Subject: Memory calculations

Posted by Jeff Blasius on Sat, 22 Dec 2007 00:01:08 GMT

VZ users-

Can someone explain to me how vzcalc calculates the current and max
Mem? I initially thought Promised% was based upon VMGUAR and Max% was
based upon PRIVVM, but that doesn't seem to be the case. I believe I'm
allowing 128MB of guaranteed mem and 512MB burstable using the
parameters below. Is that true? The HN below has 32GB ram 64GB swap.

```
$ /etc/vz/conf/3166.conf
VMGUARPAGES="31250:9223372036854775807"
OOMGUARPAGES="31250:9223372036854775807"
PRIVVMPAGES="125000:150000"
```

```
$ vzcalc -v 3166
Resource    Current(%)  Promised(%)  Max(%)
Low Mem       0.04       0.53        0.53
Total RAM     0.10       n/a         n/a
Mem + Swap    0.03       0.20        n/a
Alloc. Mem    0.05       0.20        0.68
Num. Proc     0.00       n/a         0.15
-------------------------------------------
Memory        0.10       0.53        0.68
```

Thank You for the great software! It has dramatically improved the way we work.
                -jeff

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