

## Re: heavy named problems

**Source:** <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/stable/2005-05/1136.html>

---

**From:** Mark Sergeant (*msergeant\_at\_snsonline.net*)

**Date:** 05/31/05

Date: Tue, 31 May 2005 16:50:06 +1000  
To: Mark Andrews <Mark\_Andrews@isc.org>

```
>>>> 31-May-2005 13:23:51.045 general: error: /usr/src/lib/bind/
>>>> dns/../../../../contrib/bind9/lib/dns/adb.c:1439: unexpected error:
>>>> 31-May-2005 13:23:51.045 general: error: isc_mutex_init failed in
>>>> new_adbfind()
>>>> 31-May-2005 13:23:51.891 general: error: /usr/src/lib/bind/
>>>> dns/../../../../contrib/bind9/lib/dns/adb.c:1439: unexpected error:
>>>> 31-May-2005 13:23:51.891 general: error: /usr/src/lib/bind/
>>>> dns/../../../../contrib/bind9/lib/dns/adb.c:1439: unexpected error:
>>>> 31-May-2005 13:23:51.891 general: error: isc_mutex_init failed in
>>>> new_adbfind()
>>>>
>>>> I'm seeing this on both FreeBSD 5.4-p1 and -STABLE, either named
>>>> will
>>>> hang around the 100 - 250M memory mark with top output like ...
>>>>
>>>> last pid: 20483; load averages: 0.98, 0.67,
>>>> 0.44 up 4+03:26:18
>>>> 12:32:27
>>>> 34 processes: 2 running, 32 sleeping
>>>> CPU states: % user, % nice, % system, %
>>>> interrupt, % idle
>>>> Mem: 237M Active, 150M Inact, 119M Wired, 24K Cache, 214M Buf,
>>>> 1407M
>>>> Free
>>>> Swap: 4096M Total, 4096M Free
>>>>
>>>> PID USERNAME PRI NICE SIZE RES STATE C TIME
>>>> WCPU CPU
>>>> COMMAND
>>>> 19847 bind 20 0 232M 228M kserel 1 61:57 98.97%
>>>> 98.97% named
>>>>
>>>> As you can see plenty of memory free.
>>>>
>>>>
>>>> Or if I drop down the datasize and cache size then I get the above
```

freebsd-stable: Re: heavy named problems

>>>> *crash. Any ideas anyone ?*  
>>>>  
>>>>  
>>>  
>>> *The only thing you should do with datasize is raise it.*  
>>> *The option is there so that the process can get \*more\* than*  
>>> *the default memory allocation.*  
>>>  
>>> *If you want to restrict the amount of memory being used then*  
>>> *max-cache-size is what should be set. Note for this to be*  
>>> *effective it needs to trigger \*before\* named's memory usage*  
>>> *hits the datasize limit.*  
>>>  
>>> *Lowering both datasize and max-cache-size is generally*  
>>> *counter productive.*  
>>>  
>>>  
>>>>  
>>>>  
>>>  
>> *True, but with none in place (I'd like it to use a gig or so if*  
>> *possible for the cache), then the system "freezes" and needs to be*  
>> *kill -9'ed and restarted, hence why I dropped the memory limits / put*  
>> *them in place in the first place. Ideally I'd like this machine to*  
>> *not crash at all since it's the primary cache. Have I run into some*  
>> *obscure bug ?*  
>>  
>  
> *Well FreeBSD defaults to a system wide maximum datasize of*  
> *512M (MAXDSIZ) and requires the kernel to be tuned to raise.*  
>

```
options MAXDSIZ="(1024*1024*1024)"  
options DFLDSIZ="(1024*1024*1024)"
```

Already got them in the kernel. Still got issues though.

Mark

---

freebsd-stable@freebsd.org mailing list  
<http://lists.freebsd.org/mailman/listinfo/freebsd-stable>  
To unsubscribe, send any mail to "freebsd-stable-unsubscribe@freebsd.org"