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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"
NUMTCPSOCK="82424:82424"
NUMOTHERSOCK="82424:82424"
VMGUARPAGES="3046400:9223372036854775807"
```

# Secondary parameters

```
KMEMSIZE="3376091955:3713701150"
TCPSNDBUF="787755281:1125363985"
TCPRCVBUF="787755281:1125363985"
OTHERSOCKBUF="393877640:731486344"
DGRAMRCVBUF="393877640:393877640"
OOMGUARPAGES="3046400:9223372036854775807"
PRIVVMPAGES="3046400:3145728"
```

# Auxiliary parameters

```
LOCKEDPAGES="164848:164848"
SHMPAGES="989089:989089"
PHYS_PAGES="0:9223372036854775807"
NUMFILE="1318784:1318784"
NUMFLOCK="1000:1100"
NUMPTY="512:512"
NUMSIGINFO="1024:1024"
DCACHESIZE="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"

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