
Subject: nagios: Warning: The check of host '****' could not be performed due to a fork() error:

Posted by [romeor](#) on Mon, 16 Aug 2010 06:22:07 GMT

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hello, sirs!

I've installed the nagios with nagvis plugin and from time to time it stops to respond, while i still can vzctl enter into this machine.

i receive this message in /var/log/messages

Warning: The check of host '****' could not be performed due to a fork() error: 'Cannot allocate memory'.

here is the conf of this container:

Primary parameters

NUMPROC="8000:8000"

NUMTCPSOCK="9223372036854775807:9223372036854775807"

NUMOTHERSOCK="9223372036854775807:9223372036854775807"

VMGUARPAGES="603785:9223372036854775807"

Secondary parameters

KMEMSIZE="9223372036854775807:9223372036854775807"

OOMGUARPAGES="603785:9223372036854775807"

PRIVVMPAGES="603785:664163"

TCPSNDBUF="9223372036854775807:9223372036854775807"

TCPRCVBUF="9223372036854775807:9223372036854775807"

OTHERSOCKBUF="9223372036854775807:9223372036854775807"

DGRAMRCVBUF="9223372036854775807:9223372036854775807"

Auxiliary parameters

NUMFILE="9223372036854775807:9223372036854775807"

NUMFLOCK="9223372036854775807:9223372036854775807"

NUMPTY="512:512"

NUMSIGINFO="1024:1024"

DCACHESIZE="9223372036854775807:9223372036854775807"

LOCKEDPAGES="20126:20126"

SHMPAGES="9223372036854775807:9223372036854775807"

NUMIPTENT="9223372036854775807:9223372036854775807"

PHYSPAGES="0:9223372036854775807"

Disk quota parameters

DISKSPACE="10485760:11534336"

DISKINODES="2000000:2200000"

QUOTATIME="0"

QUOTAUGIDLIMIT="0"

and

```
sisemon:~# cat /proc/bc/105/resources
    kmemsize          30949316      42515317 9223372036854775807
9223372036854775807      0
    lockedpages       0          0          20126      20126      0
    privvmpages       327761     1143370      603785      664163
98961
    shmpages          671          687 9223372036854775807
9223372036854775807      0
    numproc           41          92          8000      8000      0
    physpages         293667     294962          0 9223372036854775807
0
    vmguarpages       0          0          603785 9223372036854775807
0
    oomguarpages      293668     294963      603785
9223372036854775807      0
    numtcpsock        16          19 9223372036854775807
9223372036854775807      0
    numflock          17          21 9223372036854775807
9223372036854775807      0
    numpty            1          2          512      512      0
    numsigninfo        0          20          1024      1024      0
    tcpsndbuf         320000     1016320 9223372036854775807
9223372036854775807      0
    tcprcvbuf         262144     210688 9223372036854775807
9223372036854775807      0
    othersockbuf      19968      81920 9223372036854775807
9223372036854775807      0
    dgramrcvbuf       0          497920 9223372036854775807
9223372036854775807      0
    numothersock      19          39 9223372036854775807
9223372036854775807      0
    dcachesize        1405444     1438558 9223372036854775807
9223372036854775807      0
    numfile           67141      67298 9223372036854775807
9223372036854775807      0
    numiptent         14          14 9223372036854775807
9223372036854775807      0
```

my kernel is 2.6.24-11 and containers are managed by proxmox.
and the TOP output is:

```
PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND
533 nagios 20 0 1229m 1.0g 2292 S 112.7 44.7 1060:29 nagios
1 root 20 0 10360 752 628 S 0.0 0.0 0:10.18 init
29 root 20 0 100 12 4 S 0.0 0.0 0:28.20 init-logger
```

```
79 root    16 -4 12616 672 352 S 0.0 0.0 0:00.00 udevd
344 root    20 0 5920 664 532 S 0.0 0.0 0:01.00 syslogd
366 root    20 0 62636 1212 652 S 0.0 0.1 0:00.00 sshd
375 root    20 0 21652 916 704 S 0.0 0.0 0:00.00 xinetd
408 root    20 0 11936 1408 1168 S 0.0 0.1 0:00.00 mysqld_safe
458 mysql   20 0 233m 25m 4936 S 0.0 1.1 6:19.71 mysqld
491 root    20 0 62808 2328 804 S 0.0 0.1 0:27.76 sendmail
499 smmsp   20 0 57704 1772 616 S 0.0 0.1 0:00.02 sendmail
509 root    20 0 251m 10m 5964 S 0.0 0.4 0:48.22 httpd
544 root    20 0 20876 1160 580 S 0.0 0.0 0:00.12 crond
562 xfs     20 0 20264 1244 752 S 0.0 0.1 0:00.08 xfs
570 root    20 0 46744 828 428 S 0.0 0.0 0:00.00 saslauthd
571 root    20 0 46744 560 160 S 0.0 0.0 0:00.00 saslauthd
622 root    20 0 86072 3352 2608 S 0.0 0.1 0:01.70 sshd
630 root    20 0 12200 1808 1300 S 0.0 0.1 0:00.26 bash
10143 apache 20 0 323m 15m 3124 S 0.0 0.7 0:27.96 httpd
16508 apache 20 0 253m 9380 2364 S 0.0 0.4 0:00.00 httpd
16512 apache 20 0 253m 9380 2364 S 0.0 0.4 0:00.02 httpd
16513 apache 20 0 253m 9388 2364 S 0.0 0.4 0:00.00 httpd
16514 apache 20 0 315m 9436 2364 S 0.0 0.4 0:00.02 httpd
16527 apache 20 0 253m 9408 2364 S 0.0 0.4 0:00.02 httpd
16534 apache 20 0 251m 4940 628 S 0.0 0.2 0:00.00 httpd
22034 apache 20 0 324m 17m 3132 S 0.0 0.7 2:18.70 httpd
25014 root   20 0 12620 1192 920 R 0.0 0.0 0:00.00 top
31795 apache 20 0 322m 16m 3124 S 0.0 0.7 1:30.98 httpd
```

considering this>

```
privvmpages 327761 1143370 603785 664163 98961
```

seems like there is a memory leak somewhere... why the hell it wants to use 4,4 GB of ram ?

emmm... seems like i've got it. i gave to VEs total guaranteed memory more, than i have physically... how can i null those failcnt out, so it would be easy to monitor the changes?

Subject: Re: nagios: Warning: The check of host '****' could not be performed due to a fork() error:

Posted by [curx](#) on Tue, 17 Aug 2010 18:31:18 GMT

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Hi,

use Nagios, Icinga or what kind of monitoring software ...

See:

<http://wiki.openvz.org/Category:Monitoring>

Bye,
Thorsten

Subject: Re: nagios: Warning: The check of host '****' could not be performed due to a fork() error:

Posted by [romeor](#) on Thu, 19 Aug 2010 06:13:02 GMT

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nope, rearranging the memory didnt give any result. still the same problem after some time. i even changed the kernel back to 2.6.18 but it seems pointless. nagios still sends these messages, while it has a lot of free ram.

i've attached few graphs and other VEs confs. can any1 help plz?

the problem is with VE id=5

File Attachments

- 1) [Hnode_ram.PNG](#), downloaded 210 times
 - 2) [nagios_ram.PNG](#), downloaded 207 times
 - 3) [105.txt](#), downloaded 235 times
 - 4) [104.txt](#), downloaded 245 times
 - 5) [103.txt](#), downloaded 251 times
-

Subject: Re: nagios: Warning: The check of host '****' could not be performed due to a fork() error:

Posted by [romeor](#) on Thu, 19 Aug 2010 06:14:15 GMT

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and two more config files, as it is allowed only 5 per message.

and the /proc/bc/resources the part with failcnt on 105 VE

uid	resource	held	maxheld	barrier	limit	failcnt
105:	kmemsize	7690217	19317234	9223372036854775807		
9223372036854775807		0				
	lockedpages	0	0	131072	131072	0
	privvmpages	124484	327251	262144	274644	
418						

other VEs are fine.

how it comes, that maxheld is 327251 pages or 1278 MB, while in graphs there is no more then

500 MB !? is there is some kind of memory leak somewhere in ovz?

File Attachments

- 1) [102.txt](#), downloaded 248 times
 - 2) [101.txt](#), downloaded 230 times
-

Subject: Re: nagios: Warning: The check of host '****' could not be performed due to a fork() error:

Posted by [romeor](#) on Thu, 19 Aug 2010 08:32:52 GMT

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made a bug report with a link here.
