

2- Using syscorepath command, we'll set a PATH where all these cores files will be dumped..

2.1- Set the directory for all cores files:

```
1                                     # syscorepath -p /corefiles
```

2.2- To check if the core's PATH was correctly set, running:

```
1                                     # syscorepath -g /corefiles
2                                     # /corefiles
```

3- Analyze the core file using dbx command.

Once you get all cores in /corefiles, we're going to analyse them using dbx command. Follow these steps:

3.1- Get the cause of the core file by running check_core command. In the example ksh93 is the victim:

```
1                                     # /usr/lib/ras/check_core /corefiles/core ltail -1
2                                     ksh93
```

3.2- Debugging with dbx (Provides an environment to debug and run programs) command:

```

1      # dbx /usr/bin/ksh93 /corefiles/core
2
3      Type 'help' for help.
4
5      [using memory image in /corefiles/core]
6
7      reading symbolic information ...warning: no source
      compiled with -g
8
9      Segmentation fault in strlen at 0xd0105880
10
11      0xd0105880 (strlen)  89030000      lbz
12      r8,0x0(r3)

```

3.3- Once your are in dbx shell, type 'where'

1	(dbx) where
2	strlen() at 0xd0105880
3	varsub() at 0x100475fc
4	copyto(??, ??) at 0x100494c8
5	sh_mactrim(??, ??) at 0x1004a5a0
6	word_trim(??, ??) at 0x1000e340
7	sh_exec(??, ??) at 0x1000ff88
8	

9	sh_exec(??, ??) at 0x1001043c
10	sh_exec(??, ??) at 0x1000ff50
11	sh_exec(??, ??) at 0x10010470
12	sh_exec(??, ??) at 0x1000fdcc
13	sh_exec(??, ??) at 0x1000fd94
14	sh_exec(??, ??) at 0x1000fe08
15	sh_exec(??, ??) at 0x1000fdb8
16	sh_exec(??, ??) at 0x1000fe08
17	sh_exec(??, ??) at 0x1000fdb8
18	sh_exec(??, ??) at 0x100106d8
19	sh_exec(??, ??) at 0x1000fdb8
20	sh_exec(??, ??) at 0x1000fe08
21	sh_exec(??, ??) at 0x1000fd94
22	b_dot_cmd(??, ??, ??) at 0x10066e20
23	sh_funct(??, ??, ??, ??, ??) at 0x1000e500
24	sh_exec(??, ??) at 0x1000ee88
25	sh_exec(??, ??) at 0x1000fd94
26	sh_exec(??, ??) at 0x10010370
27	sh_exec(??, ??) at 0x1000fdb8

```
28          sh_exec(??, ??) at 0x1000fe98
29          exfile(??, ??) at 0x10000ed8
30          sh_main(??, ??, ??) at 0x100015dc
          pmain.main(??, ??) at 0x10000370
```

Or you can use others dbx's commands. Please see man dbx.

```
1          </pre>
2          (dbx) thread
3          (dbx) map
4          (dbx) func
5          (dbx) dump
6          (dbx) quit
7          <pre>
```

Just thanks if the post was helpful

Posted - Thu, Feb 21, 2019 8:06 PM. This article has been viewed 6991 times.

Online URL: <http://kb.ictbanking.net/article.php?id=512>

