

Enduro/X Core - Bug #347

Feature # 328 (Closed): Enduro/X Version 6.0 master task

In multi-threaded apps NDRX_LOG might cause core dumps

10/10/2018 02:48 AM - Madars

Status:	Closed	Start date:	10/10/2018
Priority:	Normal (Code 4)	Due date:	
Assignee:	Madars	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:			

Description

ASAN:SIGSEGV

```
=====  
==15302==ERROR: AddressSanitizer: SEGV on unknown address 0x7fff08800002 (pc 0x7f07db84781d bp 0x61800000f880 sp 0x7f07d5de1dc0 T6)
```

```
#0 0x7f07db84781c in getenv (/lib/x86_64-linux-gnu/libc.so.6+0x3981c)  
#1 0x7f07db8cbcab (/lib/x86_64-linux-gnu/libc.so.6+0xbdcab)  
#2 0x7f07dcccc885 (/usr/lib/x86_64-linux-gnu/libasan.so.2+0x3b885)  
#3 0x7f07dc3d8cfe in ndr_x_get_dt_local /home/mvitolin/projects/endurox/libnstd/nstdutil.c:256  
#4 0x7f07dc3d6389 in __ndrx_debug__ /home/mvitolin/projects/endurox/libnstd/ndebug.c:1070  
#5 0x7f07dc43254f in ndr_x_svq_mqd_hash_findtout /home/mvitolin/projects/endurox/libnstd/sys_svqevent.c:547  
#6 0x7f07dc43254f in ndr_x_svq_timeout_thread /home/mvitolin/projects/endurox/libnstd/sys_svqevent.c:796  
#7 0x7f07dbbdf6b9 in start_thread (/lib/x86_64-linux-gnu/libpthread.so.0+0x76b9)  
#8 0x7f07db91541c in clone (/lib/x86_64-linux-gnu/libc.so.6+0x10741c)
```

AddressSanitizer can not provide additional info.

SUMMARY: AddressSanitizer: SEGV ??:0 getenv

Thread T6 created by T0 here:

```
#0 0x7f07dccc7253 in pthread_create (/usr/lib/x86_64-linux-gnu/libasan.so.2+0x36253)  
#1 0x7f07dc43108d in event_fork_resume /home/mvitolin/projects/endurox/libnstd/sys_svqevent.c:1172  
#2 0x7f07db8da4f5 in __fork (/lib/x86_64-linux-gnu/libc.so.6+0xcc4f5)  
#3 0x7f07dccc7756 in fork (/usr/lib/x86_64-linux-gnu/libasan.so.2+0x36756)  
#4 0x41a24d in app_startup /home/mvitolin/projects/endurox/ndrx/pmodel.c:1262  
#5 0x41eeb8 in cmd_start /home/mvitolin/projects/endurox/ndrx/cmd_startstop.c:118  
#6 0x41d8e3 in command_wait_and_run /home/mvitolin/projects/endurox/ndrx/cmd_processor.c:465  
#7 0x405e79 in main_loop /home/mvitolin/projects/endurox/ndrx/ndrx.c:141  
#8 0x40774c in main /home/mvitolin/projects/endurox/ndrx/ndrx.c:470  
#9 0x7f07db82e82f in __libc_start_main (/lib/x86_64-linux-gnu/libc.so.6+0x2082f)
```

```
==15302==ABORTING
```

```
N:NDRX:3:d5d3db3a:15282:7f07d2cd1300:000:20181010:054841292:handle_child;pmodel.c:0174:sigchld: PID: 15302 exit status: 256
```

According to Posix standard: <http://pubs.opengroup.org/onlinepubs/9699919799/functions/getenv.html> getenv is no thread safe...

History

#1 - 10/10/2018 02:49 AM - Madars

```
expublic void ndr_x_get_dt_local(long *p_date, long *p_time, long *p_usec)
```

```
{  
    struct tm    *p_tm;  
    long        lret;  
    struct timeval timeval;  
    struct timezone timezone_val;
```

```
    gettimeofday (&timeval, &timezone_val);  
    p_tm = localtime(&timeval.tv_sec);
```

Problem is with local time. localtime_r shall be used.

#2 - 10/20/2018 07:21 AM - Madars

- *Status changed from New to Resolved*
- *Assignee set to Madars*
- *% Done changed from 0 to 100*

#3 - 10/20/2018 07:22 AM - Madars

- *Status changed from Resolved to Closed*