Subject: OpenVZ Density
Posted by hm2k on Tue, 29 Jul 2008 15:59:41 GMT
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I'm trying to work out how many users or "units" I could run per server depending on the ram.

I'm looking at getting a new server with either 4GB or 8GB of ram.

The only information I could find on this appeared to be unofficial, and without any substance...

http://en.wikipedia.org/wiki/OpenVZ#Density
http://en.opensuse.org/OpenVZ_virtualization#Density
http://wiki.vpslink.com/index.php?title=OpenVZ_docs#Density

None of them state where the information originally came from, so there is no way to know which is the original or in fact where the information came from.

The graph has no real data to support it.

But then this is all just insignificant compared to the real issue...

768mb of ram/120 containers=6.4mb of ram per container, maybe less if you consider overheads.

How does this work?

I don't know any linux distros that will run on 6.4mb of ram, certainly the pre-created templates don't anyway.

Does this information have any real grounds?

It says that if it was 2GB of ram it could run up to 320, that means on 8GB it could run 1280, right?

What if each container was using 128mb of ram, how many could you run then?

128/6.4=20, therefore... 1280/20=64...

Does that mean I can run 64 x 128mb containers on 8GB of ram?

What about overheads?

Is there any real data on density and details on how it can be scaled?

How many containers can you reliably run on a hardware node? What kind of ratio are we talking?