Requirement :

USB Key 4Gb min
Keyboard (usb connected to setup BIOS, was necessary on my T-253PRO to change boot order)
DHCP on network
A sick DOM

Download : http://www.positiv-it.fr/QNAP/APP/Disaster_Recovery_QNAP_Intel.zip

The archive is embedding :

USB Image
Win32DiskImager-0.9.5-install.exe (tools to write the USB Image)
ipscan24.exe (tools in case the embedded SAMBA server refuse to launch to find IP of the NAS)
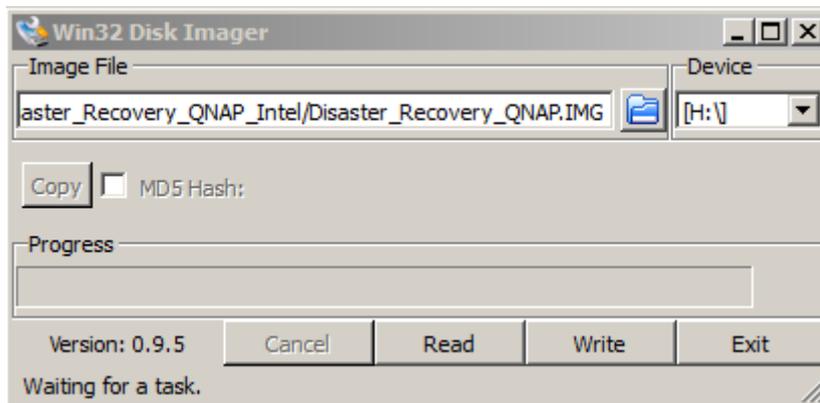
The Image is based on self made Slax Linux, Slax because it doesn't mount automatically volumes, it is a live distro, build with stacked software layers

1) buid you usb key

Install Win32DiskImager
Insert USB Media to WRITE
Select Image a push write button
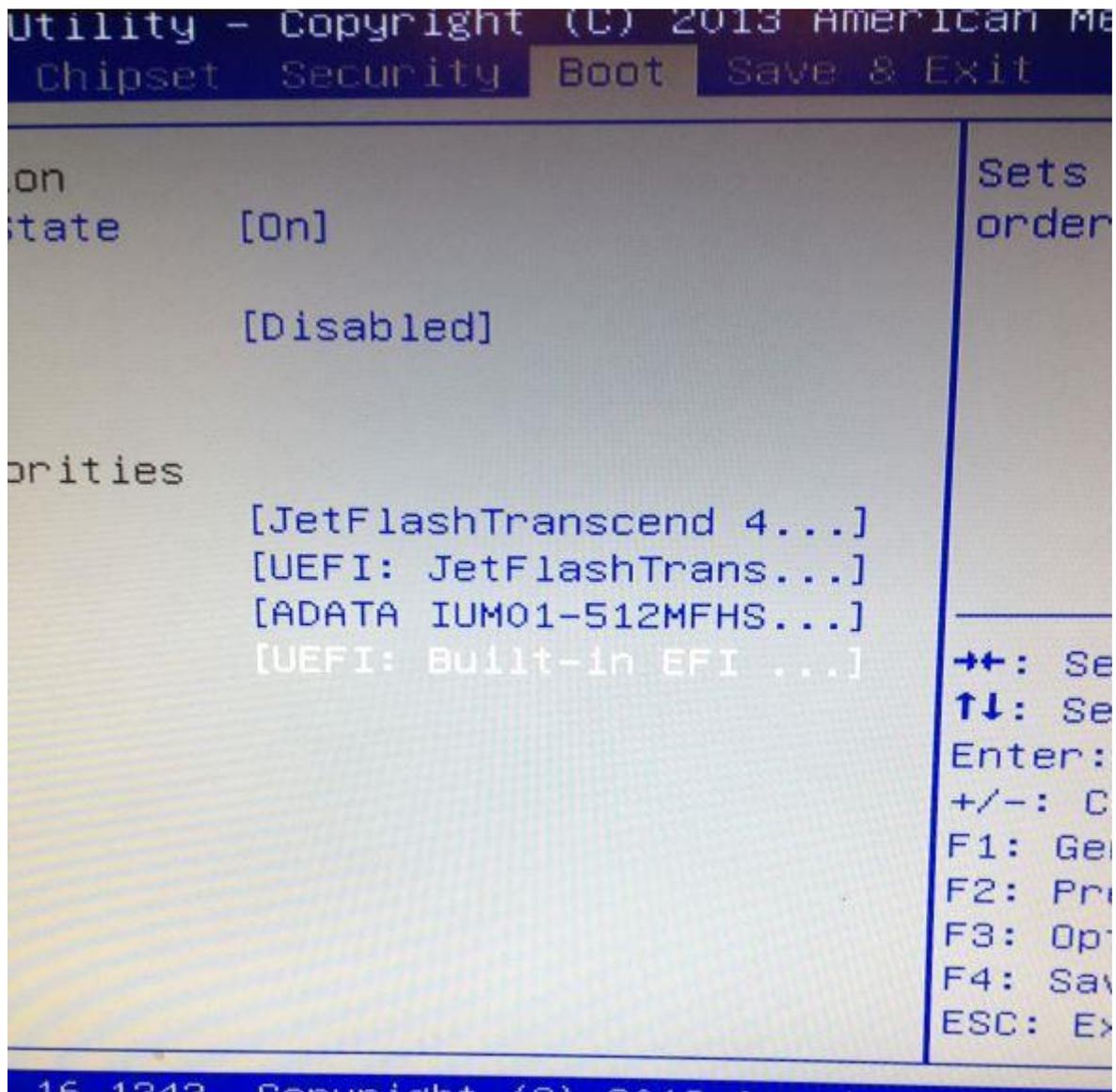

2) Boot on the environment

Once media is ready

Extract HDD from the sick NAS
Put the USB Key in it
Go in BIOS and put in boot order the USB Key (not sure this must be done each time, but was necessary on my TS253PRO)

utility - Copyright (C) 2013 American Me
Chipset   Security   Boot   Save & Exit

.on
tate   [On]

              [Disabled]

orities

              [JetFlashTranscend 4...]
              [UEFI: JetFlashTrans...]
              [ADATA IUMO1-512MFHS...]
              [UEFI: Built-in EFI ...]

Sets
order

→←: Se
↑↓: Se
Enter:
+/-: C
F1: Ge
F2: Pr
F3: Op
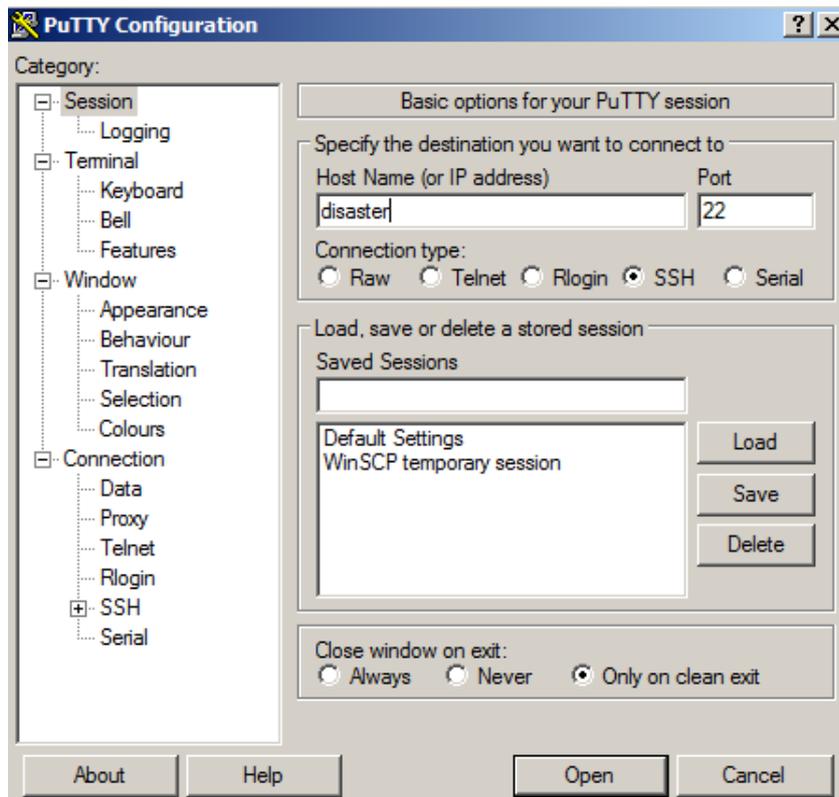F4: Sav
ESC: Ex

16 1342 Copyright (C)

Now boot up the NAS
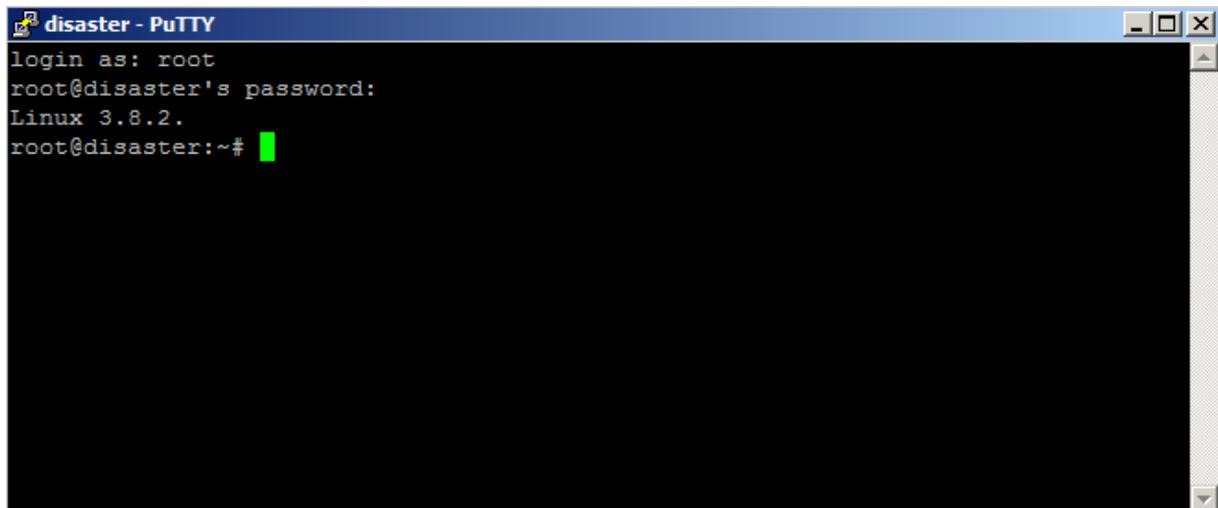The QNAP Logo should display and OS is loading

3) rewrite the DOM

Once OS is booted you can access the OS with WinSCP / Putty with netbios name "disaster"
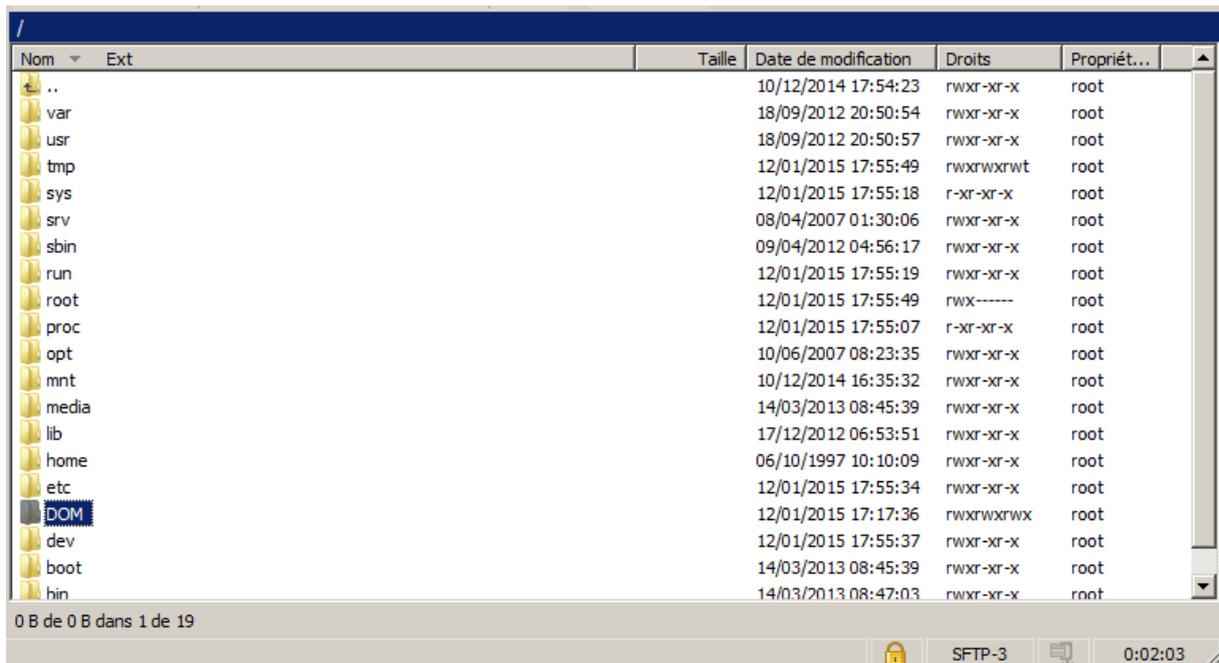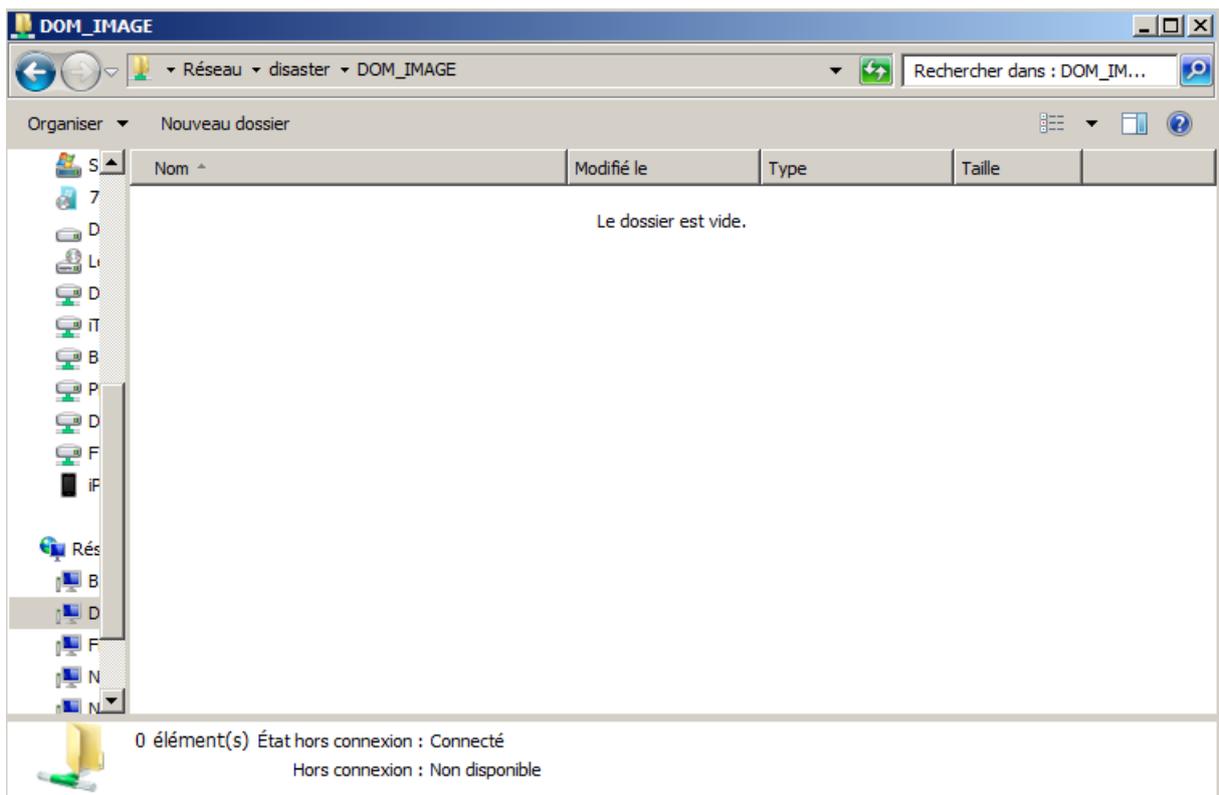
Access with login : root and pass : toor

I made a /DOM directory to host DOM Image (empty by default you need to upload the image)

With WinSCP

Nom ▼	Ext	Taille	Date de modification	Droits	Propriét...
..			10/12/2014 17:54:23	rwxr-xr-x	root
var			18/09/2012 20:50:54	rwxr-xr-x	root
usr			18/09/2012 20:50:57	rwxr-xr-x	root
tmp			12/01/2015 17:55:49	rwxrwxrwt	root
sys			12/01/2015 17:55:18	r-xr-xr-x	root
srv			08/04/2007 01:30:06	rwxr-xr-x	root
sbin			09/04/2012 04:56:17	rwxr-xr-x	root
run			12/01/2015 17:55:19	rwxr-xr-x	root
root			12/01/2015 17:55:49	rwx------	root
proc			12/01/2015 17:55:07	r-xr-xr-x	root
opt			10/06/2007 08:23:35	rwxr-xr-x	root
mnt			10/12/2014 16:35:32	rwxr-xr-x	root
media			14/03/2013 08:45:39	rwxr-xr-x	root
lib			17/12/2012 06:53:51	rwxr-xr-x	root
home			06/10/1997 10:10:09	rwxr-xr-x	root
etc			12/01/2015 17:55:34	rwxr-xr-x	root
DOM			12/01/2015 17:17:36	rwxrwxrwx	root
dev			12/01/2015 17:55:37	rwxr-xr-x	root
boot			14/03/2013 08:45:39	rwxr-xr-x	root
bin			14/03/2013 08:47:03	rwxr-xr-x	root

0 B de 0 B dans 1 de 19

SFTP-3   0:02:03

Or with SAMBA (\\disaster\DOM default samba public share)

PS : it may happen for some reason the samba server doesn't run on start, in this case use the ip scanner to find your NAS IP and use WinSCP to transfert the image

Now to find the device to rewrite

Just type lsscsi

```
disaster - PuTTY                                                    _ | □ | X |
login as: root
root@disaster's password:
Linux 3.8.2.
root@disaster:~# lsscsi
[8:0:0:0]    disk    ADATA    IUM01-512MFHS    0100    /dev/sda
[9:0:0:0]    disk    JetFlash Transcend 4GB    8.07    /dev/sdb
root@disaster:~#
```

The DOM is /dev/sda

Just need now

"cd /DOM"
" dd if=name_of_the_image of=/dev/sda bs=1k"

Once image is rewritten

"shutdown –h now" to shutdown nas

Remove USB , turn on NAS and enjoy   ;)