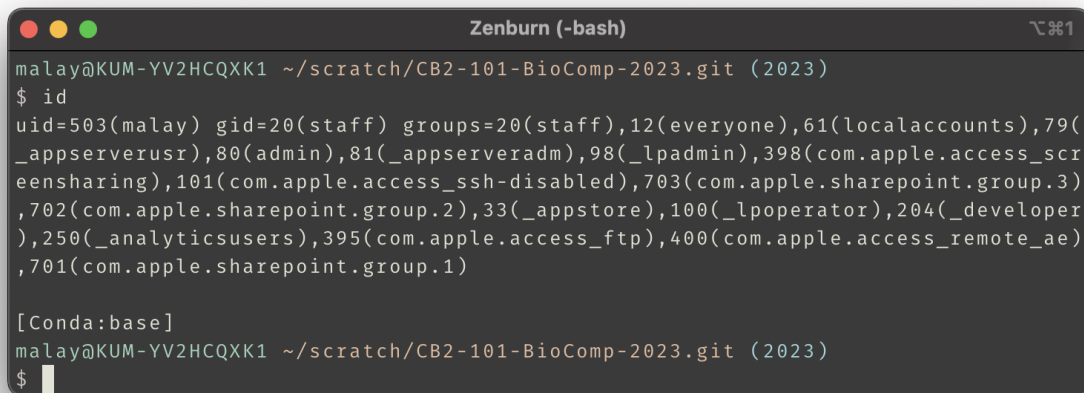


QTM notes

2023-11-06

How to access shared folder

First in your mac host check your UID and GID.

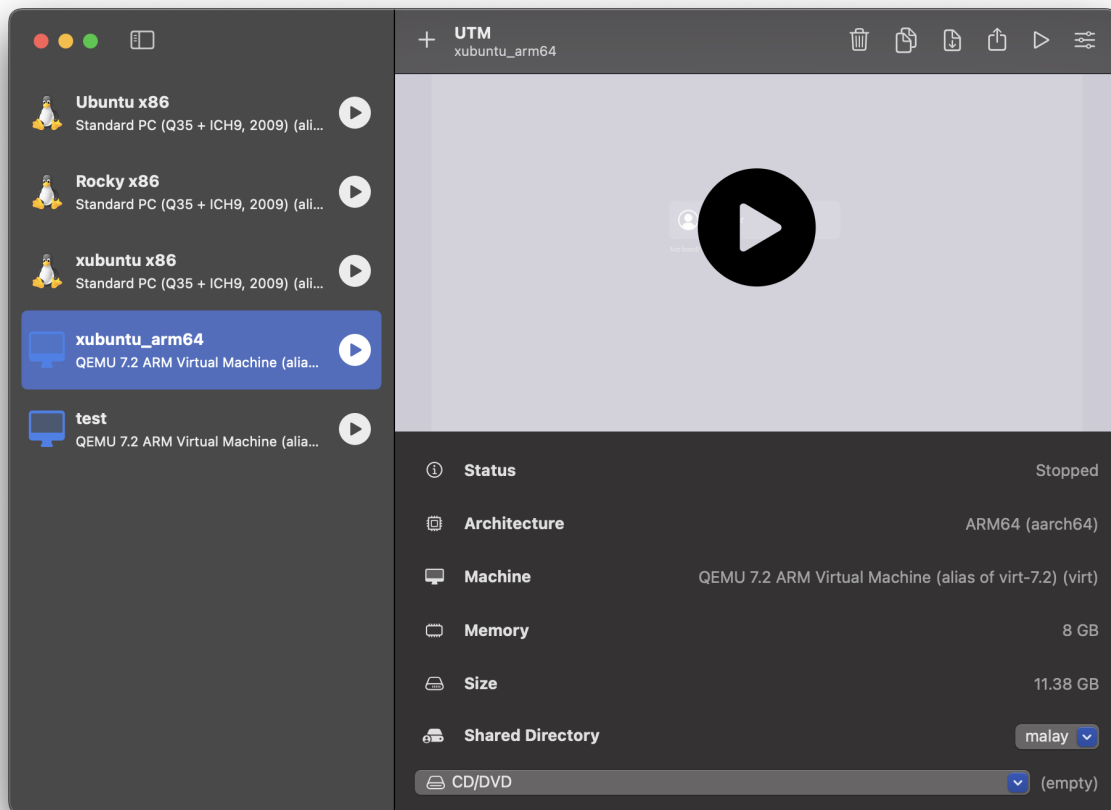
A screenshot of a macOS terminal window titled "Zenburn (-bash)". The window shows the command "id" being executed, resulting in a long string of user and group information. The output indicates the user is "malay" with a UID of 503 and a GID of 20. The terminal also shows the current directory as "~/scratch/CB2-101-BioComp-2023.git" and the shell as "2023".

```
malay@KUM-YV2HCQXK1 ~/scratch/CB2-101-BioComp-2023.git (2023)
$ id
uid=503(malay) gid=20(staff) groups=20(staff),12(everyone),61(localaccounts),79(
_appserverusr),80(admin),81(_appserveradm),98(_lpadmin),398(com.apple.access_scr
eensharing),101(com.apple.access_ssh-disabled),703(com.apple.sharepoint.group.3)
,702(com.apple.sharepoint.group.2),33(_appstore),100(_lpoperator),204(_developer
),250(_analyticsusers),395(com.apple.access_ftp),400(com.apple.access_remote_ae)
,701(com.apple.sharepoint.group.1)

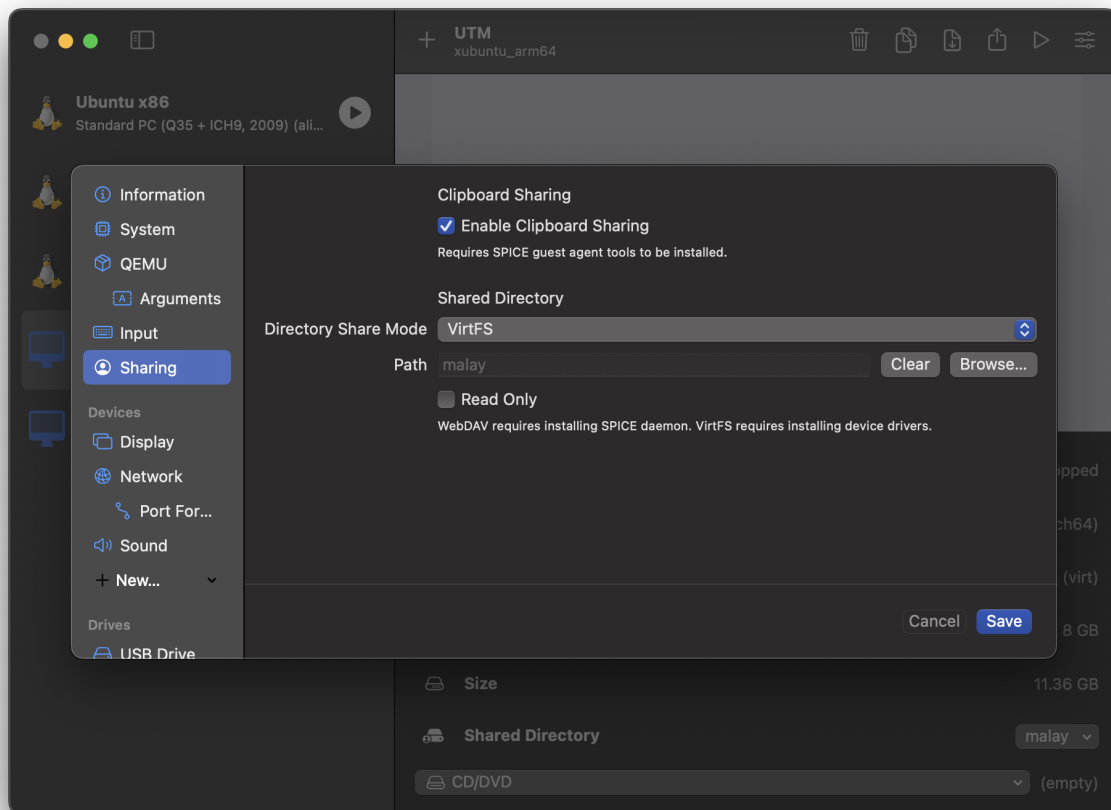
[Conda:base]
malay@KUM-YV2HCQXK1 ~/scratch/CB2-101-BioComp-2023.git (2023)
$
```

Looks like my UID is 503 and GID is 20. Remember that.

Then check the correct options are selection in virtual machine settings.



I have shared my home directory malay.



Make sure you have `virtFS` selected as sharing mode.

Now boot the VM and make sure that you have the `bindfs` installed.

```
Terminal - cb2user@cb2: ~
File Edit View Terminal Tabs Help
cb2user@cb2:~$ sudo apt install bindfs
[sudo] password for cb2user:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
bindfs is already the newest version (1.14.7-1).
0 upgraded, 0 newly installed, 0 to remove and 39 not upgraded.
cb2user@cb2:~$
```

Create a directory where your shared files will be mounted by the `root`. I will create this directory in `/mnt`. And call it `macos`.

```
sudo mkdir -p /mnt/macros
```

We will also create another directory called **mac** in your home where this directory will be mounted using a system called bind mount. *Note* there is no **sudo** in it.

```
cd  
mkdir mac
```

Now add the following lines in your **/etc/fstab**. You can copy and paste your these lines.

```
share /mnt/macros 9p trans=virtio,version=9p2000.L,rw,_netdev,nofail 0 0  
/mnt/macros /home/cb2user/mac fuse.bindfs map=503/1000:@20/@1000,x-systemd.requires=/mnt/macros 0 0
```

Note that in the second line 503 is the UID and 20 is the GID of my mac, as we found out in the first step. You need to use **sudo /etc/fstab** to edit the file.

Now reboot. All your mac files will be in **~/mac** directory.
