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Subject: Help with failed LockPages UBC  
Posted by [joelee](#) on Thu, 14 Feb 2008 03:50:22 GMT  
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Hi All,

I've been running this VPS for over 3months with no problems. Suddenly, I noticed my application would not start. I checked the UBC and noticed the "LOCKPAGES" resource registered failcnt...

I tried to increment this parameter with no success. I have not installed anything additional to this VPS. The application running on this VPS is an email/postfix App.

Note: Have not added any other VPS on the system either..

uid resource	held	maxheld	barrier	limit	failcnt	
105: kmemsize	373088	411281	2147483647	2147483647		0
lockedpages	0	0	32	32	0	
privvmpages	984	997	2147483647	2147483647		0
shmpages	1	2	8192	8192	0	
dummy	0	0	0	0	0	
numproc	8	9	1000	1000	0	
physpages	641	641	0	2147483647		0
vmguarpages	0	0	384000	2147483647		0
oomguarpages	641	641	2147483647	2147483647		0
numtcpsock	0	0	200	200	0	
numflock	0	1	100	110	0	
numpty	0	0	16	16	0	
numsiginfo	0	1	256	256	0	
tcpsndbuf	0	0	319488	2147483647		0
tcprcvbuf	0	0	319488	2147483647		0
othersockbuf	4464	4464	319488	2147483647		0
dgramrcvbuf	0	0	132096	132096	0	
numothersock	2	3	250	250	0	
dcachesize	0	0	1048576	4992000	0	
numfile	127	143	13000	13000	0	
dummy	0	0	0	0	0	
dummy	0	0	0	0	0	
dummy	0	0	0	0	0	
numiptent	10	10	128	128	0	

Upon booting the VPS the lockpages resource is clean... As soon as I try to ssh into the VPS it fails the ssh connection. And, upon checking the UBC again - I get the failcnt - see below.

uid resource	held	maxheld	barrier	limit	failcnt	
105: kmemsize	698314	923366	2147483647	2147483647		0
lockedpages	32	32	32	32	22	

privvmpages	3358	54372	2147483647	2147483647	0
shmpages	6	6	8192	8192	0
dummy	0	0	0	0	0
numproc	14	23	1000	1000	0
physpages	2240	5770	0	2147483647	0
vmguarpages	0	0	384000	2147483647	0
oomguarpages	2240	5770	2147483647	2147483647	0
numtcpsock	1	2	200	200	0
numflock	1	3	100	110	0
numpty	0	0	16	16	0
numsiginfo	0	2	256	256	0
tcpsndbuf	0	0	319488	2147483647	0
tcprcvbuf	0	0	319488	2147483647	0
othersockbuf	13392	15624	319488	2147483647	0
dgramrcvbuf	0	8376	132096	132096	0
numothersock	8	11	250	250	0
dcachesize	0	0	1048576	4992000	0
numfile	323	480	13000	13000	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
numiptent	10	10	128	128	0

Would appreciate any HELP/Suggestions... Can't start the application.

Joe

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Subject: Re: Help with failed LockPages UBC  
 Posted by [xemul](#) on Thu, 14 Feb 2008 07:48:03 GMT  
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As the quick and easy test you may set llockedpages to some very high value (like 2147483647 ) and check the maxheld after the application successful start.

Besides, you may start this app under strace like this  
 strace -fF -o log -e mlock,mlockall <app>  
 and check how many memory this application is trying to lock

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Subject: Re: Help with failed LockPages UBC  
 Posted by [joelee](#) on Thu, 14 Feb 2008 17:37:19 GMT  
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xemul, thanks for the reply... I will try your suggestions. However, I have this question. Since, my UBC settings for the lockpages were initial set with the default of 32:32 and the app worked fine for a long time with that setting - I am wondering how it worked with that low setting before. Also,

before I posted the error, I increased that setting at 64:64... up to 512:512... and same problem.

I guess I trying to understand if the lockpages value is typically that high? The other nagging question is when I did a vzcfgvalidate against that VPS no error was reported by it. I've had no success in the past where vzcfgvalidate worked - I don't know how useful is this command tool.

Anyway thanks for the tips... I will try them and report findings!

Joe

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