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Solution Number: 33592

Date Last Modified: 2003-10-13

Product: MATLAB 6.5 ==> Current Version

Platform: All Builds

Problem Description

Why do I receive a segmentation violation mentioning the toolbox cache when starting MATL

When I start MATLAB, I receive the following error message and/or segmentation violation. In
useless since none of the M-file or built-in functions are found:

```
Encountered unexpected end-of-file (line ####) while loading toolbox cache.



       ----------------------------------------------------------------------
            Segmentation violation detected at Thu Oct  9 15:47:33 2003
       ----------------------------------------------------------------------

Configuration:
  MATLAB Version:   6.5.0.180913a (R13)
  Operating System: SunOS 5.8 Generic_108528-23 sun4u
  Window System:    Sun Microsystems, Inc. (6410), display :0.0
  Current Visual:   0x22 (class 4, depth 24)
  Virtual Machine:  Java 1.3.1_02 with Sun Microsystems Inc. Java
HotSpot(TM) Server VM
    (interpreted mode)

Register State:
  g0 = 001c5d88   o0 = 00000000   l0 = ff2999c4   i0 = 001c4320
  g1 = fdd33000   o1 = 00000000   l1 = ff1e2f4c   i1 = 00000000
  g2 = ffbec400   o2 = ff1e2a54   l2 = 00000026   i2 = ff1e3f4c
  g3 = 00000000   o3 = 7efefeff   l3 = 00ff0000   i3 = 00000008
  g4 = 00000000   o4 = 81010100   l4 = 0000ff00   i4 = 00c05e4c
  g5 = 00000000   o5 = 00000feb   l5 = 80000000   i5 = 00000fd9
  g6 = 00000000   sp = ffbec860   l6 = 00000000   fp = ffbec8c0
  g7 = 000e04a0   o7 = ff1c320c   l7 = 00000000   i7 = ff1c341c
  pc = fdd331f0  psr = fe401003

Stack Trace:
  [0] libc.so.1:strlen~(1852192, 0, 0xff1e3f4c "svmusic.m", 8) + 128 bytes
  [1] libmwmpath.so:bool ReadDir(__FILE*,cache_dir_node_tag*)(914296,1852192,
  [2] libmwmpath.so:bool ReadDir(__FILE*,cache_dir_node_tag*)(1852192,1851792
  [3] libmwmpath.so:bool ReadDir(__FILE*,cache_dir_node_tag*)(1851792,1833392
  [4] libmwmpath.so:bool LoadCacheFile(const char*)(0xff1e2a58,0xff1e20f0, 91
  [5] libmwmpath.so:bool mpLoadToolboxCache(const char*)(0xff1e2a3a,0xff1e20f
"/home/username/.matlab/R13/tool..",0xffbecbdc"/usr/local/matlab6.5/toolbox/l
  [6] libmwmpath.so:mpUseToolboxCache(0xff0f4efc"/home/username/.matlab/R13/t
"/usr/local/matlab6.5",0xff1e2a38, 0xff1e20f0) + 104 bytes
  [7] matlab:mnRunLoginScript(1, 0xff0f49fb"/usr/local/matlab6.5/toolbox/loc.
  [8] matlab:mnParser(855040, 3065224, 0xfe70e6b4, 0) + 660 bytes
  [9] matlab:main(32, 39, 0xffbeee0c, 843776) + 2880 bytes
  [10] matlab:_start(0, 0, 0, 0) + 184 bytes
```

Solution:

This is a bug in MATLAB in the way that it handles unexpected issues when loading the toolb a corrupted "toolbox_cache.xml" file. Our development staff is investigating a better way to re

Currently, to work around this problem, if you remove the "toolbox_cache.xml" file from your N file will be generated the next time you start MATLAB. The MATLAB preference directory con store information about its use (preferences, command history, etc.). It is generally located in MATLAB 6.5 (R13)):

Windows:

C:\WINNT\Profiles\username\Application Data\MathWorks\MATLAB\R13\

Unix/Linux

/home/username/.matlab/R13

If the problem persists, try removing the "toolbox_cache.xml" file from the following directory, MATLAB directory:

$MATLAB/toolbox/local/toolbox_cache.xml

If the problem continues to occur, try disabling toolbox caching altogether, using the following

http://www.mathworks.com/access/helpdesk/help/techdoc/matlab_env/start_q7.shtml

Some customers have found that updating the driver for your video card can resolve the prob

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