
Subject: *SOLVED* Unrealistic privvmpages usage
Posted by [mephisto](#) on Thu, 15 Mar 2007 16:34:16 GMT
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Hi,

I'm running F-Secure Policy Manager 6.0 inside a CentOS VE and have also tried this with FSPM 7.0 inside a Debian 3.1 VE.

In both cases the F-Secure Policy Manager Server seems to consume extreme amounts of memory (as seen in user_beancounters), while this is not reflected on the hardware node (running free -m). FSPM seems to be based on Apache, so this might be something that can be seen with Apache only, but my Apache installations don't show this problem. Here are the details:

FSPMS not running:

Inside the VE:

Version: 2.5

| uid resource | held | maxheld | barrier | limit | failcnt | |
|---------------|--------|---------|----------|------------|---------|---|
| 104: kmemsize | 772084 | 2515183 | 33556806 | 36875611 | | 0 |
| lockedpages | 0 | 0 | 4490 | 4490 | 0 | |
| privvmpages | 3522 | 152370 | 279000 | 300000 | | 0 |
| shmpages | 0 | 299 | 23293 | 23293 | 0 | |
| dummy | 0 | 0 | 0 | 0 | 0 | |
| numproc | 11 | 75 | 4000 | 4000 | 0 | |
| physpages | 1031 | 3557 | 0 | 2147483647 | | 0 |
| vmguarpages | 0 | 0 | 125952 | 2147483647 | | 0 |
| oomguarpages | 1031 | 3557 | 125952 | 2147483647 | | 0 |
| numtcpsock | 1 | 10 | 4000 | 4000 | 0 | |
| numflock | 1 | 19 | 1000 | 1100 | 0 | |
| numpty | 1 | 1 | 400 | 400 | 0 | |
| numsiginfo | 0 | 5 | 1024 | 1024 | 0 | |
| tcpsndbuf | 8944 | 121832 | 14272375 | 30656375 | | 0 |
| tcprcvbuf | 16384 | 180600 | 14272375 | 30656375 | | 0 |
| othersockbuf | 11180 | 19560 | 7136187 | 23520187 | | 0 |
| dgramrcvbuf | 0 | 1212 | 7136187 | 7136187 | | 0 |
| numothersock | 7 | 10 | 4000 | 4000 | 0 | |
| dcachesize | 0 | 0 | 20078353 | 20680704 | | 0 |
| numfile | 220 | 1349 | 35904 | 35904 | 0 | |
| dummy | 0 | 0 | 0 | 0 | 0 | |
| dummy | 0 | 0 | 0 | 0 | 0 | |
| dummy | 0 | 0 | 0 | 0 | 0 | |
| numiptent | 4 | 4 | 200 | 200 | 0 | |

On the hardware node:

| | total | used | free | shared | buffers | cached |
|--------------------|-------|------|------|--------|---------|--------|
| Mem: | 1516 | 1452 | 63 | 0 | 55 | 746 |
| -/+ buffers/cache: | | 649 | 866 | | | |
| Swap: | 972 | 5 | 966 | | | |

FSPMS running:
Inside the VE:
Version: 2.5

| uid resource | held | maxheld | barrier | limit | failcnt | |
|---------------|---------|---------|----------|------------|---------|---|
| 104: kmemsize | 2004664 | 2515183 | 33556806 | 36875611 | | 0 |
| lockedpages | 0 | 0 | 4490 | 4490 | 0 | |
| privvmpages | 148100 | 152370 | 279000 | 300000 | | 0 |
| shmpages | 299 | 299 | 23293 | 23293 | 0 | |
| dummy | 0 | 0 | 0 | 0 | 0 | |
| numproc | 69 | 75 | 4000 | 4000 | 0 | |
| physpages | 2864 | 3557 | 0 | 2147483647 | | 0 |
| vmguarpages | 0 | 0 | 125952 | 2147483647 | | 0 |
| oomguarpages | 2864 | 3557 | 125952 | 2147483647 | | 0 |
| numtcpsock | 7 | 10 | 4000 | 4000 | 0 | |
| numflock | 17 | 19 | 1000 | 1100 | 0 | |
| numpty | 1 | 1 | 400 | 400 | 0 | |
| numsignifo | 0 | 5 | 1024 | 1024 | 0 | |
| tcpsndbuf | 62608 | 121832 | 14272375 | 30656375 | | 0 |
| tcprcvbuf | 114688 | 180600 | 14272375 | 30656375 | | 0 |
| othersockbuf | 6708 | 19560 | 7136187 | 23520187 | | 0 |
| dgramrcvbuf | 0 | 1212 | 7136187 | 7136187 | | 0 |
| numothersock | 5 | 10 | 4000 | 4000 | 0 | |
| dcachesize | 0 | 0 | 20078353 | 20680704 | | 0 |
| numfile | 1247 | 1349 | 35904 | 35904 | 0 | |
| dummy | 0 | 0 | 0 | 0 | 0 | |
| dummy | 0 | 0 | 0 | 0 | 0 | |
| dummy | 0 | 0 | 0 | 0 | 0 | |
| numiptent | 4 | 4 | 200 | 200 | 0 | |

On the hardware node:

| | total | used | free | shared | buffers | cached |
|--------------------|-------|------|------|--------|---------|--------|
| Mem: | 1516 | 1461 | 54 | 0 | 56 | 747 |
| -/+ buffers/cache: | | 658 | 858 | | | |
| Swap: | 972 | 5 | 966 | | | |

How can this be explained? How could it be resolved?

Best Regards,

Frederik
