

# Usermap

## Install usermap

Install the WebDAV Usermap Filesystem

```
# apt-get install hubzero-usermap
```

## Configure Usermap

```
# apt-get install autofs
```

Edit **/etc/auto.master** by adding the following line

```
/webdav/home /etc/auto.webdav --timeout=60
```

Edit/create **/etc/auto.webdav** so that it has the following content

```
* -fstype=usermap,user=www-data,allow_other :&
```

```
# /etc/init.d/autofs restart
```

Add **fuse** to the **/etc/modules** file so that it is loaded on startup.

This automounts a usermap filesystem of a users home directory inside of `/webdav/home` on demand. This version of the users home directory is owned and accessible to the user `www-data` which allows WebDAV to serve its contents.

## Test

```
# touch /home/myhub/apps/test
# ls -l /webdav/home/apps
```

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You should see a list of files in apps's home directory ("test") which will appear to be owned by www-data.www-data

```
# mount -l
```

You should see something like:

```
mount.usermap on /webdav/home/apps type fuse.mount.usermap  
(rw,nosuid,nodev,allow_other)
```

Finally clean up.

```
# umount -f /webdav/home/apps  
# rm /webdav/home/apps/test
```

## Troubleshooting

If the test doesn't work, check if the fuse kernel module is loaded

```
# lsmod | grep fuse  
fuse                54176  0
```

If there is no output then try starting the kernel module manually

```
# modprobe fuse
```

Then try the test again