



Micro Focus Server Express is shipped with a script called mfsupport. This script is located in \$COBDIR/bin directory and is used to get a snapshot of the customer's environment running on UNIX/Linux environments. After running the script from a directory that you have permission to write in, you will have a file called mfpoll.txt.

Some of the information mfpoll.txt contains is what version of Server Express they are using and the WrapPack, Fixpack or HotFix level. It also displays all the values of the environment variables. Over and over customer's report issues that turn out to be their environment variables are not set correctly, whether it be COBDIR, LD\_LIBRARY\_PATH, LIBPATH, SHLIB\_PATH or CLASSPATH just to name a few. The content of mfpoll.txt also contains the levels of the C compiler, linker (ld), C++ and the assembler. All which many be necessary to create an executable.

When you run the mfsupport script you will see the following message:

```
Micro Focus UNIX Support Scan Utility.
COBOL found in /products/9l.a5.50.04_FP9/es_cobol
One moment while your environment is scanned...
```

```
Polling complete. Please forward the file 'mfpoll.txt' to Micro Focus Support.
```

Below is a partial example of the mfpoll.txt file:

```
Micro Focus UNIX Support Scan Utility v5.0
```

```
Information current as of Tue Sep 9 14:16:45 PDT 2008
```

```
Current environment variables follow:
```

```
ACLOCAL_PATH=/opt/gnome/share/aclocal
CLASSPATH=/products/9l.a5.50.04_FP9/es_cobol/lib/mfcobol.jar:./usr/lib/SunJava2-1.4/jre/lib/rt.jar:/products/9l.a5.50.04_FP9/es_cobol/lib/mfimt.jar:/products/9l.a5.50.04_FP9/es_cobol/lib/xerces.jar:/products/9l.a5.50.04_FP9/es_cobol/lib/astor-0_9_4_1-xml.jar:/products/9l.a5.50.04_FP9/es_cobol/lib/mfcobol.jar:./usr/lib/SunJava2-1.4/jre/lib/rt.jar:/products/9l.a5.50.04_FP9/es_cobol/lib/mfimt.jar:/products/9l.a5.50.04_FP9/es_cobol/lib/xerces.jar:/products/9l.a5.50.04_FP9/es_cobol/lib/castor-0_9_4_1-xml.jar
COBCPY=/products/9l.a5.50.04_FP9/es_cobol/cpylib:/products/9l.a5.50.04_FP9/es_cobol/cpylib:
COBDIR=/products/9l.a5.50.04_FP9/es_cobol
COBJVM=sun_142
COLORTERM=1
CPU=i686
EDITOR=vi
ENV=/home/support/dummy/.kshrc
G_BROKEN_FILENAMES=1
GNOME2_PATH=/usr/local:/opt/gnome:/usr
GTK_PATH=/usr/local/lib/gtk-2.0:/opt/gnome/lib/gtk-2.0:/usr/lib/gtk-2.0
HISTSZ=1000
HOME=/home/support/dummy
HOSTNAME=tornado
HOST=tornado
HOSTTYPE=i386
INFODIR=/usr/local/info:/usr/share/info:/usr/info
INFOPATH=/usr/local/info:/usr/share/info:/usr/info:/opt/gnome/share/info
INPUTRC=/etc/inputrc
JAVA_BINDIR=/usr/lib/java/jre/bin
JAVA_HOME=/usr/lib/SunJava2-1.4
JAVA_ROOT=/usr/lib/java
JRE_HOME=/usr/lib/java/jre
LANG=en_US.UTF-8
LD_LIBRARY_PATH=/usr/lib/SunJava2-1.4/jre/lib/i386:/usr/lib/SunJava2-1.4/jre/lib/i386/server:/usr/lib/SunJava2-1.4/jre/lib/i386/native_threads:/products/9l.a5.50.04_FP9/es_cobol/lib:/usr/lib/SunJava2-1.4/jre/lib/i386:/usr/lib/SunJava2-1.4/jre/lib/i386/server:/usr/lib/SunJava2-1.4/jre/lib/i386/native_threads:/products/9l.a5.50.04_FP9/es_cobol/lib:
LESS_ADVANCED_PREPROCESSOR=no
LESSCLOSE=lessclose.sh %s %s
LESSKEY=/etc/lesskey.bin
```

```
LESS=-M -l
LESSOPEN=lessopen.sh %s
LOGNAME=dummy
LS_COLORS=
LS_OPTIONS=-N --color=none -T 0
MACHTYPE=i686-suse-linux
MAIL=/var/mail/dummy
MANPATH=/usr/local/man:/usr/share/man:/usr/X11R6/man:/opt/gnome/share/man
MINICOM=-c on
NNTPSERVER=news
no_proxy=localhost
ORIG_LD_LIBRARY_PATH=/usr/lib/SunJava2-1.4/jre/lib/i386:/usr/lib/SunJava2-1.4/jre/lib/i386/server:/usr/lib/SunJava2-1.4/jre/lib/i386/native_threads:/products/9l.a5.50.04_FP9/es_cobol/lib:
ORIGPATH=/usr/lib/SunJava2-1.4/jre/bin:/usr/lib/SunJava2-1.4/bin:/products/9l.a5.50.04_FP9/es_cobol/bin:/home/support/dummy/bin:/usr/local/bin:/usr/bin:/usr/X11R6/bin:/bin:/usr/games:/opt/gnome/bin:/opt/kde3/bin:/usr/lib/java/jre/bin:/home/support/dummy:/home/support/dummy
OSTYPE=linux
PAGER=less
PATH=/usr/lib/SunJava2-1.4/jre/bin:/usr/lib/SunJava2-1.4/bin:/products/9l.a5.50.04_FP9/es_cobol/bin:/usr/lib/SunJava2-1.4/jre/bin:/usr/lib/SunJava2-1.4/bin:/products/9l.a5.50.04_FP9/es_cobol/bin:/home/support/dummy/bin:/usr/local/bin:/usr/bin:/usr/X11R6/bin:/bin:/usr/games:/opt/gnome/bin:/opt/kde3/bin:/usr/lib/java/jre/bin:/home/support/dummy:/home/support/dummy
PKG_CONFIG_PATH=/opt/gnome/lib/pkgconfig
PROFILEREAD=true
PWD=/home/support/dummy/tmp
QTDIR=/usr/lib/qt3
REMOTEHOST=mtv-dummy-dell745.microfocus.com
SHELL=/bin/ksh
SHLVL=1
TERM=ansi
TERMINFO=/products/9l.a5.50.04_FP9/es_cobol/terminfo
TEXINPUTS=/home/support/dummy/.TeX:/usr/share/doc/.TeX:/usr/doc/.TeX
USER=dummy
_=/usr/bin/env
VISUAL=vi
WINDOWMANAGER=/usr/X11R6/bin/kde
XCURSOR_THEME=crystalwhite
XKEYSYMDB=/usr/X11R6/lib/X11/XKeysymDB
XNLSPATH=/usr/X11R6/lib/X11/nls
```

-----  
Micro Focus Product information:

RTS information:

V5.0 revision 0 build 10/10/2 G; 06508. Run Time System RXVCV/AA0/00000K

COBOL Version information:

```
I see no work
version @(#)cob.c 1.343
PRN=RXVCV/AAK:9l.a5.50.04
PTI=WrapPack 4 (7276.7659)
PTI=ES
PTI=Fixpack50.04_09
cobol v5.0.00-e
PRN=RXVCV/AAK:9l.a5.50.04
PTI=WrapPack 4 (7276.7659)
PTI=ES
PTI=Fixpack50.04_09
```

-----  
Current working mode: 32  
-----

User's System Information:

Linux tornado 2.6.5-7.97-default #1 Fri Jul 2 14:21:59 UTC 2004 i686 i686 i386 GNU/Linux

OS Level:

2.6.5-7.97-default

OS cannot list patches!

System fixed disk resources:

Filesystem	1K-blocks	Used	Available	Use%	Mounted on
/dev/sda2	116154400	41947276	74207124	37%	/
tmpfs	257596	4	257592	1%	/dev/shm

Process information:

UID	PID	PPID	C	STIME	TTY	TIME	CMD
root	1	0	0	13:42	?	00:00:04	init [5]

-----  
User information:

id:

uid=1003(dummy) gid=1000(support) groups=14(uucp),16(dialout),17(audio),33(video),100(users),1000(support)

Password file entry:

dummy:x:1003:1000:user-name:/home/support/dummy:/bin/ksh

LIBLIST setting and contents:

LIBLIST is set to:

LIBLIST is unset or refers to a file that does not exist

The contents of the current mode liblist file are:

```
# Linux version of liblist
#
# @(#)liblist.lnx.app 7.2
#
# Specification for linking to executable
#
x*:s:${LD:-ld}
x*:C:${CCOO:-g++}
x*:C:handoff_prfx(-WI,)
x*:s:--eh-frame-hdr
x*:s:-melf_i386
x*:s:-dynamic-linker
x*:s:/lib/ld-linux.so.2
# Ensure the correct mode is used
x*:C:-m32
# Specify output file. Generic.
x*:a:-o
x*:a:outfile
# Allow unresolved symbols in first link:
x:1:a:-shared
# Strip output file (if no debugging options specified):
x:2:i:-s
# Emulation of cc here. cc options and objects placed before user options
# and objects.
x:2:slp:/usr/lib/crt1.o
x:2:sp:/usr/lib/gcrt1.o
x:2:s:/usr/lib/crti.o
x:2:s:$GCC_LIB/crtbegin.o
# Pass through flags when using C++ compiler. These are standard.
x*:Cp:-p
x*:Cg:-g
```

```

# Export all symbols
x:2:s:-E
x:2:C:-Wl,-E
# User, non-plus, options.
x*:a:useropt
# Place ldtab.o after useropt.
x:2:a:$TMPDIR/ldtab.o
# Hide symbols
x:2:a:hidepass:e:+_fp_hw,_IO_stdin_used
# The Cobol libraries.
# Cobol libraries:
x*:a:-L%COBDIR/lib
x*:!t:-lcobrts
x*:t:-lcobrts_t
x*:a:-lcobcrtn
x*:!t:-lcobmisc
x*:t:-lcobmisc_t
x*:a:-lcobstat
# User plus options. This is generic.
x*:a:plusopt
# More emulation of cc: default libraries, finalisation routines etc.
# Must come after all user options.
# Also, system libraries required by Cobol system.
x*:s:-L$GCC_LIB
x*:s:-L/lib
x*:s:-L/usr/lib
x*:t:-lpthread
x*:s:-lgcc
x*:s:-lgcc_eh
x*:s:-lc
x*:s:-lgcc
x*:s:-lgcc_eh
x*:a:-ldl
x:2:s:$GCC_LIB/crtend.o
x:2:s:/usr/lib/crtn.o
#####
#
# Specification for linking to shared object format (DLL, CSO, scCSO)
#
# Link to shared
z*:s:cc
z*:C:${CCOO:-g++}
z*:a:handoff_prfx(-Wl,)
z*:a:-shared
# Ensure the correct mode is used
z*:a:-m32
# Name output
z*:a:-o
z*:a:outfile
# Bind all global references to symbols defined in the shared object:
z:2:a:-Wl,-Bsymbolic
# Pass through flags.
z*:p:-p
z*:g:-g
# Add user options, ldtab, Cobol libraries, plusopt
z*:a:useropt
z:2:a:$TMPDIR/ldtab.o
# Cobol libraries required for self contained callable shared objects:
z*:y:-L%COBDIR/lib
z*:y!t:-lcobrts
z*:y!t:-lcobrts_t
z*:y:-lcobcrtn
z*:y!t:-lcobmisc
z*:y!t:-lcobmisc_t
z*:a:plusopt
# Hide symbols
z:2:a:hidepass
# System libraries required by Cobol system.
z*:y!t:-lpthread

```

COBCONFIG setting and contents:

COBCONFIG is set to:

COBCONFIG is unset or refers to a file that does not exist

The contents of COBDIR/etc/cobconfig are:

COBOPT setting and contents:

COBOPT is set to:

The contents of COBDIR/etc/cobopt are:

```
-C nolist
set GCC_LIB=/usr/lib/gcc-lib/i586-suse-linux/3.3.3
```

The contents of COBDIR/dynload/cobol.dir are:

The contents of COBDIR/etc/cob.cfg are:

```
# Start of cob.cfg
# cob configuration sidefile
# Copyright (C) 1984-2007 Micro Focus International Ltd. All rights reserved.
# Genesis cob driver
# Sccs Id: 1.20
# Last modified on 04/10/21 at 09:48:53
```

```
cobopt_loc=etc/cobopt
cobver_loc=etc/cobver
coblib_loc=lib
asmstub_loc=lib
liblist_loc=${LIBLIST:-lib/liblist}
check_loc=${CHECKER:-bin/cobchecker32}
rts_loc=bin/rts32
ncg_loc=${NCG:-bin/ncg32}
```

```
# NCG option to create PIC code
```

```
# Assembler
ascmd=as
asopt=-32
```

```
# C compiler and options
ccc_cmd=${CC:-cc}
```

```
# C++ Compiler, recognised C++ extensions and options
CCcmd=${CCOO:-/usr/bin/g++}
CCextn=.C,.cpp,.CPP,.cxx,.CXX,.cc,.CC,.c++,.C++
```

```
# Specify default path to look for libraries.
```

```
Ldefaultpath=/lib:/usr/lib
```

```
c_arch_option=-m32 -fno-omit-frame-pointer
CC_arch_option=-m32 -fno-omit-frame-pointer
```

```
iso2000_direct
```

EXTFH setting and extfh.cfg:

EXTFH is set to:

The contents of COBDIR/etc/cobopt are:

```
-C nolist
set GCC_LIB=/usr/lib/gcc-lib/i586-suse-linux/3.3.3
```

ADISCTRL and cobkeymp listing:

```
-r--r--r-- 1 root root 10455 2008-05-28 08:32 /products/9l.a5.50.04_FP9/es_cobo
/ADISCTRL
```

Versions of system software

as:

GNU assembler version 2.15.90.0.1.1 (i586-suse-linux) using BFD version 2.15.90.0.1.1 20040303 (SuSE Linux)

cc:

gcc version 3.3.3 (SuSE Linux)

c++:

gcc version 3.3.3 (SuSE Linux)

ld:

GNU ld version 2.15.90.0.1.1 20040303 (SuSE Linux)

Shared memory Usage:

----- Shared Memory Segments -----

key	shmid	owner	perms	bytes	nattch	status
0x07021999	327680	root	644	1396	1	
0x435dce60	622594	root	666	8024	1	
0x435dce61	655363	root	666	4	1	
0x05f30c74	819206	db2inst2	767	8525056	14	
0x741cc1a0	2064394	root	666	28244	0	
0x741cc1a1	2097163	root	666	6	0	
0x741cc1a2	2129932	root	666	6	0	
0x741cc1a3	2162701	root	666	6	0	
0x741cc1a4	2195470	root	666	6	0	

----- Semaphore Arrays -----

key	semid	owner	perms	nsems
0x05f30c74	327684	db2inst2	767	1
0x05f30c73	458761	db2inst2	767	1
0x00000000	622606	db2fenc1	767	3

----- Message Queues -----

key	msqid	owner	perms	used-bytes	messages
0x05f30c77	589834	db2inst2	765	0	0

Resource Limits:

core file size (blocks, -c) 0  
data seg size (kbytes, -d) unlimited  
file size (blocks, -f) unlimited  
max locked memory (kbytes, -l) unlimited  
max memory size (kbytes, -m) unlimited  
open files (-n) 1024  
pipe size (512 bytes, -p) 8  
stack size (kbytes, -s) unlimited  
cpu time (seconds, -t) unlimited  
max user processes (-u) 4083  
virtual memory (kbytes, -v) unlimited

lmfgetpv returns:

License Manager version 129  
Loaded from /products/license\_manager

Tail of LMF Log

FS Related Settings:

FS is set to

FHREDIR is set to

Terminfo Related Settings:

TERM is set to ansi

LINES is set to

COLUMNS is set to

TERMINFO is set to /products/9l.a5.50.04\_FP9/es\_cobol/terminfo

COBTERMINFO is set to

mfinfocmp returns:

```
# Reconstructed from file: /products/9l.a5.50.04_FP9/es_cobol/terminfo/a/ansi
```

```
# Produced by mfinfocmp (Micro Focus terminfo)
```

```
ansi|ansicon|ansi80x25|Ansi standard console @(#)ansi(80x25): 3.8,
```

```
am, bce, eo,  
colors#8, cols#80, it#8, lines#25, ncv#3, pairs#64,  
acsc=0[a1fxgqh2jYk?lZm@nEqDtCu4vAwBx3, bel=^G,  
blink=\E[5m, bold=\E[1m, cbt=\E[Z, clear=\E[2J\E[H,  
cr=\r, cub=\E[%p1%dD, cub1=\E[D, cud=\E[%p1%dB,  
cud1=\E[B, cuf=\E[%p1%dC, cuf1=\E[C,  
cup=\E[%i%p1%d;%p2%dH, cuu=\E[%p1%dA, cuu1=\E[A,  
dch=\E[%p1%dP, dch1=\E[P, dl=\E[%p1%dM, dl1=\E[M,  
ed=\E[J, el=\E[K, flash=^G, home=\E[H, ht=\t,  
ich=\E[%p1%d@, ich1=\E[@, il=\E[%p1%dL, il1=\E[L,  
ind=\E[S, indn=\E[%P1%dS, kbs=\b, kcbt=\E[Z,  
kclr=\E[2J, kcub1=\E[D, kcud1=\E[B, kcu1=\E[C,  
kcuu1=\E[A, kdch1=\177, kend=\E[F, kf0=\E, kf1=\E[M,  
kf10=\E[V, kf11=\E[W, kf12=\E[X, kf2=\E[N, kf3=\E[O,  
kf4=\E[P, kf5=\E[Q, kf6=\E[R, kf7=\E[S, kf8=\E[T,  
kf9=\E[U, khome=\E[H, kich1=\E[L, knp=\E[G, kpp=\E[I],  
op=\E[37;40m, rev=\E[7m, ri=\E[T, rin=\E[S,  
rmacs=\E[10m, rmso=\E[m, rmul=\E[0m, setb=\E[4%p1%dm,  
setf=\E[3%p1%dm, sgr0=\E[m, smacs=\E[12m, smso=\E[7m,  
smul=\E[4m,
```

cobconvstrtest -a gives:

PASS

cobpeekwww gives:

NO MFCGI Environment found:

-----

The contents of COBDIR/fixpacks/install.log are:

End of report.