

Linux

How do I create a Debian mirror?

This is a bit more complicated, but here you go:

First we install the package from the debian team which helps us setting up the mirror:

```
aptitude install debmirror
```

Always a good idea: create a own user for this operation:
(replace PATH with the path where you would like to put the files)

```
groupadd mirror  
useradd -g mirror -d /PATH -c "Debian Mirror" mirror
```

```
mkdir -p /PATH/debian  
mkdir /PATH/security  
chown -R mirror:mirror /PATH
```

Now we need to install the GPG key of the Debian FTP masters:
(so before synching our server will check the signature for every file)

```
aptitude install debian-keyring  
su mirror -c "gpg --import /usr/share/keyrings/debian-role-keys.gpg"  
su mirror -c "GET http://ftp-master.debian.org/ziyi\_key\_2006.asc | gpg --import"
```

So now we drop our privileges to the user "mirror":

```
su mirror
```

After that we start the mirroring scripts:
(you may use other mirrors then <ftp.de.debian.org> of course)

```
debmirror /PATH/debian --passive --progress --nosource --host=ftp.de.debian.org --root=/debian  
--dist=sarge,etch,sid --section=main,contrib,non-free --arch=i386 --cleanup  
debmirror /PATH/security --passive --progress --nosource --host=security.debian.org --root=/debian-  
security --dist=sarge/updates,etch/updates --section=main,contrib,non-free --arch=i386 --cleanup
```

As this has worked, we now need to make some symlinks so stable, testing and unstable work too:

```
cd /PATH/debian/dists  
ln -s sarge stable  
ln -s etch testing  
ln -s sid unstable  
cd /PATH/security/dists  
ln -s sarge stable  
ln -s etch testing
```

To make everything automated you could now setup those two debmirror commands within cron.

Enjoy!

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