Description

For my work, I need a stable laptop.

Hardware

It's a Lenovo x230i, pimped up like my x230 Tablet with a mSata drive for both systems (Windows 8 / Linux)
Here's the output of lspci

```
00:00.0 Host bridge: Intel Corporation 3rd Gen Core processor DRAM
Controller (rev 09)
00:02.0 VGA compatible controller: Intel Corporation 3rd Gen Core processor
Graphics Controller (rev 09)
00:14.0 USB controller: Intel Corporation 7 Series/C210 Series Chipset
Family USB xHCI Host Controller (rev 04)
00:16.0 Communication controller: Intel Corporation 7 Series/C210 Series
Chipset Family MEI Controller #1 (rev 04)
00:19.0 Ethernet controller: Intel Corporation 82579LM Gigabit Network
Connection (rev 04)
00:1a.0 USB controller: Intel Corporation 7 Series/C210 Series Chipset
Family USB Enhanced Host Controller #2 (rev 04)
00:1b.0 Audio device: Intel Corporation 7 Series/C210 Series Chipset Family
High Definition Audio Controller (rev 04)
00:1c.0 PCI bridge: Intel Corporation 7 Series/C210 Series Chipset Family
PCI Express Root Port 1 (rev c4)
00:1c.1 PCI bridge: Intel Corporation 7 Series/C210 Series Chipset Family
PCI Express Root Port 2 (rev c4)
00:1c.2 PCI bridge: Intel Corporation 7 Series/C210 Series Chipset Family
PCI Express Root Port 3 (rev c4)
00:1d.0 USB controller: Intel Corporation 7 Series/C210 Series Chipset
Family USB Enhanced Host Controller #1 (rev 04)
00:1f.0 ISA bridge: Intel Corporation QM77 Express Chipset LPC Controller
(rev 04)
00:1f.2 SATA controller: Intel Corporation 7 Series Chipset Family 6-port
SATA Controller [AHCI mode] (rev 04)
00:1f.3 SMBus: Intel Corporation 7 Series/C210 Series Chipset Family SMBus
Controller (rev 04)
02:00.0 System peripheral: Ricoh Co Ltd PCIe SDXC/MMC Host Controller (rev
07)
03:00.0 Network controller: Realtek Semiconductor Co., Ltd. RTL8188CE
802.11b/g/n WiFi Adapter (rev 01)
```

I miss the fingerprint reader 🙁

Partitions

I used the recover USB key to reinstall Windows 8 on the mSata drive then used the almighty Parted Magic CD to redefine partitions, shrink windows'one and label them (even though Fedora will use UUID ...).
Here's the partition schema:

```
Model: ATA HGST HTS725050A7 (scsi)
Disk /dev/sda: 500GB
Sector size (logical/physical): 512B/4096B
Partition Table: gpt
Disk Flags:

Number  Start   End     Size    File system     Name  Flags
 1      17.4kB  17.8GB  17.8GB  linux-swap(v1)  SWAP
 2      17.8GB  28.3GB  10.5GB  ext4            VAR
 3      28.3GB  80.7GB  52.4GB  ext4            HOME
 4      80.7GB  500GB   419GB   fat32           SHARE


Model: ATA INTEL SSDMCEAC12 (scsi)
Disk /dev/sdb: 120GB
Sector size (logical/physical): 512B/512B
Partition Table: gpt
Disk Flags:

Number  Start   End     Size    File system  Name
Flags
 1      1049kB  1050MB  1049MB  ntfs
hidden, diag
 2      1050MB  1322MB  273MB   fat32        EFI system partition
boot
 3      1322MB  1456MB  134MB                Microsoft reserved partition
msftres
 4      1456MB  74.9GB  73.4GB  ntfs         Basic data partition
 5      74.9GB  75.1GB  210MB   fat16        EFI System Partition
boot
 6      75.1GB  120GB   45.0GB  ext4         LINUX
```

The mSata drive is viewd as /dev/sdb but no real problem to boot windows/linux from it and I use the 500GB storage for /var /home and swap, it gives some read/write cycles life ore for SSD ⚠ Might be overkill 😬
To boot from efi I had to create that /dev/sdb5 partition ...

Installation

Well, I put the CD (netinstall), struggled a bit with the anaconda installer (mostly for the 2 disk partitioning scheme). I selected the Gnome environment (will install fvwm later :P) and well waited for the complete process to finish. That was super hard :P. I installed it in 64bits since I have 8GB of RAM.

Post-install

after this basic install, I installed some other programs and tweaked a bit the system.

Problems

Wifi

I don't know why but randomly I was out of network when using my wifi (WPA2 Personal with Hidden SSID). Symptoms where: all of a sudden no more network activity possible, no way to ping even my local network ... while the wifi card was still attached to the network. First reaction:

```
service restart NetworkManager.service
```

Which kind of work for some time, then I had to do it again ... Notice: I like when something is called “service” and/or Manager and it just doesn't work!
Of course NO logs nor error in dmesg / /var/log/messages nor the new ultimate shit of journalctl 🤦 (applause)
Rebooting was also fixing the crap - Windows solutions arriving to Linux!
“Solution so far” : disabling IPv6 globally ... yeah sorry at home I still have an IPv4 network ...
I edited /etc/sysctl.conf

```
sudo vi /etc/sysctl.conf
```

Then add:

```
net.ipv6.conf.all.disable_ipv6=1
net.ipv6.conf.default.disable_ipv6=1
```

I know I should put it in /etc/sysctl.d/whatever but it works like this and I'm pretty sure in some future update it will have to be in another repository...
I also edited the /etc/hosts

```
sudo vi /etc/hosts
```

Commented the last line and configured the first one ...

```
#127.0.0.1   localhost localhost.localdomain localhost4
localhost4.localdomain4
127.0.0.1   localhost localhost.localdomain yoru
#::1         localhost localhost.localdomain localhost6
localhost6.localdomain6
```

I have NO idea why there's all these localhost4/6 … sounds super funky.
Since we did some magic with Linux's kernel we have to reboot to make it work.
Here's the reference: http://lifeofageekadmin.com/how-to-disable-ipv6-fedora-1718/ Many thanks to this guy!
Note: I didn't had to delete interface like it's said on this article

Other

Well so far that was the one and only problem!!!

Added software

I installed a bunch of software on top of this basic installation:

Adobe / Flash

Yes I know proprietary software, bla bla … I want them ! feel fre not to use them 😉
Reference: http://lifeofageekadmin.com/how-to-install-adobe-reader-and-flash-on-fedora-18/
I added both 32 and 64bit repository from adobe:

```
sudo rpm -ivh http://linuxdownload.adobe.com/adobe-release/adobe-release-
x86_64-1.0-1.noarch.rpm
sudo rpm -ivh http://linuxdownload.adobe.com/adobe-release/adobe-release-
i386-1.0-1.noarch.rpm
sudo yum update
sudo yum install flash-plugin nspluginwrapper AdobeReader_enu
```

And that's it!

Skype

It's so nice to see a widely spread software like this in 32bits ONLY!!! Good Job …
Reference: http://www.unixmen.com/how-to-install-skype-on-fedora-18-64bit/
Anyway to install it:

```
sudo yum install alsa-lib.i686 libXv.i686 libXScrnSaver.i686 qt.i686 qt-
x11.i686 qtwebkit-2.2.2-2.fc18.i686
```

Then download the rpm from skype's website, selecting Fedora 16 😬 (so up to date ... but it works)

```
sudo rpm -ivh Downloads/skype-4.2.0.11-fedora.i586.rpm
```

❗ US international doesn't work until you install ibus-qt.i686

```
sudo yum install ibus-qt
```

Chomium

I like Chrome/Chromium largely better than Firefox (installed also) Reference: http://doc.fedora-fr.org/wiki/D%C3%A9p%C3%B4t_Fedora_Chromium

```
su -lc 'cd /etc/yum.repos.d && wget http://repos.fedorapeople.org/repos/spot/chromium/fedora-chromium-stable.repo'
sudo yum update
sudo yum install chromium
```

Enjoy!

Other funny stuff

Other stuff that I installed:

```
sudo yum install claws-mail rxvt-unicode-256color xscreensaver wavemon htop iftop iotop irssi fvwm ImageMagick xosview
```

I'll dig in claws plugins to see if I use this mailer or evolution or at worse Thunderbird. I'll also search replacement for hsetroot since it's not in default repositories (I use it for transparency of menus in fvwm)

From:
https://wiki.fortier-family.com/ - **Warnaud's Wiki**

Permanent link:
https://wiki.fortier-family.com/os/fedora/yoru

Last update: **2021/12/29 21:03**