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Subject: Re: Limiting CPU for tasks on HN ?

Posted by [seanfulton](#) on Sun, 02 Nov 2008 19:05:26 GMT

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I am experiencing a similar problem. We moved our mail server from a physical machine with 2 G of RAM and 2 G of SWAP into a virtual machine with essentially the same resources.

Nightly backup causes the mail server activity to drop to nothing, causing back-ups and major issues. I have spent about a month trouble-shooting this and verified that there is nothing within the VE that is causing the hang up.

When I turn off the nightly backup, no problems. When I run one, everything hangs.

Two things I have noticed which are strange: there are no errors inside the VE, just more and more sendmail processes launching, but the old ones don't close.

Second, it is possible to allocate more RAM to a VE than the system has, causing the HN to crash. I opened up all of the memory settings for the VE until the HN crashed. Had to back off the settings to keep it up. I know when the machine was running on a physical machine, it would kill off processes as the system ran out of ram (and swap). This activity happens within the VE itself. But if you accidentally tell the VE it has 8 G available but it only has 6G, it will cause a kernel panic the HN once it exhausts the 6 G.

BTW: Nightly backup is vzdump to an NFS mount. This is how I am set (2202 is the sendmail VE):

```
[root@gcn16 ~]# vzcpucheck -v
```

```
VEID      CPUUNITS
```

```
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```

```
0          1000
```

```
2202       100000
```

```
6005       1000
```

```
Current CPU utilization: 102000
```

```
Power of the node: 232811
```

```
[root@gcn16 ~]#
```

sean

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