Subject: Re: CPU Cores with Hyper-threading enabled
Posted by muttled on Mon, 08 Apr 2013 19:36:50 GMT

Based on (my understanding of) the way OpenVZ does load balancing, the cpus represented by /proc/cpuinfo are the ones allocated (but shift around, making it unpredictable).

That means if you allocate 4 processors for a container that should have had 2 REAL cores, you're giving them between 50-100% of the actual physical processors (closer to 100% depending on processes) instead of the 50% you were expecting since load would shift around from the HT "logical" processors to the physical processors.

I'd say a rule of thumb would be to assign as many processors as you actually want them to have, and assume that the HT might give a bump sometimes overall when containers are competing for the same real cores. Again, this is based on how I interpret the information from the wiki.