



# The Inside Track

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Frequently asked questions, tech tips, & problem reports for users of Thoroughbred Software Products

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Volume 4 Issue 2

February 1997

## Thoroughbred *Basic*<sup>TM</sup>

**Q:** Is the OPEN mnemonic automatically sent when you open a printer in *Basic*?

**A:** No, however the Printer Table associated with that printer in IDOL-IV<sup>TM</sup> is loaded. You can manually send it with PRINT(channel#)'OPEN'

**Q:** Can I hard code my Terminal ID's in Windows like I can in UNIX?

**A:** Yes, just start with "b tt" where "tt" is the Terminal ID.

**Q:** How can I pass in a calling program's name without using the *Basic* DUMP directive?

**A:** Pass the system variable called PGN into the called program.

**Q:** How do you delete mnemonic from a terminal table using \*NPSD?

**A:** In \*NPSD, select "MODIFY TERMINAL TABLES". Type END. Type M for modify terminal tables. Enter the terminal table to modify. Hit Enter through all the question until you get to the list of mnemonics. Enter the mnemonic to be deleted. Type in DELETE at question 39.1. Type END and answer Y to save table.

**Q:** Why am I unable to "SYSTEM" out of my *Basic* Environment for Windows 95?

**A:** You need to setup a 'PIF' file called DOSPRMPT.PIF, with a command line of COMMAND.COM.

**Q:** Why am I receiving an SCO "Signal 31" error while running the Sales Journal Update in Solution-IV<sup>TM</sup>?

**A:** A Signal 31 in SCO OPENServer 5 is a File Size Limit Exceeded. You will need to raise the 'ulimit' in the Operating System kernel.

## IDOL-IV<sup>TM</sup>

**Q:** Using *Script-IV*<sup>TM</sup>, how can I find out the UNIX login information for a user?

**A:** The *Basic* INF function provides information for tasks. This function can also be used in IDOL-IV Scripts. INF(3,2) provides the user Login ID INF(3,3) provides the user Login name. See the Thoroughbred *Basic* Reference Manual for further assistance.

**Q:** How can I tell if a Report has been printed to the screen or to a printer?

**A:** You can FORMAT INCLUDE #IDSV (IDOL-IV control format) and check the value of PRINTER-IDPUT0. If the value is equal to the Terminal ID then it was printed to the screen.

**Q:** How do I create a new mnemonic for my printer?

**A:** You need to get the hex code that the printer is expecting for the desired mnemonic from the Printer Manual. Then go into Printer Table Maintenance on IDOL-IV menu "IDMENU2". Next add the mnemonic to the table.

ex:    ZZ10    'ES',\$AA\$

where ZZ10 is the mnemonic name, 'ES' is the escape and \$AA\$ is the hex code from the manual

**Q:** Why am I getting an ERR=47 on line 7495 of IRPEA0 when I try to create any new reports?

**A:** A report definition that is used as a base template and is called "IDRSTART" is damaged. Remove this report and get a clean copy of this report from a dictionary backup from another system. You can modify IDRSTART with specific information that you want to have in every report defined and all reports created from then on will come up with that predefined information in it.

### **OPENworkshop**<sup>TM</sup>

**Q:** I have just installed OPENworkshop on my AIX 3.25 machine. When I try to run "OO" the system just hangs. When I break out and do a Dump Retry the error that I am receiving is an ERR=13.

**A:** You do not have a hierarchical directory setup in your IPLINPUT file. A typical entry is:

DEV D9,1,,,1,,

**Q:** How do you pre-populate fields in a logical screen when using the CONNECT SCREEN syntax?

**A:** You need to populate the fields in a data-name preprocess specified on one of the fields in the screen due to the fact that CONNECT SCREEN initializes the format when it first starts up. Use MSG\$[0]="PRINT" to display the fields you just populated.

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Volume 4 Issue 3

March 1997

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**A:** No, however the Printer Table associated with that printer in IDOL-IV is loaded. You may manually send it with PRINT(channel#)'OPEN'.

**Q:** Can I hard code my Terminal ID's in Windows like I can in UNIX?

**A:** Yes, start *Basic* with "b tt" where "tt" is the Terminal ID.

**Q:** How can I pass a calling program's name into a *Basic* public program without using the *Basic* DUMP directive?

**A:** Pass the system variable called PGN into the called program.

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**A:** You need to have the hex code that the printer is expecting for the desired mnemonic from the Printer Manual. Then go into Printer Table Maintenance on the IDOL-IV menu "IDMENU2". Next, add the mnemonic to the table:

ex: ZZ10 ES,\$AA\$

where ZZ10 is the mnemonic name, 'ES' is the escape and \$AA\$ is the hex code from the manual.

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DEV D9,1,,,1,,

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# The Inside Track

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Frequently asked questions, tech tips, & problem reports for users of Thoroughbred Software Products

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Volume 4 Issue 4

April 1997

## Thoroughbred *Basic*<sup>TM</sup>

**Q:** Why are all my *Basic* printers, in Microsoft Windows, printing to the same place?

**A:** You have the Windows spool flag set for each printer (the 4th comma past the 4 on the DEV line) set to a 1 or 3. This will cause the output to go to the default Windows printer. Set the flag to null or 0 and use the UNC name on the end of the DEV line.

**Q:** What is the best way to check to see if an SQL Date field is blank?

**A:** If there is no data in the date field, check the date field against six nulls or spaces. For example:

```
IF #FORMAT.DATE-FIELD = $000000000000$ OR  
#FORMAT.DATE-FIELD = "    " THEN...
```

Note: The four-byte SQL date field always starts with a \$80\$, so do not check the first byte, it will never be a space.

**Q:** I have 11 directories defined in my IPL file, D0 through DB. When I use \*JPSD to enable/disable directory number 10, which is DA, it changes D1 and D0. How can I change DA?

**A:** You need to use the second value from the ID column. For "DA" it would be just "A". <F6> in the \*JPSD utility will provide assistance and examples.

**Q:** How do I setup *Basic* to automatically assign task IDs without having to specify them on the command line on a Novell 4.1 network?

**A:** Add MACHINE=%P\_STATION in the workstation login script. Run the program called NODENAME and add the value that is displayed in your "TERMINAL" file that resides on the server. This should be done on each workstation.

**Q:** How can I setup a directory in my IPL file so that I can only load and run programs from this directory and not be able to save them?

**A:** Make the permissions on the directory (r)ead and e(x)ecute, and make the file permissions just (r)ead.

**Q:** How can I make sure I open a printer with a specific printer table?

**A:** OPEN(C,OPT="TABLE=printer\_table")"printer\_task" where C is the channel the printer is to be opened on.

**VIP/Gateway for Windows™**

**Q:** What VIP™ files do I need to distribute with my software which has custom GUI screens?

**A:** First, you will need the \*.txt files in the \vip\dictiv\screensg directories of your development machines. Second, you will want to install them to the \vip\dictiv\screensg directory of the customers' machines.

**Q:** What is the proper order in which the object libraries should be opened and how can I insure that this will happen?

**A:** The recommended methodology is to let the program "ID", which was designed to do this, perform the OPENS.

**How it works:**

The VIP-OBJ object library should be opened first, the IDOL-IV™ object library second. You can make sure by putting the necessary PRM OPENLIBs in your IPL file. Channel numbers have nothing to do with the sequence in which object libraries are read and accessed.

**For example:**

```
PRM OPENLIB=VIP-OBJ,32600  
PRM OPENLIB=IDOL-IV,32700
```

**Q:** Why am I hanging on the next INPUT or FINPUT for 15 seconds after I call 8MENU, 8VIEWF, 8INPUT, OO1Z, OO2A, or OO3A?

**A:** Thoroughbred *Basic* does not have the focus. This can be changed in the VIP options. To gain access to this option, Run "VIP" and click on the "Workstation Options". In the "VIP to Host" Relationship box, uncheck the "No Focus Control" option. Another option would be to add the following code in your 3GL application to get focus back to Thoroughbred *Basic*:

```
DIM MSG$[5];  
MSG$[1]="F";  
MSG$[2]="ME";  
CALL "GWWCOM",MSG$[ALL]
```

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# The Inside Track

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Frequently asked questions, tech tips, & problem reports for users of Thoroughbred Software Products

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Volume 4 Issue 5

May 1997

## Thoroughbred *Basic*<sup>TM</sup>

**Q:** What is the best way to check to see if an SQL Date field is blank?

**A:** If there is no data in the date field, check the date field against six nulls or spaces. For example:

```
IF #FORMAT.DATE-FIELD = $000000000000$ OR
```

```
#FORMAT.DATE-FIELD = "    " THEN...
```

**Note:** The four-byte SQL date fields always start with a \$80\$, so do not check the first byte, it will never be blank.

**Q:** Where can I find the lock files for direct printers?

**A:** They are in the /tmp directory. The two files you are looking for are:

```
unix_device_name.lck
```

```
unix_device_name.task-id
```

**Note:** If you have your printer in a subdirectory in the /dev directory (/dev/printer), then you will need to look in /tmp/printer'.

**Q:** Why am I getting an Error 103 while running my application?

**A:** An Error 103 is an Unexpected Operating System Error. To find out what the OS error is, escape to a READY prompt in Thoroughbred *Basic* and PRINT TCB(3) as soon as you receive the error. The value that is returned is the operating system error. You can lookup the explanation for the error in the following UNIX file:

```
usr/include/sys/errno.h
```

**Note:** TCB(3) = 2 means "no such file or device". This is the default error if no operating system error occurred.

**Q:** Why does nothing happen when I issue the "SYSTEM" command from the Thoroughbred *Environment* for Windows *Basic* console mode?

**A:** You must first setup a Windows PIF file called DOSPRMPT.PIF and have it run COMMAND.COM.

**Q:** What is the syntax for defining a named sort in a MSORT file?

**A:** The following syntax creates a MSORT file "custmstr" with a named sort "ROWID", whose definition is field 1 byte Position 1 for a length of 5 bytes, Unique keys, 50 records, each record is 256 bytes long, on disk 3.

```
MSORT "custmstr","ROWID":[1:1:5]:"U",50,256,3,0
```

```
MSORT "custmstr", "NAME":[3:1:20]:"D",50,256,3,0
```

### **OPENworkshop**<sup>TM</sup>

**Q:** Why am I receiving an Error 12 while using the OPENworkshop Global Cross Reference feature?

**A:** This is happening because certain files that OPENworkshop needs are not created at Installation time. Go into Link Maintenance of the following links and create their corresponding data files:

OOLSYSG, OOLSYSH, OOLSYSL, OOLSYSM

**Q:** I have a CONNECT VIEW that has a post process Script Method on the key field. In that method I am trying to use a PRINT VIEW to do a lookup, get the key, READ the link using that key, get the information out of that record to assign my #format.fields, and send back a "PRINT ROW" Return Directive to update my CONNECT VIEW. Why are all of my fields with the exception of my current field in the CONNECT VIEW being updated?

**A:** The user input field, MSG1\$[2] is being rewritten in #format.field after you leave the script method. You need to LET MSG1\$[2] = the current field, the key field in this case, before exiting the script.

**Q:** How would I pre-populate certain fields when I insert new records in a CONNECT VIEW that was called from another CONNECT VIEW?

**A:** Use an INSERT METHOD in the format of your CONNECT VIEW.  
LET #VIEW2.FIELD1 = #VIEW1-FIELD1 and any other fields you need to pre-populate.  
LET MSG1\$[0]="PRINT ROW;GOTO FIELD *non-key-field*"



# The Inside Track

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Volume 4 Issue 6

June 1997

## IDOL-IV™

**Q:** How does all the message dictionaries and messages that are loaded into memory, affect my script efficiency?

**A:** In a script, the size of a message dictionary does affect memory usage, however, the number of message dictionaries referenced does not. Therefore, it is more beneficial to have multiple small message dictionaries than one large one.

**Q:** How do I move messages from one message dictionary to another or how do I delete messages from a Message Dictionary?

**A:** You cannot move or delete a message from a message dictionary. A message can be re-used. To keep track of unused messages, when a message becomes available replace the message text with a comment such as:

**\*Not Used\* or \*Available\* or space out the message text.**

**Q:** I am using the OO41 program to write to two different files in my script. Why does the second call to OO41 write nothing to the second file?

**A:** Consecutive writes to two different files using OO41 could corrupt the second file. The call to OO41 should each call. You can easily solve this by using a public script that calls your 3GL program to be localized in a program/script. OO41 is not clearing the necessary variables after process the OO41 API.

**Q:** How can I have a Form Feed sent to my printer at the end of a Report?

**A:** You can set up a CBxx line that checks for EOF in the Control Section. Then in the Report Section have a CBxxC line that has a /PC=FF'. Another method is to insert the following line in the ENTRY SECTION "T999 /PC=FF".

**Q:** I selected, in the operator preferences, to output to a file and use the file extension TXT. How would I change the directory that a *Query* outputs to?

**A:** Set #IDSV.DISK-NBR-DATAFILES to the directory number you wish to save your output files. You can do this in a script or have a Thoroughbred *Basic™* program do a FORMAT INCLUDE #IDSV, OPT="NONE" and then make the same assignment as above. This variable also controls where data files get created when an OPEN LINK CREATE or NEW directive is executed in a script.

- Q:** I would like to have a field in my object view that is actually the key to another file. Can I join a field from another file into an object view without writing a script or method?
- A:** Yes. While in object view maintenance, go to where you want to insert the field and press Insert. In the deleted fields window that appears, select the A<?> field. In the insert field window, type in the width of the desired field and the link.dataname you wish to insert. If you have made a mistake and wish to change this field length, etc., simply go to that field and press <F3>.

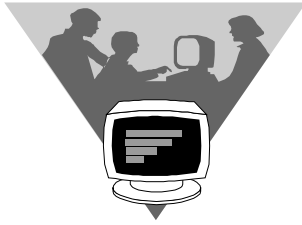
### Thoroughbred DataServers

- Q:** I have just installed the Thoroughbred DataServer for an NT Server. I have created a SERVER.MAP file, but I am unable to connect to the host. I receive a message "Unable to get host information", why?
- A:** You do not have a HOSTS file or if you are using DNS, it is not configured properly. The 'hosts' file should be in the "Windows" directory on '95 and 3.11 and it should be in the "\\winnt\system32\driver\etc" directory for NT. The file "HOSTS" should have the following format:
- IP Address<space>Computer Name  
An example: 198.198.190.16      support
- Q:** I have Thoroughbred *Basic*<sup>TM</sup> in the "Start In" directory of the Windows 95 Shortcut that I am using for *Basic* 8.4.0. Why is *Basic* not recognizing my SERVER.MAP file?
- A:** If you used Notepad to create the SERVER.MAP file, it will automatically put a .TXT extension on any file it creates. Open a DOS windows and use EDIT to create the SERVER.MAP file in the Shortcut's "Start In" directory.
- Q:** What is the difference between Multi Tier and Single Tier ODBC?
- A:** In a Single Tier model the client and server elements reside on the same platform, ie.. A Windows PC. In the Multi Tier model the client and the ODBC driver reside on the client platform which is connected via lan to the Server platform, where the Server and data reside, ie., Windows Client to UNIX or NT Server.  
**NOTE:** The Single Tier client is 32bits while the Multi Tier client is 16 or 32bits.
- Q:** Why am I receiving the message "Could not connect to Thoroughbred foreign file server" while attempting to run the *Basic* with an Oracle DB DEV line?
- A:** This is due to the fact that you started "tsoracle" with a port number. You should use the default port id in execution of tsoracle and in the SERVER.MAP file. This reduces any inconsistencies.

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Volume 4 Issue 7

July 1997

## IDOL-IV<sup>TM</sup>

**Q:** How do I execute a CONNECT from an IDOL-IV Menu?

**A:** In Menu Maintenance, for “Type” you use a “C”, “Action” is the Class of Connect (Screen, View,...), and “Object Name” is the Name of the Screen, View, etc...

**Q:** How do I print only 2 lines of a text field in a report?

**A:** The syntax in the formula window is as follows:

/LINES(#) = CUST-COMMENTS - # is the number of lines to print.

**Q:** How do I pass a value from a popup menu to a program that is called from within that menu?

**A:** The selection would be as follows:

Selection A PARM\CALL=RMBHEF1

The called program would need the following ENTER line:

ENTER PPA\$[ALL,]SYSV\$                   ! Required ENTER list  
  ! PPA\$[0] would have the value “PARM”.

**Q:** How do I perform a calculation in a post-process and update the data in a view?

**A:** The best method to accomplish this task would be to do this in a pre-process. In a Type P script do a FORMAT INCLUDE #view-format, OPT = “NONE” and assign FD\$ to the #format. Do the calculations on the data in the included format then assign it back to FD\$ before exiting the script. An example:

```

MAINLINE
  FORMAT INCLUDE #UTCUST,OPT="NONE"
  LET #UTCUST=FD$
  LET #UTCUST.OPEN-AR-BALANCE=#UTCUST.OPEN-AR-BALANCE*2
  LET FD$=#UTCUST
ENDSCRIPT
  
```

Another way to do this is with *OPENworkshop*<sup>TM</sup> in a CONNECT METHOD with the “PRINT ROW” method directive.

**Q:** How can I specify where my data files are created in *Script-IV*<sup>TM</sup>?

**A:** LET #IDSV.DISK-NBR-DATAFILES = disk# where files are to be created. The #IDSV format is already included automatically into every script.

**Q:** What determines where the programs get created from the *Script-IV* compiler?

**A:** The same logical disk as script skeleton, 4GLSK1. In *Source-IV*<sup>TM</sup>, you can specify what disk you want to compile to.

**Q:** How do I find out the current field and the field length while in a post process on a screen?

**A:** The following methodologies will do this:

Script:

FIELD -> Field Number

LENGTH -> Field Length

CONNECT SCREEN (Type P Script):

DEC(SPARM\$[10](9,1)) -> Field Number

DEC(SPARM\$[10](8,1)) -> Field Length

In IDOL-IV SRM (Type 4 Script):

DEC(A8\$(4,1)) -> Field Number

DEC(A8\$(3,1)) -> Field Length

In INPUT SCREEN:

use screen-name.FIELD-NO

and screen-name.LENGTH

## Thoroughbred DataServer<sup>TM</sup>

**Q:** Why am I getting the message "Unable to connect to" and the machine name that the TS ODBC DataServer<sup>TM</sup> is installed on?

**A:** You must have a DNS server running or have host files on each of the workstations. The TS ODBC DataServer must be able to resolve an IP address to name. This is true even if you specify an IP address in your SERVER.MAP file. To see if you are using a DNS under Windows 95, go to the Control Panel and click on Network. Go to the configuration tab and click on the TCP/IP protocol line. Then click on properties. Click on the DNS Configuration Tab. DNS will be marked enabled or disabled. If enabled, make sure you can ping the DNS's IP address in the DNS server search order section. If DNS is disabled, you will need a hosts file in the WINDOWS directory. To look at a sample file, Windows 95 puts a file called HOSTS.SAM in the WINDOWS directory for you to look at.

**Q:** Why am I getting an ERR=103, TCB(3)=10054 when I start my client Thoroughbred *Basic*<sup>TM</sup> trying to use the TS ODBC DataServer?

**A:** The TSSERV.EXE program's path is not in your NT system path on your NT console. Please consult the quick-start card for more details.

- Q:** I installed the TS ODBC DataServer™ Multi-Tier and I was only able to view my data once. Why, on subsequent attempts to view the data on my remote hosts from MS access, do I get the following error messages: “ODBC call failed Frame Read: net read header #-1”?
- A:** Environment variables set in your IPL file will cause this error. The client Thoroughbred *Basic*™ must be able to resolve all lines in the IPLINPUT file and system variables are not resolvable during this process.
- Q:** When using the TS ODBC DataServer Single-Tier, how would I access data files using a file prefix or suffix?
- A:** Use the Expose Utility’s Special Functions Option to setup and enable file suffixes.
- Q:** When I try to expose one of my data files, I am receiving a message that I need to install a license; when I try installing, why do I get a message saying one already exists?
- A:** The original or 1<sup>st</sup> release TS ODBC DataServer Single-Tier was sent out without a DLL. You can download this DLL from our CompuServe forum. Use “GO TBRED” and the DLL is USQLCS32.DLL.
- Q:** Why am I receiving the following error message, “illegal operation while executing wusqli32”?
- A:** USQLCS32.DLL was put in the \windows directory as opposed to the \windows\system(windows 3.X, 95) or \windows\system32(Windows NT).
- Q:** While I was in the middle of exposing a file, I exited out of the Expose Utility. When I try getting back into the file, why do I get a message, “locked by another user”?
- A:** There is a record in the file “ODDCNTRL” that has a key of “lck”. Remove this record.
- Q:** If I have a PC with Windows 95 connected to a UNIX box via serial cables, how do I get TS ODBC DataServer Multi-Tier to work in this environment?
- A:** TS ODBC DataServer Multi-Tier requires a network connection. You must convert the serial connections into TCP/IP PPP connections.

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# The Inside Track

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Frequently asked questions, tech tips, & problem reports for users of Thoroughbred Software Products

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Volume 4 Issue 8

August 1997

## **Thoroughbred BASIC™**

**Q:** Why am I always printing out to the default printer in Windows instead of the printer I selected?

**A:** With the Windows spooler flag turned on in the IPLINPUT file, you will print to the windows current printer. The device at the end of the DEV line is ignored. The windows current printer can be changed within *Basic* by using the "Printer Setup" option on the "File" menu. An example printer device line:

```
DEV LP,4,,,1 or 3,,LPT1
      ⌞
      Spooler Flag
```

**Q:** What is the maximum number of lines supported in a *Basic* program?

**A:** The maximum line number starting with *Basic* level 7.0 is 65534. Each line can have multiple, complex statements.

**Q:** Why am I receiving an Error 0, and then a Fatal Error, Out of Stack Buffers using the Network *Basic*?

**A:** SHARE is not setup correctly. In the Config.sys file, change the SHARE statement to:

```
SHARE /L:500 /f:5100
```

**Q:** When asking for a password in my *Basic* program, how can I hide the user entry?

**A:** The following *Basic* code will hide the user entry:

```
INPUT "Input question/statement", 'EE',X$, 'BE'.
```

The EE mnemonic turns the keyboard echo off before X\$ is asked for and the BE mnemonic turns the keyboard echo on after X\$ has been entered. You could also use FINPUT and specify a window size of 0 in the ATR string.

**Q:** If I have programs on a UNIX system that has asterisks as part of the name, how do I move these programs to a DOS based operating system?

**A:** When you save the programs, Thoroughbred *Basic*<sup>TM</sup> converts the asterisk to a pound sign internally. For existing files you will need to rename them on the UNIX side, transfer them to the DOS side then rename them.

**NOTE:** The renaming has to take place from within *Basic* for this to work. The *Basic* RENAME updates and corrects the program's internal name, protecting against Error 19's.

### IDOL-IV<sup>TM</sup>

**Q:** Does Thoroughbred have a utility to create an ASCII file from a Thoroughbred file defined in IDOL-IV?

**A:** There is no utility for this but it can be done in *Script-IV*<sup>TM</sup> or Business *Basic* program.

If you are going to use a script, simply setup a format and link that uses a type "U" file (text file). In the script, simply treat the link just like you would any other file type in IDOL-IV.

An example of a Business *Basic* program:

```
10 ERASE "FILENM.TXT",ERR=2020 TEXT "FILENM.TXT",1,0
30 OPEN (1) "TBREDFILE";OPEN (2,OPT="TEXT")"FILENM.TXT"
40 K$=KEY(1,END=99); READ (1,KEY=K$)A$,B$,C,D$
50 WRITE (2)A$+B$+STR(C)+D$ ----->will write on one line with a line feed
      or
60 WRITE (2)A$,B$,C,D$ ----->will write on 4 lines with line feeds
      or
70 WRITERECORD(2)A$+B$+STR(C)+D$ → will write on one line w/o line feeds
```

You may need to pad your data in the writes above to get it into your desired format. You can also set up a printer as a file in your IPLINPUT file and using report or a program to print to it. The DEV line would be:

DEV P9,4,,,1,1,,cat > filename ← This will erase the file each time this printer is opened in

*Basic.*

DEV P9,4,,,1,1,,cat >> filename ← Will append to the end of the file, not erasing it.

If you use CONNECT REPORT, then set REPORT\$[6] to a filename for your report device and REPORT\$[7] to "W" for WRITE (to write with field separators) or "R" for WRITERECORD.

*Query-IV* will also allow you to choose a file as your output device.

**Q:** How do I turn off the F10 menu lookup functionality from an IDOL-IV™ menu?

**A:** In 8.4.0, this option can be disabled in the installation record, by disabling the F1, F2, F3 capability from the Installation Information IDOL-IV utility.

**Q:** How do I use an IDOL-IV stored SQL date in the FILE-SECTION of a *Report-IV™* report?

**A:** Type 5 SQL dates defined in an IDOL-IV format are stored in binary. To do a proper comparison in *Report-IV*, use the following example:

```
ENTRY-SECTION
DN  START-DATE(6), END-DATE(6)
I101 LET START-DATE = "970508", END-DATE = "970508",
:  START=BIN(INT(DTN(START,"YYMMDD") * 10000),6),
:  END=BIN(INT(DTN(END, "YYMMDD") * 10000),6),
```

```
FILE-SECTION
LN  CSLCALL KEY RANGE FROM START TO END
```

**Q:** While in a Type "P" script, defined in a format post-process, how do I find out the maintenance mode I am in?

**A:** In your script, do a 'format include #IDSV, OPT="none"' & #IDSV.PRE-POST-PROC-FLAGS  
Reference: Add=1 Change=2 Delete=3 Inquiry=0

**Q:** Is there anyway to make a continuation line in a PopUp menu? I need to have this so that I fit all my UNIX groups for that menu and/or option.

**A:** Yes in column 0 of your menu, press the F11 key. This will put a ":" in column 0 with normal video/background attribute. See the following example:

|                  |  |
|------------------|--|
| .HM.3,10,0,<br>0 |  |
| 1-Entry          | CONNECT MENU UTMENTRY                    |
| 2-Maint          | CONNECT MENU UTMAINT [10,11,100,110,111, |
| :                | 200,201,210,211]                         |
| 3-Report         |  |

### **Thoroughbred DataServers**

**Q:** When a Windows Client attaches to an NT Network DataServer™, does each session count as a user?

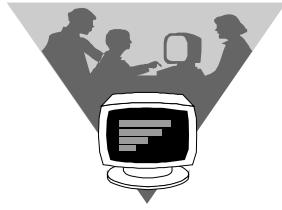
**A:** Yes, when you are using Thoroughbred *Basic™* 8.4.0, but not when you are using *Basic* 8.4.1.

- Q:** Why am I getting an ERR=103, TCB(3)=10054 when I try to connect to my Windows Client *Basic* to the TS Network DataServer™ for NT?
- A:** TSSERV.EXE is not in your Windows NT system path. Go into "System" in the Control Panel "environment" tab and modify the System path variable to include the path.
- Q:** Why do I need two TERMINAL files with the TS Network DataServer?
- A:** The TS Network DataServer and Client need to agree on task id assignments and not all Clients on the system have to use the TS Network DataServer. You may have some that are local access only.

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# The Inside Track

Frequently asked questions, tech tips, & problem reports for users of Thoroughbred Software Products

Volume 4 Issue 9

September, 1997

## **Thoroughbred Basic™**

**Q:**How can I have each workstation on a Windows NT network use a unique Terminal ID so that I can share data?

**A:** You need to put your **IPL**, **TERMINAL**, and **TERM.MAP** files in a shared folder on the server and make your Start-In directory for the *Basic* shortcut that same shared folder.

**Q:**Is it possible to lock a spooled printer in UNIX *Basic*?

**A:** Yes, by changing the DEV line to the following :

```
DEV LP,4,,,1,,,lp
```

Two files will be created in the **/tmp** directory:

e.g. `{printer-name}.{task-id}` and `{printer-name}.lck`

Note: This only locks the printer to other Thoroughbred *Basic* users.

**Q:**After installing the *Basic* Environment for Windows, I receive a dialog box with a red circle and an "ok" button when I try to run it.

**A:** This message indicates a problem with the installation. Since there is no autoexec.bat file on the machine, the installation program was unable to update it and therefore did not complete the installation (i.e. updating the ".ini" files). Reinstall the *Basic* and answer **NO** to the update autoexec.bat file. The other files will now update properly.

**Q:**How do I get the full path of a file in *Basic*?

**A:** This can be obtained by using the XFD function. For example:

```
00100 C=UNT; OPEN(C)"IDDBD"; F$=XFD(C,0), FILEPATH$=F$(86)
```

**Q:**How do I use colors in the *Basic* Environment for Windows?

**A:** By default the *Basic* Environment for Windows WINNTMON terminal table uses the current Windows color scheme defined for the Windows desktop text colors. In order to use the DOS/UNIX color scheme in *Basic*, use Notepad or another editor, to change the terminal table entry in the **TERM.MAP** text file from **WINNTMON** to **WINNTCON**.

**Q:**Why am I receiving Error 7s trying to WRITE to my direct file?

**A:** Error 7s are a result of corruption in the key block area of the file. To correct this, run **\*TPSD** on the file, expanding the key size by one byte. Then run **\*TPSD** on the file a second time, decreasing the key size by one byte (back to its original size). This will force a rebuild of the file's key area.

If this procedure fails, you can sequentially read through the file in *Basic* Console Mode and **CREATE/WRITE** to a new file, manually rebuilding the key. If the Error 7 occurs on the **OPEN** of the file, run a utility program called **\*CNVT86** to correct the error.

## **IDOL-IV™**

**Q:** I have a screen that does not have any entry fields in it. Whenever I reference this screen in a script, I receive an Error 47 during compilation.

**A:** This is an issue with IDOL-IV 8.40 that has been corrected. This correction and many others are in an 8.40 IDOL-IV Update file that is located on our web site: [www.tbred.com](http://www.tbred.com) [**Product-Download Section**]. There is also a Release Notes file that specifies what is included in the update and how to retrieve it. This file will be updated periodically with fixes and changes made to IDOL-IV™, *Report-IV™*, *Query-IV™*, *Script-IV™*, *OPENworkshop™*, and *Source-IV™* 8.40.

**Q:** How can I preserve the file suffix between a 3GL *Basic* program and the IDOL-IV environment?

**A:** The global system format/variable called #IDSV.FILE-SUFFIX holds the current file suffix and will allow you to reference it in Thoroughbred *Basic™* and *Script-IV* programs.

**Q:** I have security turned on, when I try to access the UT library IDOL-IV asks for a password. What is the password?

**A:** The password for the UT library is **D4**.

**Q:** How does OPEN (channel, OPT="LINK") work?

**A:** The primary purpose is for accessing foreign databases with *Dictionary-IV™* formats. OPT="LINK" allows existing Thoroughbred *Basic* programs to **READ/WRITE** fixed data into/from a list of variables using a format to determine how the variables are to be populated by/moved into the data record. Please refer to the Thoroughbred *Basic* Reference Manual for more assistance.

## **TS DataServer**

**Q:** Why are all my NT DataServer client *Basics* starting with a task id of **T0**?

**A:** Check permissions and the existence of a **TERMINAL** file where **tsserv.exe** is located on the NT server. Start the Thoroughbred Server Manager with the **-gnormal** option from the service icon in the control panel for more debugging information.

**Q:** While exposing a file in TS ODBC DataServer™, my machine locked up and I had to reboot. Now when I try to go into the Expose utility, it tells me it is locked by another user.

**A:** You need to clear the **LCK** record in the **ODDCNTRL** file. In *Basic*:

```
OPEN ( 200 ) "ODDCNTRL"
REMOVERECORD ( 200 , KEY="LCK" )
CLOSE ( 200 )
```

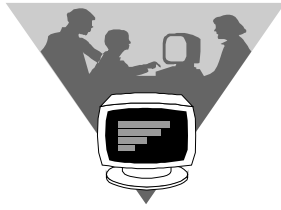
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# The Inside Track

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Frequently asked questions, tech tips, & problem reports for users of Thoroughbred Software Products

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## Thoroughbred *Basic*<sup>TM</sup>

**Q:** How do I open the standard object library in the IPLINPUT file?

**A:** After the installation the Startup program (**ID**) opens the object library (**IDOL-IV**) automatically. If you wish to open the object library without **ID**, simply add a PRM line as follows:

```
PRM OPENLIB=IDOL-IV,32700
```

**Q:** How do I automatically run Thoroughbred *Basic* when I login to UNIX?

**A:** Put the following line in your operating system user **.profile** file:

```
cd /basic-home-directory
./basic myiplfile
exit
```

To execute a specific Thoroughbred *Basic* program, place a comma and the program name at the end of the IPL line in the IPLINPUT file (*,program-name*). The default is **ID**.

**Q:** How do I retrieve the operating system login name in Thoroughbred *Basic*, and can I assign it to a variable?

**A:** Yes, the Thoroughbred *Basic* **INF** function allows access to system variables.

```
LET N$ = INF(3,2)
```

This assigns the operating system login to **N\$**. For more information see the Thoroughbred *Basic* Reference Manual.

**Q:** I am getting merged output when more than one user prints to the same printer at the same time. Why are the lock files not being created? Printers configured under SCO UNIX work fine.

**A:** In dealing with printers on a UNIX system, Thoroughbred *Basic* assumes that the actual devices reside in the **/dev** directory. This starting path is prepended to all printer devices defined in the IPLINPUT file. For example, if your printer DEV line appears as:

```
DEV P1,4,,,255,,,,/usr/local/vcp/p16
```

Thoroughbred *Basic* tries to create the printer lock files in **/dev/usr/local/vcp** while the actual printer device is in **/usr/local/vcp**. Since the **/dev/usr/local/vcp** path does not exist, Thoroughbred *Basic* cannot create the lock files, causing mixed output. To resolve this issue, create symbolic links in the **/dev** directory to the devices specified in **/usr/local/vcp**. For example at the operating system prompt enter:

```
ln -s /usr/local/vcp/p16 /dev/vcp16
```

Then change the DEV line in the IPLINPUT file as follows:

```
DEV P1,4,,255,,,,vcp16
```

Now Thoroughbred *Basic*<sup>™</sup> will create the lock files in /dev and all other Thoroughbred *Basic* users will check for the existence of the lock files before printing.

**Q:** What are the maximum number of records and record size of a Thoroughbred *Basic* direct file?

**A:**

|                           | Direct file | Auto expanding Direct   |
|---------------------------|-------------|---|
| Number of records:        | 16,777,215  | 2,000,000,000<br>with a total file size of<br>140,000,000,000,000 |
| Record size (Characters): | 64K         | 64K with a total file size of<br>140,000,000,000,000              |

**Q:** Where are the Thoroughbred *Basic* Utilities located after a standard installation?

**A:** With version 8.40 and above, the Thoroughbred *Basic* Utilities are installed with *Dictionary-IV*<sup>™</sup>. To install the Thoroughbred *Basic* Utilities, after installing the Thoroughbred *Environment*<sup>™</sup> from the media, execute *Basic* and **RUN"INSTALL"**.

**Q:** How do I setup a serial port in the IPL file so that I can read data from it in Thoroughbred *Environment* for Windows?

**A:** You must put all of the parameters to configure the port on the DEV line in the IPLINPUT file you are using. The DEV line could look like the following:

```
DEV T0,7,9600,0,8,1,1,TTY1
```

This sets the *Basic* to use 9600 baud, No parity, 8 data bits, 1 stop bit, discard nulls but do not strip bit 8, and use the TTY1 driver to access COM1.

## IDOL-IV<sup>™</sup>

**Q:** How do I create a "Rows Where" condition with an SQL date field in *Query-IV*<sup>™</sup>?

**A:** Use the following syntax:

```
WHERE DATE(mask) conditional-operator value
```

The conditional-operator is one of the following: =, >, <, etc. The value will have the same format as the mask.

*Query-IV* will use the date mask on the CNF line in the IPLINPUT file or you can specify a mask **SQL-DATE(MMDDYY)** in the Rows Where Window.

**Q:** How can I restrict the number of lines of a text field that print on a report?

**A:** In the Report Definition press **F5** to display the Formula Window. Type and save the following.

```
/LINES(#)=textfield-dataname
```

# represents the number of lines you wish to print.

**Q:** What IDOL-IV™ work files can I remove to cleanup my system prior to a backup?

**A:** You can remove the following files, since they will be recreated when IDOL-IV needs to use them.

WRK\*      4GCPER\*      IDWKV\*      IRPER\*      WEX\*      4GLWRK\*      IDWX\*

## MISCELLANEOUS

**Q:** I have installed ODBC and when I run the Expose Utility I am getting the message, "No Hierarchical Directory setup." What do I do?

**A:** You must have a hierarchical directory configured in your IPLINPUT file. For example:

```
DEV D9,1,,,,,1,,
```

**Q:** Where do I change or add machine names and IP addresses so that DynaComm will see my new machine on the network?

**A:** You must create a host file containing the IP address and machine name. The host file location is defined in DynaComm by selecting the **Communications** option from the **Settings** menu. Select the **Setup** button. Select the **Advanced** button. Enter the file name in the Host File Name box.

**Q:** Is there an uninstall program for the TS ODBC DataServer™

**A:** No, but to remove it from IDOL-IV, first **RUN"OD999"** to remove the files, then delete all the **OD** programs from the IDOL-IV object library directory. Then delete the **OD** library from *Dictionary-IV*™

**Q:** Why am I getting the message, "Cannot open file A001:OPCSAMS: when I try to access my exposed data?"

**A:** The actual message in the error log file tsexp.log was "too many open files." This log file can be found in the directory specified by the **WORK-FILE-DIRECTORY** in the control file. Make a copy of the IPLINPUT file you are using and reduce the number of FDTs in the CNF line of the IPLINPUT file from 60 to 21 to solve this problem. Use this IPLINPUT file to access the ODBC Expose Utility.

**Q:** How can I have my input message print outside of the current window?

**A:** **LET JMD\$=""** creates a window for messages. See the on-line help for 8MSG for additional **JMD\$** values.

## Solution-IV™

**Q:** How do I sell an asset in fixed assets?

**A:** Retire the item.

**Q:** What accounts are posted to when the asset is retired?

**A:** The asset is credited for the purchase price, the sales account is debited for the receipt amount in retirement entry and the asset gain/loss account is credited or debited the difference between the purchase price and the receipt amount. If the receipt is greater than the purchase price, it is a gain and therefore a credit.

**Q:** What is the proper method to refund a tax or deduction in the Payroll module of *Solution-IV*<sup>TM</sup>?

**A:** You must go into Timesheet Entry, create a new Timesheet, and set the **Calc** flag to **N**. In the lines of the timesheet, enter their refund amount as a negative quantity for the appropriate tax code or deduction code. Then run a **Gross-to-Net** and a check will be printed for the refunded amount. If the tax is FICA, you must also refund the contribution to employer by an equal amount.

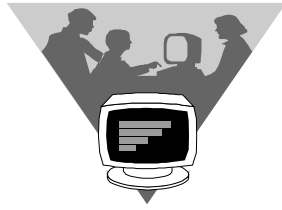
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# The Inside Track

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Frequently asked questions, tech tips, & problem reports for users of Thoroughbred Software Products

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Volume 4 Issue 12

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## Thoroughbred *Basic*<sup>™</sup>

**Q:** Will the file corruption problem that exists under Thoroughbred *Basic* 8.4.0 for Windows NT affect my Thoroughbred *Basic* 8.3.1?

**A:** Yes it will. You can obtain the necessary files from the Thoroughbred Support Department to upgrade your version 8.3.1 to handle client side caching.

**Q:** When I try to run Thoroughbred *Basic*, why do I get a Window showing a Stop Sign and an OK button?

**A:** The installation did not complete properly. When Thoroughbred *Basic* installs it tries to update the **AUTOEXEC.BAT** file. If the **AUTOEXEC.BAT** file does not exist the installation is not complete. Create this file and re-install Thoroughbred *Basic*.

## IDOL-IV<sup>™</sup>

**Q:** Once I setup colors with the Windows Configurator, how can I move those colors to another PC running Thoroughbred *Basic*?

**A:** The colors are stored by operator code. Backup the Operator Codes under the System Records with the IDOL-IV<sup>®</sup> Backup:

**Backup->System Records->Operators Codes**

Move the backup file to the other system and restore it. This moves the colors you set up to the new system.

**Q:** How can I change the IDOL-IV menu timeout? Is there a way to disable the menu timeout in IDOL-IV?

**A:** From the menu **UTMENU10** select option **2 System Administration**. Then select **Installation Information**. You can set the **Menu Timeout** to a value from **0** through **255**. Using **0** disables timeout. Exit and save the changes.

**Q:** If I have two files with the same data element name in a report. How can I choose which file's data element name gets printed on the report?

**A:** Report will always print the first data element name. As a work around create a third link and format then rename the common field in that third format. You cannot qualify data element names in *Report-IV*<sup>™</sup>.

**Q:** When in a standard view, I am unable to change sorts on an MSORT file when using **F5**. Why?

**A:** This appears to be a problem, which Thoroughbred will correct in the next release, but as a work around, delete the following files:

```
OOGVWOBJ
OOGLNOBJ
```

Create an Object View with the same name as the CONNECT VIEW you are using. From any IDOL-IV menu, press **F1** and select **Views** (or press **F2** and select **View**) and select this Object. Exit and run the CONNECT VIEW. Now you can use **F5** to change the Sort.

**Q:** I want to search for occurrences in a field, which is an array. What syntax do I use when pressing **F8** in View Maintenance?

**A:** Use the following syntax:

```
LIST IF field-name(occurrence) = "some-value"
```

**Q:** I am moving from one system to another system. Is there a file I can backup and restore that has to do with the operator security?

**A:** Use the **Backup** and **Restore** utilities. Select **System Information** then select **O** for operator codes. For more information see the *Dictionary-IV™* Administrator Guide.

**Q:** How do I get to the PRE-POST-PROC-FLAGS field in IDSV from within a script?

**A:** In a script, the format #IDSV is automatically included and therefore you have access to all of the data element names in the format IDSV.

**Q:** When in a 3GL program, how do I know if the user is running VIP™ 3.21 and what options are turned on?

**A:** You can do one of the following:

1. You can display the formats from Thoroughbred *Basic™* console mode. Type **DUMP FORMATS "NAME=#IDVIP"** and you can see which options that are turned on. (You can also type **DUMP FORMATS** and scroll down to #IDVIP.)
2. You can print out the format for IDVIP from Thoroughbred *Basic* console mode. Type

```
FORMAT INCLUDE #IDVIP,OPT="NONE"
PRINT #IDVIP
```

Now you can match the output to the format.

## MISCELLANEOUS

- Q:** In a product called PowerBuilder there is a feature that lets you display a view of records. When you move to each line in the view the detail displays on another area of the screen. How can I accomplish the same thing In IDOL-IV™/Script-IV™?
- A:** This can be accomplished with a CONNECT VIEW and a Pre-process that does a CONNECT SCREEN with the details of the current record. The Pre-Process reads the detail file and displays the information as you move to each record in the view.
- Q:** I have four installed copies of TS ODBC DateServer™. Why are they all getting the message that the license is expired?
- A.:** Check to see if you have the **UsQlcs.###** directory in your root directory. This will tell you if the license is installed. If it is there, try uninstalling and reinstalling the license.
- Q:** Why am I getting a syntax error when I try to place a numeric variable into a message using \*1?
- A:** You need to use the string of the numeric variable using a mask. For example:
- ```
INPUT MESSAGE "I,9,,,,," + STR(B:"##.00") INTO A
USING "APMSGs"
```
- Q:** Why am I getting **ERR=34** trying to run a script?
- A:** This is a Stack Overflow error. Regenerate your script skeletons and recompile your script. You may also need to increase the **PRM STACK=** option from its default value of **8192**. Valid values should be in increments of 4,8,16,32,128, etc.

## **Solution-IV™**

- Q:** I want to install *Solution-IV*, perform the upgrade, but need to bring over the data at some later date. How do I do this without reinstalling *Solution-IV*?
- A:** Copy the data, then write a script that does a **RUN PUBLIC ??PINST** for each module you have installed.
- Q:** In Accounts Payable under Posting Code Maintenance, can you de-select mandatory fields such as freight and sales tax?
- A:** No, these are necessary fields that affect other files.
- Q:** If I enter an invoice in Accounts Payable, when it gets paid, will it close out of Purchase Order?
- A:** No, because they use two different files. What you would need to do is reverse it out of Accounts Payable and then enter it in Purchase Order. All invoices received that had a purchase order for them must be entered in Invoice Entry in Purchase Order **NOT** Invoice Entry in Accounts Payable.

**Q:** When is **TALVITL2** updated and what program is it in?

**A:** **TALVITL2** is updated when **TAPVITLP** runs. This program runs when you zoom in on the monthly data. The records in **TALVITL2** are calculated from **TALVITL3**. The records are added into **TALVITL3** from either a journal update or by running **TAPVITLD**.

The numbers that get updated by **TAPVITLD** are **OPEN A/R BALANCE, OPEN A/P BALANCE, OPEN P/O BALANCE and INV NUMBERS**. These figures are running balances that never get cleared at the end of period. **TAPVITLD** will take a snapshot of these figures at the time you run it. All the other figures such as MTD Cash Receipts are updated when a journal runs. These are periodic figures that clear when the period changes.

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