This guide will explain how to partitioning a harddrive manually in ubuntu server edition (ubuntu server 12.04/12.10/13.04). By default installation of Ubuntu Server edition the installer creates just two partitions; the first for (/) the root partition, and the second for Swap partition. If you want creating partitions for installing Ubuntu Server edition, I recommend to create the following four partitions on your ubuntu server hardrive.

- **root partition** (/). The bulk of the programs used for running the system will be installed here.
- **boot partition** (/boot). This is where programs critical for booting the system will reside.
- **home partition** (/home) the partition where your home directory will be located. In the course of using the system, files and folders you create will reside in various folders here
- **swap partition** (swap):unformatted disk space for use as virtual memory. *swap partition* should be at least as big as your RAM size,

This is screenshot step by step manual disk partitioning of ubuntu server edition with following partition table:

- Hardisk : 32GB
- RAM: 1GB

<table>
<thead>
<tr>
<th>Type</th>
<th>Size</th>
<th>Location</th>
<th>FileSystem</th>
<th>Mount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary</td>
<td>20 GB</td>
<td>Beginning</td>
<td>ext4</td>
<td>/</td>
</tr>
<tr>
<td>Primary</td>
<td>200 MB</td>
<td>Beginning</td>
<td>ext4</td>
<td>/boot</td>
</tr>
<tr>
<td>Logical</td>
<td>10 GB</td>
<td>End</td>
<td>ext4</td>
<td>/home</td>
</tr>
<tr>
<td>Primary</td>
<td>2 GB</td>
<td>Beginning</td>
<td>swap</td>
<td>swap</td>
</tr>
</tbody>
</table>

**Step 1:** Choose the manual partitioning method at the bottom.

[!!] Partition disks

The installer can guide you through partitioning a disk (using different standard schemes) or, if you prefer, you can do it manually. With guided partitioning you will still have a chance later to review and customise the results.

If you choose guided partitioning for an entire disk, you will next be asked which disk should be used.

**Partitioning method:**

- Guided - use entire disk
- Guided - use entire disk and set up LVM
- Guided - use entire disk and set up encrypted LVM
- **Manual**

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**Step 2:** Choose harddrive you are planning to install ubuntu server and hit enter
**Step 3:** If you have selected an hardisk to be partitioned for Ubuntu server. Answer [Yes] to create new empty partition table to the hard disk.

**Step 4:** In this step we’ll create root partition (/), Select a free space to create new partition.
Step 5: Create boot partition (/boot)

Step 6: Create home partition (/home)
**Step 7:** Create swap partition (swap)

**Step 8:** This is the final step for manual partitioning process, Answer [yes] to Write all changes to hardrive,
If you continue, the changes listed below will be written to the disks. Otherwise, you will be able to make further changes manually.

The partition tables of the following devices are changed:
SCSI1 (0,0,0) (sda)

The following partitions are going to be formatted:
partition #1 of SCSI1 (0,0,0) (sda) as ext4
partition #2 of SCSI1 (0,0,0) (sda) as ext4
partition #5 of SCSI1 (0,0,0) (sda) as ext4
partition #4 of SCSI1 (0,0,0) (sda) as swap

Write the changes to disks?

<Yes> <No>

So that’s it. I hope you know what you are doing in the next step, thanks 😊