Subject: Partition Question
Posted by domz on Fri, 29 Apr 2011 16:38:31 GMT
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I got a new Centos Server and I am not sure how to partition it; I also can only access Rescue mode to do it since it's from leaseweb com
I got 4 HDD's, right now only one shows up when:
df -h
Filesystem Size Used Avail Use% Mounted on
/dev/sda2 884G 1.8G 836G 1% /
/dev/sda3 2.0G 36M 1.9G 2% /tmp
/dev/sda1 99M 18M 77M 19% /boot
tmpfs 7.9G 0 7.9G 0% /dev/shm

my /fstab
LABEL=/ / ext3 defaults 1 1
LABEL=/tmp /tmp ext3 defaults 1 2
LABEL=/boot /boot ext3 defaults 1 2
tmpfs /dev/shm tmpfs size=1024m 0 0
devpts /dev/pts devpts gid=5,mode=620 0 0
sysfs /sys sysfs defaults 0 0
proc /proc proc defaults 0 0
LABEL=SWAP-sda5 swap swap defaults 0 0

What's the next step? How can I partition them to look like this:
Partition Description Typical size
/ 24 Gb
swap Paging partition for the Linux operating system 2 times RAM
/vz Partition to host OpenVZ templates and Virtual Private Servers all the remaining space on the hard disk

Subject: Re: Partition Question
Posted by mustardman on Sun, 08 May 2011 17:41:11 GMT
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The SWSoft user guide has some minimum recommendations.

Better yet read the Virtuozzo install guide. It's similar but more up to date.

Basically you want.

/boot
100-200MB ext3

/

Anywhere from 8-16GB on ext3 or ext 3 on top of LVM partition

swap
twice the amount of ram on swap or swap on top of LVM partition

/vz
remainder of HD space on ext3 or ext3 on top of LVM partition.

Using LVM partition is optional but recommended. With LVM you can create templates/backups of containers without the container having to go offline (a huge benefit IMHO). Also LVM allows you to dynamically adjust the size of the partitions later on without losing your data.

I use LVM with Software RAID 1 partitioned as explained above according to the Virtuozzo guide on all my nodes. Here is a sample of how it would look in Disk Druid. Go back a couple pages to see the steps involved. Just substitute the sizing and partition names above.

If you don't use LVM then there is no need to have the separate /boot partition although it certainly can't hurt.
