Introduction

Tired of Systemd I will try to install OpenBSD in dualboot with windows 7 on my x230 Tablet

Downloads

Install58.iso

Install

Boot on CD
I use the same schema as for Linux:

- mSATA (1) 256GB for Windows/openBSD
- SATA (0) 500GB for swap/var/home and a Data (shared) partition

Disk	Partition	Format	Size	Mount Point
1	1	NTFS	1.5GB	SYSTEM_DRV
1	2	NTFS	175GB	Windows7_OS
1	3	UFS	61GB	OpenBSD /
0	1	UFS	160GB	OpenBSD swap (4g) /var (10g) /home
0	2	NTFS	309GB	DATA

Warnings

- ❗ flag bootable the / partition of OpenBSD to be able to reboot on it ❗

mSATA SSD

Edit 3rd partition:

```
Initialyze sd1
(E)dit
fdisk> e 2
Partition id : A6
fdisk> flag 2
fdisk> w
fdisk> q
```

Mount as /

```
Label editor
> a
partition a
FS type 4.2BSD
mount point: /
> q
```

SATA

Edit first partition

```
Initialyze sd0
(E)dit
fdisk> e 0
Partition id : A6
fdisk> w
fdisk> q
```

Create /swap (4g) /var (10g) /home (remaining space)

```
Label editor
> a
partition a
size: 4g
FS type swap

> a
partition b
size: 10g
FS type 4.2BSD
mount point: /var

> a
partition d
size:
FS type 4.2BSD
mount point: /home
> q
```

Sets

Select all :)
Installation goes from cd0
at the end ... reboot!

Create the pbr file

Insert a FAT 32 USB key to copy the boot file!!!

```
disklabel sd2
```

mount the key

```
mount /dev/sd2i /mnt
```

Create the openbsd.pbr file

```
dd if=/dev/rsd1a of=openbsd.pbr bs=512 count=1
```

Copy to USB

```
cp openbsd.pbr /mnt/.
```

Flag back Windows partition as bootable:

```
fdisk -e sd1
fdisk> flag 0
fdisk> w
fdisk> q
```

Reboot under windows

Windows bootloader

Start cmd as administrator

```
bcdedit /create /d "OpenBSD" /application bootsector
```

Note the nice string returned ... in this example it will be {0154a872-3d41-11de-bd67-a7060316bbb1}

```
C:\Windows\system32> bcdedit /set {0154a872-3d41-11de-bd67-a7060316bbb1}
device boot
The operation completed successfully.

C:\Windows\system32> bcdedit /set {0154a872-3d41-11de-bd67-a7060316bbb1}
path \openbsd.pbr
The operation completed successfully.

C:\Windows\system32> bcdedit /set {0154a872-3d41-11de-bd67-a7060316bbb1}
device partition=c:
The operation completed successfully.
```

```
C:\Windows\system32> bcdedit /displayorder {0154a872-3d41-11de-
bd67-7060316bbb1} /addfirst
The operation completed successfully.

C:\Windows\system32> bcdedit /timeout 10
The operation completed successfully.
```

Reboot!

Troubleshooting

Boot the install CD and type:

```
b sd0a:/bsd
```

References

- http://www.openbsd.org/faq/faq4.html#Multibooting
- http://www.openbsdsupport.org/dualboot.html
- http://karlbsd.blogspot.fr/2011/11/50-amd64-k43u-dual-booting-openbsd-50.html
- http://cromwell-intl.com/linux/multiboot-windows-openbsd/
- http://unix.stackexchange.com/questions/138729/centrino-n-6300-openbsd-5-5-no-link - original issue wiht openBSD 5.5

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