

Re: DBD::Informix 2003.04 AIX4.3.3 SELECTIVE TEST ERRORS

Source: <http://coding.derkeiler.com/Archive/Perl/perl.dbi.users/2004-10/0065.html>

From: Jonathan Leffler (jonathan.leffler_at_gmail.com)

Date: 10/08/04

Date: Thu, 7 Oct 2004 15:01:07 -0700

To: "ODELL, TODD E (SWBT)" <to2958@sbc.com>

Dear Todd,

Thank you for using the Bug Reporting tools. It makes it so much easier because I get to see everything I need to see!

t05dbase.t failed to create a database that already existed – not a major problem (or, one which you could fix by removing the database).

t92rows.t and t93lvarchar.t are failing because t91udts.t is failing – an unwarranted and undesirable inter-dependency between independent tests.

t91udts.t is likely failing because of a 'test error' – your database server (9.21) doesn't understand something that the test is asking it to do (stuff which works in 9.30 and above). I'll take a heads up on it, but you should also take a heads up on upgrading to a more recent version of IDS.

Hmm, you're using DBI 1.45 – congratulations. I missed 1.44 (though it was only current for one day, so I'm not too worried about that). I'm getting some nasty failures from using 1.45.

I can't immediately see why t60unlog.t is failing on your system, but the chances of it being a major issue are limited. The test is related to unlogged databases.

I think you're good to go, despite the slightly uncomfortable feeling that those tests should be passing.

On Thu, 7 Oct 2004 15:07:58 -0500, ODELL, TODD E (SWBT) <to2958@sbc.com> wrote:

> *I'm having problems with a couple on tests. The bug report is below.*
> *Everything seems ok and most of the tests are alright but t60unlog,*
> *t91udts and t93lvarchar are partially failing. This is on an AIX4.3.3*
> *server. I haven't been able to find anything that might address this*
> *sort of failure for DBD::Informix make test on the maillist.*

```
>
> Any suggestions would be very appreciated!
>
> Todd
>
> Command: BugReport D t/t60unlog.t t/t91udts.t t/t92rows.t
> t/t93lvarchar.t
> Date: Thu Oct 7 14:35:10 CDT 2004
> Machine: sbctss (AIX 3)
> User: uid=0(root) gid=0(system)
> groups=2(bin),3(sys),7(security),8(cron),10(audit)
> Directory: /usr/opt/perl5/lib/5.6.1/DBD-Informix-2003.04
> Umask: 026
> Terminal: /dev/pts/4
>
> #
> # Perl Version
> Summary of my perl5 (revision 5.0 version 6 subversion 1) configuration:
> Platform:
> osname=aix, osvers=4.3.3.0, archname=aix
> uname='aix sbctss 3 4 000200554c00 '
> config_args=""
> hint=previous, useposix=true, d_sigaction=define
> usethreads=undef use5005threads=undef useithreads=undef
> usemultiplicity=undef
> useperlio=undef d_sfio=undef uselargefiles=define usesocks=undef
> use64bitint=undef use64bitall=undef uselongdouble=undef
> Compiler:
> cc='cc', cflags='-D_ALL_SOURCE -D_ANSI_C_SOURCE -D_POSIX_SOURCE
> -qmaxmem=16384 -DUSE_NATIVE_DLOPEN -q32 -D_LARGE_FILES -qlonglong',
> optimize='-O',
> cppflags='-D_ALL_SOURCE -D_ANSI_C_SOURCE -D_POSIX_SOURCE
> -qmaxmem=16384 -DUSE_NATIVE_DLOPEN -q32 -D_LARGE_FILES -qlonglong'
> ccversion='4.4.0.3', gccversion="", gccosandvers=""
> intsize=4, longsize=4, ptrsize=4, doublesize=8, byteorder=4321
> d_longlong=define, longlongsize=8, d_longdbl=define, longdblsize=8
> ivtype='long', ivsize=4, nvtype='double', nvsize=8, Off_t='off_t',
> lseeksize=8
> alignbytes=8, usemymalloc=n, prototype=define
> Linker and Libraries:
> ld='ld', ldflags='-brtl -b32'
> libpth=/lib /usr/lib /usr/ccs/lib
> libs=-lbind -lnsl -ldbm -ldl -lld -lm -lc -lcrypt -lbsd -lPW -liconv
> perllibs=-lbind -lnsl -ldl -lld -lm -lc -lcrypt -lbsd -lPW -liconv
> libc=/lib/libc.a, so=a, useshrplib=false, libperl=libperl.a
> Dynamic Linking:
> dlsrc=dl_aix.xs, dlext=so, d_dlsymun=undef,
> ccdlflags='-bE:/usr/opt/perl5/lib/5.6.1/aix/CORE/perl.exp
> -bE:/usr/opt/perl5/lib/5.6.1/aix/CORE/perl.exp'
> cccdlflags='', lddlflags='-bhalt:4 -bM:SRE -bI:$(PERL_INC)/perl.exp
> -bE:$(BASEEXT).exp -b noentry -lc'
```

```
>
> Characteristics of this binary (from libperl):
> Compile-time options: USE_LARGE_FILES
> Built under aix
> Compiled at Mar 5 2002 14:17:17
> @INC:
> /usr/opt/perl5/lib/5.6.1/aix
> /usr/opt/perl5/lib/5.6.1
> /usr/opt/perl5/lib/site_perl/5.6.1/aix
> /usr/opt/perl5/lib/site_perl/5.6.1
> /usr/opt/perl5/lib/site_perl
> .
>
> #
> # Informix Version
> INFORMIXDIR = /usr/informix
> ESQLC = esql
> Version = INFORMIX-ESQL Version 9.50.UC1
> DBMS Version = Informix Dynamic Server 2000 Version 9.21.UC4
> Informix Server Entries in sqlhosts file
>
> #
> # Sorted Environment
> AUTHSTATE=files
[...]
```

```
> _=/usr/local/bin/perl
>
> # End of Configuration Report
>
> #
> # Redoing configuration
> + [ ! -f Makefile ] || make realclean

[...]
```

```
> + rm -f esql esqlvrns.h esqlinfo.h
> + perl Makefile.PL
> *** ExtUtils::AutoInstall version 0.60
> *** Checking for dependencies...
> Subroutine WriteMakefile redefined at
> /usr/opt/perl5/lib/site_perl/5.6.1/ExtUtils/AutoInstall.pm line 487.
> [Core Features]
> - DBI ...loaded. (1.45 >= 1.33)
> [High Resolution Timing]
> - Time::HiRes ...loaded. (1.65)
> *** ExtUtils::AutoInstall configuration finished.
>
> Configuring IBM Informix Database Driver for Perl Version 2003.04
> (2003-03-05) (aka DBD::Informix)
> You are using DBI version 1.45 and Perl version 5.006001
> Remember to actually read the README file!
```

Ancient Perl – upgrade!

```
> Perl: perl5.006001 aix dl_aix.xs
> System: aix sbctss 3 4 000200554c00
> Compiler: cc -O -D_ALL_SOURCE -D_ANSI_C_SOURCE -D_POSIX_SOURCE
> -qmaxmem=16384 -DUSE_NATIVE_DLOPEN -q32 -D_LARGE_FILES -qlonglong
> Loader: ld
>
> Using INFORMIX-ESQL Version 9.50.UC1 from /usr/informix
>
> Beware: DBD::Informix is not yet aware of all the new IUS data types.
>
> Assert macro will be disabled!
>
> lib/DBD/Informix/Defaults.pm written OK
> esqlvrsn.h written OK
> esqlinfo.h written OK
>
> Testing whether your Informix test environment will work...
> 1506-173 (W) Option 32 is not valid. Enter xlc for list of valid
> options.
> 1506-173 (W) Option 32 is not valid. Enter xlc for list of valid
> options.
> ESQLTEST Program Running:
> @(#)$Id: esqltest.ec,v 100.3 2002/02/08 22:49:23 jleffler Exp $
> $INFORMIXDIR is set to '/usr/informix'.
> $INFORMIXSERVER is set to 'sbctss_s1'.
> $DBI_DBNAME set to 'adsl_results'.
> $DBD_INFORMIX_DATABASE set to 'adsl_results'.
> $DBD_INFORMIX_DATABASE2 set to 'webapp@sbctss2soc'.
> $DBD_INFORMIX_USERNAME is unset.
> $DBD_INFORMIX_USERNAME2 is set to 'root'.
> $DBD_INFORMIX_PASSWORD is unset.
> $DBD_INFORMIX_PASSWORD2 is set.
> Testing connection to adsl_results
> CONNECT TO 'adsl_results' – no user info
> Testing concurrent connection to webapp@sbctss2soc
> CONNECT TO 'webapp@sbctss2soc' with user info
> Your Informix environment is (probably) OK
>
> Fortunately, you are using a new version of ESQL/C. We could
> use 'esql –libs' to tell us which libraries to use, except that
> some versions of the esql script are very Clintonian and do not
> tell us the whole truth. So we have to do a fiddly workaround,
> editing the esql script on the fly and feeding the edited
> version to the shell and ... Oh, you really don't want to know
> what we do; it's horrid but it works, usually!
> ... Replacing reference to -lnetstub with /usr/informix/lib/netstub.a
> (override with DBD_INFORMIX_AIX_USENETSTUB)
> ... We are going to use the library list:
> -lifsq1 -lifasf -lifgen -lifos -lifgls /usr/informix/lib/netstub.a -lc_r
```

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```
> -ldl -ltli_r -lm_r /usr/informix/lib/esql/checkapi.o -lifglx
>
> Checking if your kit is complete...
> Looks good
> Using DBI 1.45 (for perl 5.006001 on aix) installed in
> /usr/opt/perl5/lib/site_perl/5.6.1/aix/auto/DBI/
> Writing Makefile for DBD::Informix
>
> #
> # Redoing build
> + make
[...]
```

> Manifesting blib/man3/DBD::Informix.3
> Target "makemakerdfmt" is up to date.
>
> #
> # Redoing general testing
> + make test
> PERL_DL_NONLAZY=1 /usr/local/bin/perl "-MExtUtils::Command::MM"
> "-e" "test_harness(0, 'blib/lib', 'blib/arch)" t/t00basic.t
> t/t01stproc.t t/t02ixtype.t t/t05dbase.t t/t07dblist.t t/t09exec.t
> t/t10sqlca.t t/t12bindval.t t/t13bindref.t t/t14bindcol.t t/t15bindtyp.t
> t/t20error.t t/t21mconn.t t/t22mconn.t t/t23mconn.t t/t24mcurs.t
> t/t25dratt.t t/t28dtlit.t t/t29update.t t/t30update.t t/t31nulls.t
> t/t32nulls.t t/t35cursor.t t/t40rows.t t/t41txacoff.t t/t42txacon.t
> t/t43trans.t t/t44txansi.t t/t46chpblk.t t/t50update.t t/t51getinfo.t
> t/t53types.t t/t54native.t t/t55mdata.t t/t56tabinfo.t t/t57tables.t
> t/t58typeinfoall.t t/t60unlog.t t/t65updcurs.t t/t66insert.t t/t72blob.t
> t/t73blobupd.t t/t74blob.t t/t75blob.t t/t76blob.t t/t90ius.t
> t/t91udts.t t/t92rows.t t/t93lvarchar.t t/t94bool.t t/t99clean.t
> t/t00basic.....ok
> t/t01stproc.....ok
> t/t02ixtype.....ok
> t/t05dbase.....DBD::Informix::db do failed: SQL: -330: Cannot
> create or rename database.
> ISAM: -100: ISAM error: duplicate value for a record with unique key.
> at
> /usr/opt/perl5/lib/5.6.1/DBD-Informix-2003.04/blib/lib/DBD/Informix/Test
> Harness.pm line 336.
> DBD::Informix::db prepare failed: SQL: -349: Database not selected yet.
> at t/t05dbase.t line 39.
> Can't call method "execute" on an undefined value at t/t05dbase.t line
> 40.
> dubious
> Test returned status 255 (wstat 65280, 0xff00)
> DIED. FAILED tests 2-13
> Failed 12/13 tests, 7.69% okay
> t/t07dblist.....ok
> t/t09exec.....ok
> t/t10sqlca.....ok
> t/t12bindval.....ok

```
> t/t13bindref.....skipped
> all skipped: bind_param_inout not supported by DBD::Informix
> t/t14bindcol.....ok
> t/t15bindtyp.....ok
> t/t20error.....ok
> t/t21mconn.....ok
> t/t22mconn.....ok
> t/t23mconn.....ok
> t/t24mcurs.....ok
> t/t25dratt.....ok
> t/t28dtlit.....ok
> t/t29update.....ok
> t/t30update.....ok
> t/t31nulls.....ok
> t/t32nulls.....ok
> t/t35cursor.....ok
> t/t40rows.....ok
> t/t41txacoff.....ok
> t/t42txacon.....ok
> t/t43trans.....ok
> t/t44txansi.....skipped
> all skipped: MODE ANSI test – database 'adsl_results' is not
> MODE ANSI
> t/t46chpblk.....ok
> t/t50update.....ok
> t/t51getinfo.....ok
> t/t53types.....ok
> t/t54native.....ok
> t/t55mdata.....ok
> t/t56tabinfo.....ok
> t/t57tables.....ok
> t/t58typeinfoall....ok
> t/t60unlog.....!! Terminating Test !!
> DBD::Informix::TestHarness::stmt_fail called at t/t60unlog.t
> line 73
> dubious
> Test returned status 255 (wstat 65280, 0xff00)
> DIED. FAILED tests 8–9
> Failed 2/9 tests, 77.78% okay
> t/t65updcurl.....ok
> t/t66insert.....ok
> t/t72blob.....ok
> t/t73blobupd.....ok
> t/t74blob.....ok
> t/t75blob.....ok
> t/t76blob.....ok
> t/t90ius.....ok
> t/t91udts.....DBD::Informix::st execute failed: SQL: –9602:
> Illegal attempt to convert a collection type into another type. at
> t/t91udts.t line 130.
> Died at t/t91udts.t line 130.
```

```
> dubious
> Test returned status 255 (wstat 65280, 0xff00)
> DIED. FAILED tests 10-16
> Failed 7/16 tests, 56.25% okay
> t/t92rows.....DBD::Informix::db do failed: SQL: -9991: Named row
> type (dbd_ix_udts_named) already exists in database. at t/t92rows.t line
> 27.
> DBD::Informix::db do failed: SQL: -9990: Cannot drop named row type
> (dbd_ix_udts_named): still in use. at t/t92rows.t line 133.
> ok
> t/t93lvarchar.....DBD::Informix::db do failed: SQL: -9996: Distinct
> type (root.dbd_ix_distoflvc) already exists in database. at
> /usr/opt/perl5/lib/5.6.1/DBD-Informix-2003.04/blib/lib/DBD/Informix/Test
> Harness.pm line 336.
> DBD::Informix::db do failed: SQL: -9630: Cannot drop type
> (dbd_ix_distoflvc): still in use. at t/t93lvarchar.t line 119.
> dubious
> Test returned status 1 (wstat 256, 0x100)
> DIED. FAILED test 1
> Failed 1/7 tests, 85.71% okay
> t/t94bool.....ok
> t/t99clean.....ok
> Failed 4/51 test scripts, 92.16% okay. 22/1226 subtests failed, 98.21%
> okay.
> Failed Test Stat Wstat Total Fail Failed List of Failed
>
-----
> -----
> t/t05dbase.t 255 65280 13 23 176.92% 2-13
> t/t60unlog.t 255 65280 9 3 33.33% 8-9
> t/t91udts.t 255 65280 16 14 87.50% 10-16
> t/t93lvarchar.t 1 256 7 1 14.29% 1
> 2 tests skipped.
> make: 1254-004 The error code from the last command is 11.
>
> Stop.
> failed on general testing at
> /usr/opt/perl5/lib/site_perl/5.6.1/aix/DBD/Informix/TechSupport.pm line
> 235.
>
> #
> # Doing selective testing
> + sh test.one.sh t/t60unlog.t t/t91udts.t t/t92rows.t t/t93lvarchar.t
> # Test DBI->connect('dbi:Informix::DEFAULT.')
> 1..9
> ok 1
> # Create unlogged database dbd_ix_db
> # Test: do('create database dbd_ix_db'):
> ok 2
> ok 3
> # Passed 1 row(s) as expected with no failures
```

```
> ok 4
> # Test: do('close database'):
> ok 5
> ok 6
> # Test DBI->connect('dbi:Informix:dbd_ix_db',...,{AutoCommit=>0})
> !! Terminating Test !!
> DBD::Informix::TestHarness::stmt_fail called at t/t60unlog.t
> line 73
> # Connection failed – which is the correct response
> ok 7
> not ok 8
> # Error Message:
> # SQL: -256: Transaction not available.
> # SQLSTATE =
> # Driver Information
> # Name: Informix
> # Version: 2003.04
> # Product: INFORMIX-ESQL Version 9.50.UC1
> # Product Version: 950
> # Connect to: adsl_results
> # IUS data types can be tested!
> 1..16
> # drop table dbd_ix_udts
> # Error Message:
> # SQL: -206: The specified table (dbd_ix_udts) is not in the database.
> # ISAM: -111: ISAM error: no record found.
> # SQLSTATE = 42000
> # drop type dbd_ix_distofi8 restrict
> # drop type dbd_ix_distofbool restrict
> # drop type dbd_ix_distoflvc restrict
> # drop type dbd_ix_distofnamed restrict
> # drop row type dbd_ix_udts_named restrict
> # Test: do('create row type dbd_ix_udts_named (i int)'):
> ok 1
> # Test: do('create distinct type dbd_ix_distofi8 as int8'):
> ok 2
> # Test: do('create distinct type dbd_ix_distofbool as boolean'):
> ok 3
> # Test: do('create distinct type dbd_ix_distoflvc as lvarchar'):
> ok 4
> # Test: do('create distinct type dbd_ix_distofnamed as
> dbd_ix_udts_named'):
> ok 5
> # Test: do('
> # create table dbd_ix_udts
> # (s8 serial8,
> # i8 int8,
> # b boolean,
> # lvc lvarchar,
> # unnamed row(i int, l lvarchar),
> # named dbd_ix_udts_named,
```



```

> # EXECUTE
> ok 8
> # deleted 1
> ok 9
> DBD::Informix::db do failed: SQL: -9990: Cannot drop named row type
> (dbd_ix_udts_named): still in use. at t/t92rows.t line 133.
> ok 10
> ok 11
> # *** Testing of DBD::Informix complete ***
> # *** You appear to be normal! ***
> # Driver Information
> # Name: Informix
> # Version: 2003.04
> # Product: INFORMIX-ESQL Version 9.50.UC1
> # Product Version: 950
> # Connect to: adsl_results
> # IUS data types can be tested!
> 1..7
> # drop table dbd_ix_lvvarchar
> # Error Message:
> # SQL: -206: The specified table (dbd_ix_lvvarchar) is not in the
> database.
> # ISAM: -111: ISAM error: no record found.
> # SQLSTATE = 42000
> # drop type dbd_ix_distoflvc restrict
> # Error Message:
> # SQL: -9630: Cannot drop type (dbd_ix_distoflvc): still in use.
> # SQLSTATE = IX000
> # Test: do('create distinct type dbd_ix_distoflvc as lvvarchar'):
> DBD::Informix::db do failed: SQL: -9996: Distinct type
> (root.dbd_ix_distoflvc) already exists in database. at
> blib/lib/DBD/Informix/TestHarness.pm line 336.
> not ok 1
> # Test: do('
> # create table dbd_ix_lvvarchar (s serial, lvc lvvarchar, dlvc
> dbd_ix_distoflvc)'):
> ok 2
> # Test: do('insert into dbd_ix_lvvarchar values (10203040,
> '123456789012345678901234567890123456789012345678901234567890',
> '123456789012345678901234567890123456789012345678901234567890')'):
> ok 3
> # PREPARE: insert into dbd_ix_lvvarchar values (?, ?, ?)
> ok 4
> ok 5
> # inserted nulls OK
> # PREPARE: select s, lvc from dbd_ix_lvvarchar order by s
> # ROW-1: 10203040 12345678901234567890123456789012345678901234567890
> # ROW-2: 11213141 12345678901234567890123456789012345678901234567890
> # ROW-3: 12223242 .
> # fetched 3 rows
> # PREPARE: select s, lvc, dlvc from dbd_ix_lvvarchar order by s

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```
> # ROW-1: 10203040 12345678901234567890123456789012345678901234567890
> 12345678901234567890123456789012345678901234567890
> # ROW-2: 11213141 12345678901234567890123456789012345678901234567890
> 12345678901234567890123456789012345678901234567890
> # ROW-3: 12223242 ..
> # fetched 3 rows
> # PREPARE: select s, lvc, dlvc, 'abc'::lvvarchar from dbd_ix_lvvarchar
> order by s
> # ROW-1: 10203040 12345678901234567890123456789012345678901234567890
> 12345678901234567890123456789012345678901234567890 abc
> # ROW-2: 11213141 12345678901234567890123456789012345678901234567890
> 12345678901234567890123456789012345678901234567890 abc
> # ROW-3: 12223242 .. abc
> # fetched 3 rows
> # PREPARE: select s, lvc, dlvc, 'abc'::lvvarchar, lvc as lvc_2 from
> dbd_ix_lvvarchar order by s
> # ROW-1: 10203040 12345678901234567890123456789012345678901234567890
> 12345678901234567890123456789012345678901234567890 abc
> 12345678901234567890123456789012345678901234567890
> # ROW-2: 11213141 12345678901234567890123456789012345678901234567890
> 12345678901234567890123456789012345678901234567890 abc
> 12345678901234567890123456789012345678901234567890
> # ROW-3: 12223242 .. abc .
> # fetched 3 rows
> # PREPARE: select s, lvc, dlvc, 'abc'::lvvarchar, lvc as lvc_2, dlvc as
> dlvc_2 from dbd_ix_lvvarchar order by s
> # ROW-1: 10203040 12345678901234567890123456789012345678901234567890
> 12345678901234567890123456789012345678901234567890 abc
> 12345678901234567890123456789012345678901234567890
> 12345678901234567890123456789012345678901234567890
> # ROW-2: 11213141 12345678901234567890123456789012345678901234567890
> 12345678901234567890123456789012345678901234567890 abc
> 12345678901234567890123456789012345678901234567890
> 12345678901234567890123456789012345678901234567890
> # ROW-3: 12223242 .. abc ..
> # fetched 3 rows
> DBD::Informix::db do failed: SQL: -9630: Cannot drop type
> (dbd_ix_distoflvc): still in use. at t/t93lvvarchar.t line 119.
> ok 6
> ok 7
> # *** Testing of DBD::Informix complete ***
> # *** There appear to be some problems! ***
>
> # End of Bug Report
>
> Todd E. O'Dell
> Network Services ( DATA )
> Room 1118
> 500 E. 8th
> Kansas City, MO 64106
> Office: (816)275-3626
```

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> *Alpha Page: 8162125424@archwireless.net*
> *to2958@sbc.com*
> *Rigidity and inflexibility are forever the enemy of ingenuity and*
> *creativity. -- Teodor Zlatanov*
>
>

--
Jonathan Leffler <jonathan.leffler@gmail.com> #include <disclaimer.h>
Guardian of DBD::Informix - v2003.04 - <http://dbi.perl.org>
"I don't suffer from insanity - I enjoy every minute of it."