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Subject: Install with 2 hard drives

Posted by [alex905](#) on Thu, 14 Feb 2008 11:32:18 GMT

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Sorry to ask such a question but all my previous installs have been with a server with one hard drive. This one has two. I want to make full use of the space. I heard that raid 0 might be the answer but I also head it is very likely to break down. How else might I setup the OS or raid to use both hard drives or do I have to reconfigure Openvz?

Thanks for any help you can give

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Subject: Re: Install with 2 hard drives

Posted by [sara3](#) on Fri, 15 Feb 2008 12:54:13 GMT

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if i were you i would use the first hdd as the main os and /vz  
and the second hdd for backup

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Subject: Re: Install with 2 hard drives

Posted by [John Kelly](#) on Fri, 15 Feb 2008 16:52:44 GMT

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LVM is my favorite:

| Device    | Boot | Start | End   | Blocks    | Id | System    |
|-----------|------|-------|-------|-----------|----|-----------|
| /dev/hda1 | *    | 1     | 19    | 152586    | 83 | Linux     |
| /dev/hda2 |      | 20    | 25    | 48195     | 83 | Linux     |
| /dev/hda3 |      | 26    | 31    | 48195     | 83 | Linux     |
| /dev/hda4 |      | 32    | 19457 | 156039345 | 8e | Linux LVM |

| Device    | Boot | Start | End   | Blocks | Id | System    |
|-----------|------|-------|-------|--------|----|-----------|
| /dev/hdb1 |      | 1     | 19457 | [all]  | 8e | Linux LVM |

The first three partitions are for /boot:  
3) temporary install boot  
2) rescue boot  
1) sys boot

The fourth partition of the first disk, and all partitions of other disks, are used for LVM. It's great for dynamically adding and dropping logical volumes.

| LV     | VG | Attr   | LSize   | Origin | Snap% | Move | Log | Copy% |
|--------|----|--------|---------|--------|-------|------|-----|-------|
| rescue | v0 | -wi-a- | 1.00G   |        |       |      |     |       |
| swap   | v0 | -wi-ao | 512.00M |        |       |      |     |       |
| sys    | v0 | -wi-ao | 8.00G   |        |       |      |     |       |

It takes some effort to get comfortable with LVM, but the results are

worthwhile. I resisted learning it at first, but now that I know how to, I always do.

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