXDEFRAG in a MS SQL
>>>>> Server... I did some research on the 'invalid cursor state' that
>>>>> you'll see below in the output... this command returns a result
```

FWD: RE: [dbi] RE: succinct view of problem – getting results from DBCC INDEXDEFRAG – DBD::ODBC

```

> set,
>>>> so I realized I needed to retrieve that separately...that did not
>>>> solve the problem... so the bottom line is... how do I get the
> result
>>>> set from this sort of command... and also get the message output (
>>>> that's working right now...)
>>>>
>>>> Other commands, such as DBCC CHECKDB...don't return result sets, so
>
>>>> I
>>>> get all of the output handled in the odbc_err_handler...
>>>>
>>>> Here's the basic code.... results are below...you can see that the
>>>> 'dump_results' method didn't have anything to work on...
>>>>
>>>> Does anyone have any clues here?
>>>>
>>>> Thanks,
>>>> LouiseM
>>>>
>>>> *****
>>>> code
>>>> *****
>>>>#!d:\apps\perl\bin\perl.exe
>>>>
>>>> use DBI;
>>>>
>>>> $dbh_actions = DBI->connect
>>>>     ("dbi:ODBC:Driver={SQL
>>>> Server};Server=irmdm2;Trusted_Connection=yes;",'',',
>>>>     { PrintError => 0,
>>>>       RaiseError => 0,
>>>>       LongReadLen => 65536,
>>>>       odbc_async_exec => 0,
>>>>       odbc_err_handler => sub {
>>>>           my ($state, $msg) = @_;
>>>>           # Strip out all of the
> driver
>>>> ID stuff
>>>>
>>>>           $msg =~
> s/^\([\[\w\s]*\])+//;
>>>>
>>>>           $err_text .= $msg."\n";
>>>>           return 0;
>>>>         }
>>>>       );
>>>>
>>>>
>>>> $command = 'begin dbcc traceon(3604) DBCC
>>>> INDEXDEFRAG(pps,cost_sheet,ix_cost_sheet_ul) end';
>>>>
>>>> $sth = $dbh_actions->prepare($command);
>>>>     die $DBI::errstr unless $sth;
>>>>
>>>> $rc = $sth->execute(); # This is the 'do it'.....
>>>> $rows = $sth->dump_results();
>>>> print "** rows: $rows\n";
>>>> print "\nCOMMAND OUTPUT:\n$msgerr_text\n";
>>>>
>>>> $dbh_actions->disconnect;
>>>>
>>>> *****

```

perl.dbi.users: FWD: RE: [dbi] RE: succinct view of problem – getting results from DBCC INDEXDEFRAG – DBD::ODBC

```
>>>> RESULTS
>>>> *****
>>>>
>>>> 0 rows (-1: (DBD: no select statement currently executing err=-1))
>>>> ** rows: 0
>>>>
>>>> COMMAND OUTPUT:
>>>> DBCC execution completed. If DBCC printed error messages, contact
>>>> your
>>>>
>>>> system administrator. Invalid cursor state
-----End of forwarded message-----
--
Martin J. Evans
Easysoft Ltd, UK
Development
```

FWD: RE: [dbi] RE: succinct view of problem – getting results from DBCC INDEXDEFRAG – DBD::ODBC