

INTERLAB

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ISSUE: Piraha not starting reporting missing Library

Concerned platforms:

Piraha Linux

OS : Linux Fedora Core2 Kernel 2.6.x

Vernouillet, 02.02.05

Symptoms:

Application after OS re-install is not starting. Console displays the following message :

```
[root@piranha root]# cd /usr/ifs/bin/
[root@piranha bin]# ./piranha
./piranha: error while loading shared libraries: libstdclibc6.2-2.so.3: cannot open
shared object file: No such file or directory
[root@piranha bin]#
```

Action:

Connect on Internet and search for the package:

```
[root@piranha bin]# yum list available |grep -i libstdc
```

Download this package:

```
compat-libstdc++          i386      7.3-2.96.126          base
```

Type as root, then you should get this:

```
[root@piranha bin]# yum install compat-libstdc++
Gathering header information file(s) from server(s)
Server: Fedora Core 2 - i386 - Base
Server: Fedora Core 2 - i386 - Released Updates
Finding updated packages
Downloading needed headers
Resolving dependencies
Dependencies resolved
I will do the following:
[install: compat-libstdc++ 7.3-2.96.126.i386]
Is this ok [y/N]: y
Downloading Packages
Getting compat-libstdc++-7.3-2.96.126.i386.rpm
compat-libstdc++-7.3-2.96.126.i386.rpm 100% |=====| 1.0 MB    00:23
Running test transaction:
Test transaction complete, Success!
compat-libstdc++ 100 % done 1/1
Installed:  compat-libstdc++ 7.3-2.96.126.i386
Transaction(s) Complete
```

DEBUG Suggestions:

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In general ldd command trace all necessary lib required for a certain application. Type **ldd + application**. You should get this:

```
libGL.so.1 => /usr/X11R6/lib/libGL.so.1 (0x00c55000)
libXmu.so.6 => /usr/X11R6/lib/libXmu.so.6 (0x00597000)
libXext.so.6 => /usr/X11R6/lib/libXext.so.6 (0x00ab4000)
libX11.so.6 => /usr/X11R6/lib/libX11.so.6 (0x009ea000)
libXft.so.1 => /usr/X11R6/lib/libXft.so.1 (0x00f6f000)
libXrender.so.1 => /usr/X11R6/lib/libXrender.so.1 (0x00115000)
libXt.so.6 => /usr/X11R6/lib/libXt.so.6 (0x00543000)
libXi.so.6 => /usr/X11R6/lib/libXi.so.6 (0x00c4b000)
libpthread.so.0 => /lib/tls/libpthread.so.0 (0x00b56000)
librt.so.1 => /lib/tls/librt.so.1 (0x007b5000)
libstdlibc6.2-2.so.3 => not found
libm.so.6 => /lib/tls/libm.so.6 (0x009bf000)
libc.so.6 => /lib/tls/libc.so.6 (0x008a1000)
libdl.so.2 => /lib/libdl.so.2 (0x009e4000)
libSM.so.6 => /usr/X11R6/lib/libSM.so.6 (0x00b83000)
libICE.so.6 => /usr/X11R6/lib/libICE.so.6 (0x00b6a000)
libXxf86vm.so.1 => /usr/X11R6/lib/libXxf86vm.so.1 (0x00bcd000)
libfontconfig.so.1 => /usr/lib/libfontconfig.so.1 (0x0011d000)
libexpat.so.0 => /usr/lib/libexpat.so.0 (0x00144000)
libfreetype.so.6 => /usr/lib/libfreetype.so.6 (0x00163000)
/lib/ld-linux.so.2 => /lib/ld-linux.so.2 (0x00888000)
libz.so.1 => /usr/lib/libz.so.1 (0x00ac4000)
```

If some issues are around execute “**dmesg**” it returns general logs where you can see what is going on:

```
[root@piranha init.d]#dmesg
....
SCSI device sda: 1024000 512-byte hdwr sectors (524 MB)
sda: Write Protect is off
sda: Mode Sense: 03 00 00 00
sda: assuming drive cache: write through
sda: sda1
Attached scsi removable disk sda at scsi1, channel 0, id 0, lun 0
Attached scsi generic sg0 at scsi1, channel 0, id 0, lun 0, type 0
usb-storage: device scan complete
[root@piranha init.d]#
```

Pls. send us your feel back.
Rev.1 – David 02.02.05