

Strasbourg Oleron2018 Structural Biology USB Kit

[isbp-2018_29mai2018.raw](#) has been build to have access to a small independent Linux OS with several Structural biology programs pre-installed and ready to be used. It can be downloaded from our ftp area.

To make your own USB key, there are 2 steps

- **Step 1.** get the raw image on your disk using sftp as indicated (in 1 step or using Filezilla)
- **Step 2.** Make an USB bootable Key from the raw image.

The way to do step2 depends on your laptop or computer OS

- on linux system, use dd as indicate
- on Ma OS X, use dd (using /dev/rdisk option)
- on Windows, use Win32 disk manager (see page 4)

Step1

[sftp shareguest@img-share.igbmc.fr:/data/workshop/isbp-2018_29mai2018.raw](#)

or a raw image 1Gio smaller

[sftp shareguest@img-share.igbmc.fr:/data/workshop/isbp-2018_29mai2018_shrink1Gio.raw](#)

(password [Sh4reGuestLogin](#))

For those using filezilla or other programs, directory /data is protected but /data/workshop is not protect

Step 2

Writing on an USB key from Linux (similar under MacOSX) :

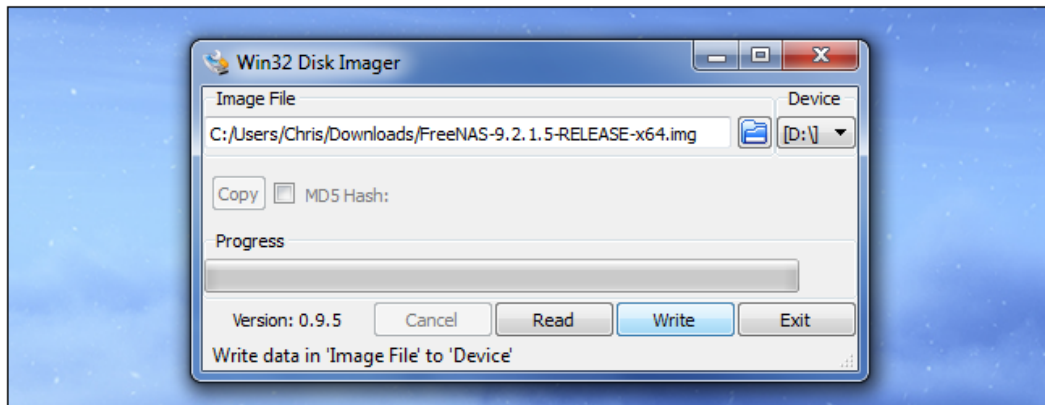
```
dd if=workshop.raw of=/dev/sdd bs=64k conv=sparse status=progress  
(bleu optionnal)
```

**** Caution, replace /dev/sdd with the path to your USB drive

Step2 : Creating an USB bootable key

Windows system

Use [Win32 Disk Imager](#) to write an IMG file to a USB drive or SD card. Provide a downloaded IMG file and the tool will write it directly to your drive, erasing its current contents. You can also use this tool to create IMG files from USB drives and SD cards.



workshop.raw is an img file type

Linux and MacOSX

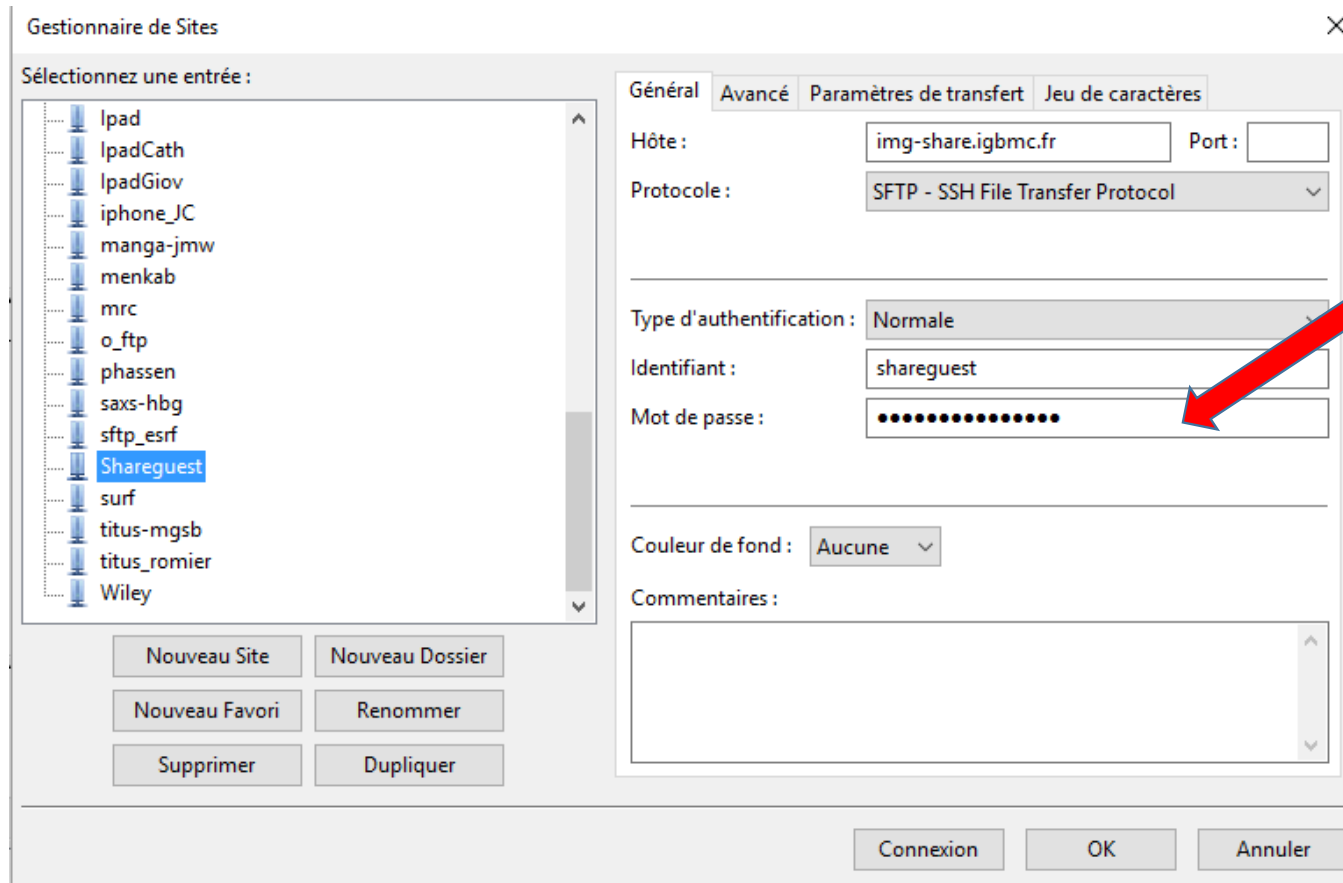
`dd if=workshop.raw of=/dev/sdd bs=64k`

Linux users can use the dd command to directly write an IMG file's contents to a removable media device. Insert the removable media and run the following command on Ubuntu:

```
sudo dd if=/home/user/file.img of=/dev/sdX bs=1M
```

Replace /home/user/file.img with the path to the IMG file on your file system and /dev/sdX with the path to your USB or SD card device. Be very careful to specify the correct disk path here — if you specify the path to your system drive instead, you'll write the contents of the image to your operating system drive and corrupt it

<https://filezilla-project.org/>



Sh4reGuestLogin

Hôte : Identifiant : Mot de passe : Port : Connexion rapide ▼

Statut : Déconnecté du serveur
Statut : Connexion à img-share.igbmc.fr...
Statut : Connected to img-share.igbmc.fr
Statut : Récupération du contenu du dossier "/data/workshop"...
Statut : Listing directory /data/workshop
Statut : Contenu du dossier "/data/workshop" affiché avec succès

Site local : C:\Users\JCAVA\

- ⊕ All Users
- ⊕ Default
- ⊕ Default User
- ⊕ Default.migrated
- ⊕ DefaultAppPool
- ⊕ JC-ADM
- ⊕ JCAVA
- ⊕ Public
- ⊕ WinCoot
- ⊕ Windows

Nom de fichier	Taille de fichier	Type de fichier	Dernière modification
..			
.biojs_templates		Dossier de fichier	06/04/2018 11:3
.gconf		Dossier de fichier	09/06/2018 09:1
.gconfd		Dossier de fichier	09/06/2018 09:3
.InstallAnywhere		Dossier de fichier	06/04/2018 11:3
.jmol		Dossier de fichier	13/11/2016 22:2
.iswinreader		Dossier de fichier	06/04/2018 11:3

24 fichiers et 45 dossiers. Taille totale : 14 700 069 octets

Site distant : /data/workshop

- ⊕ /
- ⊕ .ssh
- ⊕ data
- ⊕ workshop
- ⊕ etc

Nom de fichier	Taille de fichier	Type de fichier	Dernière modification	Droits d
..				
HowtogetPrograms-2018.pdf	331 200	Adobe Acr...	30/05/2018 16:...	-rw-r--r
bootable-usb-key.pdf	50 465	Adobe Acr...	21/09/2016 16:...	-rw-r--r
isbp-2018_29mai2018.raw		Dossier de ...	31/05/2018 09:...	lrwxrwxr
isbp-2018_29mai2018_shrink1Gio.raw		Dossier de ...	30/05/2018 15:...	lrwxrwxr

2 fichiers et 2 dossiers. Taille totale : 381 665 octets

Serveur / Fichier local

Direction Fichier distant

Taille Priorité

```
module load <program>
```

```
<program>
```

```
module load chimera
```

```
chimera
```

```
module load relion
```

```
relion
```

List available programs

module avail

List loaded programs

module list

Show info fore program e.g. path to program

module show <program>

Example

```
$module load atsas
```

```
$ module show atsas
```

```
/home/tp# module show atsas
```

```
-----  
/usr/local/modules/modulefiles/atsas/2.8.3-1:
```

```
module-whatis      Setup atsas 2.8.3-1
```

```
conflict          atsas
```

```
prepend-path      PATH /usr/local/modules/atsas/2.8.3-1/bin  
-----
```