

iMedia Linux Devel ISO HowTO

v. 0.2

Note: I will use in this HOWTO an IDE Disk mounted as primary master (/dev/hda). During these steps you can use either mc or vi whatever you find comfortable for editing files.

Download iMedia Development Tree ISO, burn it on a DVD and use it for booting.

Download location:

GoDaddy hosting:

<ftp://imediadevel:Pinot4ou@resources.imedialinux.com/6.0.0/imedia-6.0.0-minibox-devel.iso>
<ftp://imediadevel:Pinot4ou@resources.imedialinux.com/6.0.0/imedia-6.0.0-minibox-devel.md5>

Backup site:

<ftp://imediadevel:Pinot4ou@75.28.42.161/imedia-6.0.0-minibox-devel.iso>
<ftp://imediadevel:Pinot4ou@75.28.42.161/imedia-6.0.0-minibox-devel.md5>

After boot:

1. Choose on "Basic Driver Selection" form you running platform.

This will be useful because it will properly set you xorg.conf file

2. On "Select Target Device" form, choose "Manual Partition"

Here you should create at least 2 partition

- One Primary (Bootable) having at least 6GB
- Second a swap partition 1G recommended

Manual partition operation:

- delete all existent partition
- create new one "Primary" having at least 6GB at the "Beginning" of drive and set it as "Bootable"
- create another one "Primary" and "Type" 82 Linux Swap/Solaris
- finally choose "Write" and you are done.
- Quit

Now select first partition to install iMedia to (/dev/hda1 or /dev/sda1) not the entire disk.

3. Choose whatever "Installation Type" you want.

4. Next 3 steps are right now useless but since we didn't had time to properly adjust Install DVD you will have to go through them anyway.

Development tree archive will overwrite whatever you are setting up here.

- IP Configuration
- Root Password
- Users Setup

5. On the final screen DO NOT Reboot and choose "Shell" to make the final modifications to our system and dump iMedia development tree archive.

```
[sh: ~]cd /mnt/sysimage  
[sh: sysimage] tar xjvf /cdrom/devel/imedia-devel.tar.bz2
```

This will take a while since development tree has around 6Gb

When finish we must setup file system options and eventually network settings and we are done.

File system setup:

- setup swap and the second partition created on Step 2.
[sh: sysimage]mkswap /dev/hda2
- edit /mnt/sysimage/etc/fstab to reflect current setup. It should look like this:

/dev/hda1	/	ext3	noatime	0 1
/dev/hda2	none	swap	sw	0 0
/dev/cdroms/cdrom0	/mnt/cdrom	iso9660	noauto,ro	0 0
proc	/proc	proc	defaults	0 0
shm	/dev/shm	tmpfs	nodev,nosuid,noexec	0 0

Network settings:

- edit /mnt/sysimage/etc/conf.d/net for ip config
- edit /mnt/sysimage/etc/conf.d/hostname for hostname configuration
- edit /mnt/sysimage/etc/resolv.conf for domain name and domain name servers configuration
- edit /mnt/sysimage/etc/hosts for hosts configuration

Default kernel used for booting is imedia-2.6.23-imedia-smp for hyper threading or multi core processors. If you need to change this edit /mnt/sysimage/boot/grub/menu.lst and choose your desired default kernel (i686 or i586)

Default root password is: 4root4

For any further suggestions or corrections regarding this document or any additional information on iMedia Linux SDK please contact iMedia Linux Project leaders:

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