

LiveCD

Current Live CD

The current Live CD can be downloaded from: <http://hdl.handle.net/2160/563>

The current Live CD version is 1.5.1 beta. A DSpace version 1.6 LiveCD is under development.

This guide has been written by [Stuart Lewis](#) at the University of Auckland Library.

Build a DSpace Live CD

To build a DSpace Live CD, follow these instructions:

Install Ubuntu

- Create a new virtual machine in your preferred virtual machine system (e.g. VMWare, VirtualBox etc)
- Install the latest version of Ubuntu in to a new virtual machine image.
 - During installation, create the user 'dspace', with the password 'dspace' and the name 'DSpace Live CD'
- Update packages to the latest and greatest.
- Install the VM system client additions
 - In the case of VirtualBox, this can be achieved with the following command:

```
sudo bash /media/cdrom/VBoxLinuxAdditions-x86.run
```

Install packages required by DSpace

- Add the remastersys software source
 - System -> Administration -> Software Sources -> Third-party Software
 - Add APT line:

```
deb http://www.geekconnection.org/remastersys/repository ubuntu/
```

- Install required packages

```
sudo apt-get update  
sudo apt-get install sun-java6-jdk maven2 ant ant-optional tomcat6 postgresql vim subversion remastersys
```

Remove software

Remove software not needed to make the resultant LiveCD a bit smaller

```
brasero wodim tomboy f-spot gimp ekiga evolution pidgen transmission-common rhythmbox totem totem-plugins totem-common totem-mozilla
```

Configure packages

- Edit /etc/defaults/tomcat6 and add a line at the top saying

```
TOMCAT6_SECURITY=no
```

- To get tomcat logging to work, I have had to create symlink to the log directory

```
sudo ln -s /var/log/tomcat6/ /usr/share/tomcat6/logs
```

- Edit /etc/postgresql/8.3/main/pg_hba.conf
 - On the line 'local all all ...' change the METHOD to be 'trust'

Download build scripts

```
cd
mkdir DSpaceLiveCD
cd DSpaceLiveCD
wget http://stuartlewis.com/dspacelivecd/build-dspace
wget http://stuartlewis.com/dspacelivecd/dspace.cfg
chmod u+x build-dspace
mkdir ROOT
cd ROOT
wget http://stuartlewis.com/dspacelivecd/root.html
mv root.html index.html
```

Build DSpace

```
cd
cd DSpaceLiveCD
./build-dspace
```

Setup desktop

- Applications -> Internet -> Firefox (right click) -> Add this launcher to desktop
 - Launch FireFox, and set the home page to <http://localhost:8080/>
- Make Firefox start automatically
 - System -> Preferences -> Startup Applications -> Add

```
firefox %u
```

- Applications -> Accessories -> Terminal (right click) -> Add this launcher to desktop
- Set background:

```
wget http://dspace.org/images/mac_large.zip
unzip mac_large.zip
sudo cp large/jpeg/* /usr/share/backgrounds/
rm mac_large.zip
sudo rm -r large
```

- System -> Preferences -> Appearance -> Background -> '+'
 - Add /usr/share/backgrounds/logo
- Select preferred DSpace logo for desktop

Make the live CD

- Edit the remastersys preferences:
 - System -> Administration -> Remastersys Backup -> Modify
- Edit /usr/bin/remastersys and remove the line that cp's the ubiquity icon to the desktop
- Build the CD

```
sudo remastersys backup
sudo vim /home/remastersys/remastersys/ISOTMP/isolinux/isolinux.cfg (remove install option)
sudo vim /home/remastersys/remastersys/ISOTMP/isolinux/isolinux.txt (remove install option)
sudo remastersys dist iso
```

- Make a shared folder in your virtual machine config to copy the Live CD to.
 - In VirtualBox you can mount a shared folder called shared into a directory called mount by using

```
sudo mount -t vboxsf shared mount
```

- Test the resulting ISO