

pfSense - Bug #15555

Coredumps not functional for non-root processes.

06/13/2024 02:50 AM - Jonathan Lee

Status:	New	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Operating System	Estimated time:	0.00 hour
Target version:		Affected Version:	All
Plus Target Version:		Affected Architecture:	All
Release Notes:	Default		

**Description**

Jun 12 19:02:08 kernel pid 80887 (squid), jid 0, uid 0: exited on signal 6 (no core dump - bad address)  
Jun 12 19:01:48 kernel pid 33418 (squid), jid 0, uid 100: exited on signal 6 (no core dump - bad address)

and or

Jun 12 12:11:40 kernel pid 84728 (squid), jid 0, uid 100: exited on signal 6  
Jun 12 12:11:40 kernel pid 84677 (squid), jid 0, uid 0: exited on signal 11

Help no coredumps files make it to var/crash folder for squid.

I am trying to pull a core dump for Squid development team however I can not generate one. I would like to bring the Squid development team into some issues however they want access to the core dumps.

Ref:  
<https://forum.netgate.com/topic/188691/enable-core-file-dumps-when-an-application-crashes-or-segmentation-faults/>  
<https://forums.freebsd.org/threads/core-dumps.93778/page-2#post-658451>

I have worked with Squid Email system and FreeBSD and pfSense netgate community we have created a test file and are able to create a coredump proof that it is enabled in the pfSense software and functional.

@blackbird9 said:  
OK, let's have a little sanity check.

Write this script.

```
$ cat try.sh
#!/bin/sh
echo "PID $$ sleeping..."
sleep 1000
```

Make it executable then run it.

Then "kill -11 <pid>" where <pid> is the number the script printed.

Example

```
$ ./try.sh
PID 148152 sleeping...

$ kill -11 148152
Segmentation fault (core dumped)

$ ls -leore*
-rw-r--r-- 1 me me 450560 Jun 12 21:50 core
```

Hence, check if you can get any user process to dump a core file.

If it doesn't dump core, check your ulimit -c again.

Let's prove that your system can actually write a corefile for a process that segfaults.  
It should of course write the core file to the current directory. @

This worked i have created a core dump see below however Squid does not generate one.

Shell Output - ls -l /root/sh.core  
-rw----- 1 root wheel 11280384 Jun 12 14:02 /root/sh.core

I have used  
killall -11 Squid  
kill -11 PID for squid  
kill -6 PID for squid  
kill -11 squid  
kill -SIGABRT squid PId

nothing is working.

I have also use the squid directive

```
coredump_dir /var/log/squid
```

nothing is generating a coredump file for Squid

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## History

### #1 - 06/13/2024 01:37 PM - Steve Wheeler

- Project changed from pfSense Packages to pfSense
- Subject changed from Squid Coredumps not functional to Coredumps not functional for non-root processes.
- Category changed from Squid to Operating System
- Release Notes set to Default

This is not a Squid specific issue. Services/processes running as non-root users fail to create a core file.

### #2 - 06/14/2024 04:18 AM - Jonathan Lee

Thanks for reviewing this.