Subject: What happen when i assign more cpu than is available?
Posted by postcd on Wed, 18 Sep 2013 20:48:20 GMT

Hello,

i think CPU is not burstable in OpenVZ VMs, so i want to ask what happen when the cpu is distributed between VMs and there is no more free cpu units, cpu Mhz.., what if i create new VM with big cpu time assigned to it?

Subject: Re: What happen when i assign more cpu than is available?
Posted by votsalo on Fri, 20 Sep 2013 09:33:59 GMT

You cannot assign more cpu than is available.
read the man page for vzctl for --cpuunits and --cpus.
Also read the wiki. Search for "cpuunits".
(It explains cpuunits and cpulimit, but not cpus).

I'm not sure exactly how cpuunits and cpus relate to each other. If the host has 4 cpus and you create two containers with:
A: 1 cpu, 1000 cpuunits
B: 4 cpus, 1000 cpuunits

I assume that because container A sees only 1 cpu, it can use only 25% of the total cpu time, even though it is allocated 50%   of it. I conclude that a container gets assigned the minimum of the cpu allocation and the cpuunits allocation.