
Subject: Re: Process Ids

Posted by [tscofield](#) on Fri, 30 Apr 2010 13:40:42 GMT

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We initially set the pid_max on the hw node to 128k. We were seeing two issues with that setting.

One of the errors was either with sudo or ps.

```
$sudo ps -ef |grep 105753
```

```
stat: Value too large for defined data type
```

```
$
```

The other error is with a commercial application, BEA's Tuxedo while trying to run the tmshutdown command

```
tmshutdown: internal error: CMDTUX_CAT:766: ERROR: must run on master node
```

We have changed the pid_max to 64k and we haven't seen the issue with sudo or ps, but the error with tmshutdown persists. If we drop the pid_max back down to 32k the tmshutdown command works as expected.

Our hardware node is running RedHat Enterprise 5.3 and the 2.6.18-128.1.1.el5.028stab062.3 kernel

The VE is running RedHat Enterprise 3.9, below is the config

```
NUMPROC="8192:8192"  
AVNUMPROC="41212:41212"  
NUMTCPSTOCK="82424:82424"  
NUMOTHERSTOCK="82424:82424"  
VMGUARSTOCK="3046400:9223372036854775807"
```

```
# Secondary parameters
```

```
KMEMSTOCK="3376091955:3713701150"  
TCPSTOCK="787755281:1125363985"  
TCPSTOCK="787755281:1125363985"  
OTHERSTOCK="393877640:731486344"  
DGRAMSTOCK="393877640:393877640"  
OOMGUARSTOCK="3046400:9223372036854775807"  
PRIVVMPAGES="3046400:3145728"
```

```
# Auxiliary parameters
```

```
LOCKEDSTOCK="164848:164848"  
SHMPAGES="989089:989089"  
PHYSTOCK="0:9223372036854775807"  
NUMFILE="1318784:1318784"  
NUMFLOCK="1000:1100"  
NUMPTY="512:512"  
NUMSIGINFO="1024:1024"  
DCACHESTOCK="737494741:759619584"  
NUMIPTENT="200:200"  
DISKSPACE="104857600:104857600"
```

```
DISKINODES="29301100:32231211"  
CPUUNITS="900"  
FEATURES="nfs:on "  
IP_ADDRESS="10.152.106.39"  
VE_ROOT="/vz/root/$VEID"  
VE_PRIVATE="/vz/private/$VEID"  
CPUS="2"
```
