

Problem with Storable on Windows

Source: <http://coding.derkeiler.com/Archive/Perl/comp.lang.perl.modules/2005-07/msg00023.html>

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I'm trying to use Storable in conjunction with IPC::Open3 in order to send complex data structures between the parent and child processes. Unfortunately, although this seems to work a treat under Linux (Fedora Core 4), it doesn't seem to work on Windows, returning the following message:

Magic number checking on storable file failed at blib\lib\Storable.pm (autosplit into blib\lib\auto\Storable\fd_retrieve.al) line 323, at D:\Data\Perl\DBAsyncWorker.pl line 13

Here's my code:

Caller:

```
#!/usr/bin/perl

use Storable qw(nstore_fd freeze) ;
use IPC::Open3 ;
use IO::Handle ;

autoflush STDOUT ;
print "Caller starting\n" ;
$Storable::Deparse = 1 ;
%parms = ( data_source => 'DBI:Pg:dbname=matthew',
userid => 'matthew',
password => 'vishnu',
statement => 'select * from test_table' ) ;
$command = 'DBAsyncWorker.pl' ;
print "About to call worker\n" ;
$pid = open3($wtr,$rdr,$err,$command) ;
# This line added for Windows
binmode $wtr ;
print "Worker started\n" ;

while(($line = <$rdr>) !~ 'End') {
if ($line =~ /START/) {
print "Received start command\n" ;
nstore_fd \%parms, $wtr ;
}
}
```

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```
else {  
print $line ;  
}  
}
```

Worker:

```
#!/usr/bin/perl  
  
use DBI ;  
use Data::Dumper ;  
use IO::Handle ;  
use Storable qw(fd_retrieve thaw) ;  
  
$Storable::Eval = 1 ;  
  
autoflush STDOUT ;  
# This line added for Windows  
binmode STDIN ;  
print "START\n";  
$parm_ref = fd_retrieve(\*STDIN) ;  
print "Retrieved parm reference\n",Dumper($parm_ref) ;  
print "Userid = ",$parm_ref->{userid}," \n" ;  
print "Password = ",$parm_ref->{password}," \n" ;  
print "Statement = ",$parm_ref->{statement}," \n" ;  
print "End\n" ;
```

Here's what I've tried, without luck:

- * Using store_fd instead of nstore_fd
- * Using freeze in the caller, printing the frozen value to \$wtr, and then reading it on the worker using sysread and using thaw

Freeze'ing and thaw'ing within a single program works fine, it's just when I send it over a file handle that the problem occurs.

Does anybody have any ideas ?

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- *Follow-Ups:*

- ◆ *Re: Problem with Storable on Windows*

- ◇ From: Thomas Kratz

- Prev by Date: *Re: Reusing SQL data-related logic, replacing weird modules and improving Class::DBI*
- Next by Date: *BASIC language.*

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