Subject: Is privvmpages's MAX limited to the amount of RAM on a computer
Posted by CatDaaaady on Fri, 20 Feb 2009 00:02:17 GMT
View Forum Message <> Reply to Message

I can't seem to get a straight answer on this one.
After reading these links:
 http://forum.openvz.org/index.php?t=msg&goto=2594&#m sg_2886
http://maxgarrick.com/understanding-openvz-resource-limits/
http://forum.openvz.org/index.php?t=msg&goto=32000&
http://wiki.openvz.org/Privvmpages#privvmpages
http://download.openvz.org/doc/OpenVZ-Users-Guide.pdf

I am unsure if we can set a VE's privvmpages to more than a system's total RAM.

For instance if I have a system that has:
4GB RAM
4GB SWAP
HardwareNode
free -m

	total	used	free	shared	buffers	cached
Mem:	3926	224	3702	0	4	78
-/+ buffers/cache:		141	3785			
Swap:	4094	9	4085			

I can run this command.
vzctl set 33503 --privvmpages 4G --save
Then run "free -m" inside the VE and we will see 4Gs for the system.

VE
$ free -m

	total	used	free	shared	buffers	cached
Mem:	3926	75	3850	0	0	0
-/+ buffers/cache:		75	3850			
Swap:	0	0	0			
$

But if I set it to more then 4G it will not show up as system memory.
vzctl set 33503 --privvmpages 6G --save
VE
$ free -m

	total	used	free	shared	buffers	cached
Mem:	3926	75	3850	0	0	0
-/+ buffers/cache:		75	3850			
Swap:	0	0	0			
$

Thoughts?
If the answer is "no". My follow up question is "Why not? Assuming you have enough SWAP to

cover it."