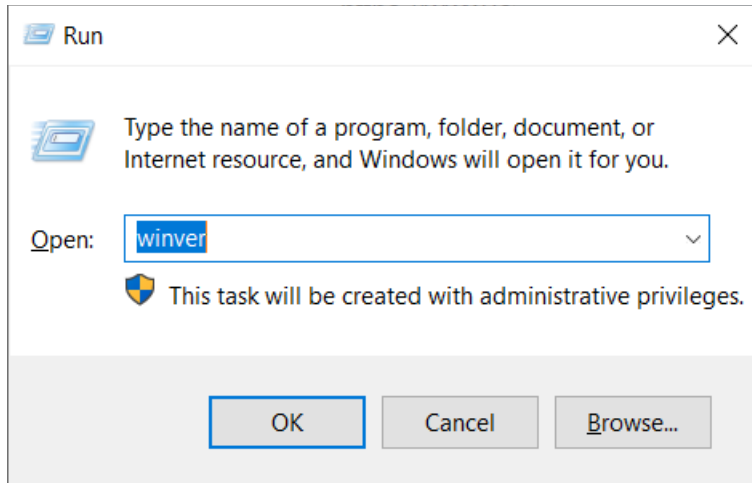


Installing WSL 2(Windows subsystem for Linux 2)

Verify you are running Windows 10, Version 1903, Build 18362 or higher.

You may check this by pressing windows key R.

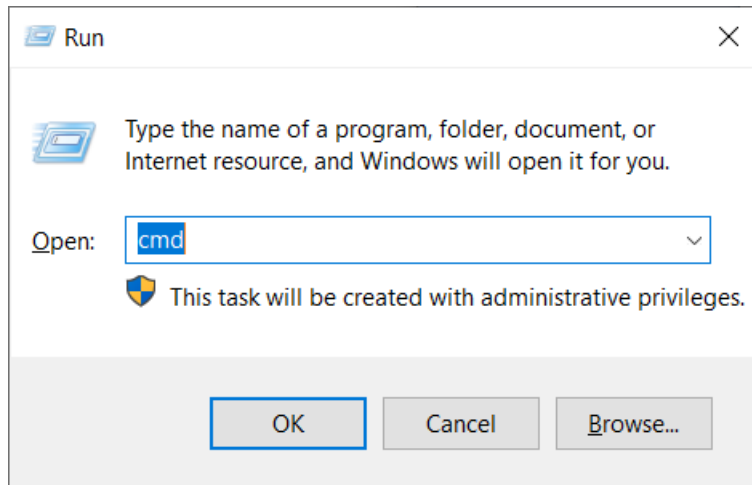
In the run dialog, type: "winver" without the quotes and press enter.



If you are not running the above version, you can download the Windows Update Assistant from Microsoft. <https://www.microsoft.com/en-us/software-download/windows10> .

This will update your system to the newest Windows 10 version.

As an administrator account, open a cmd window by pressing windows key R

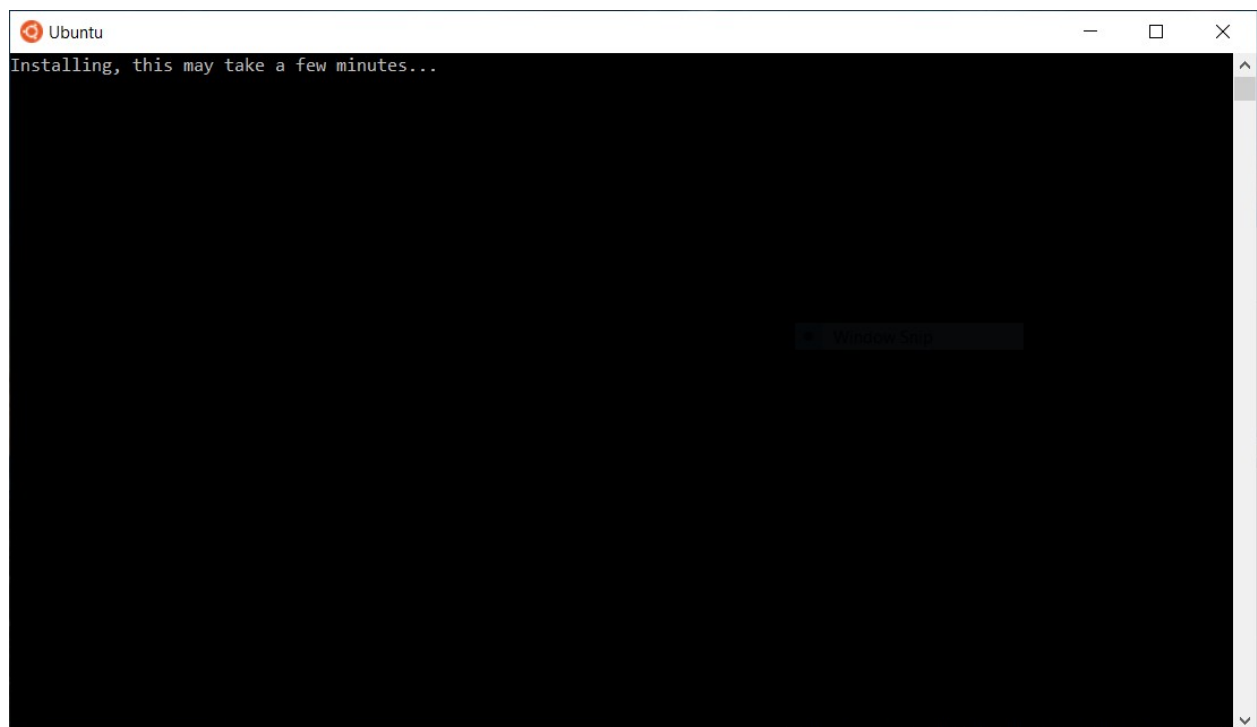


In the run dialog, enter the command, cmd and click ok.

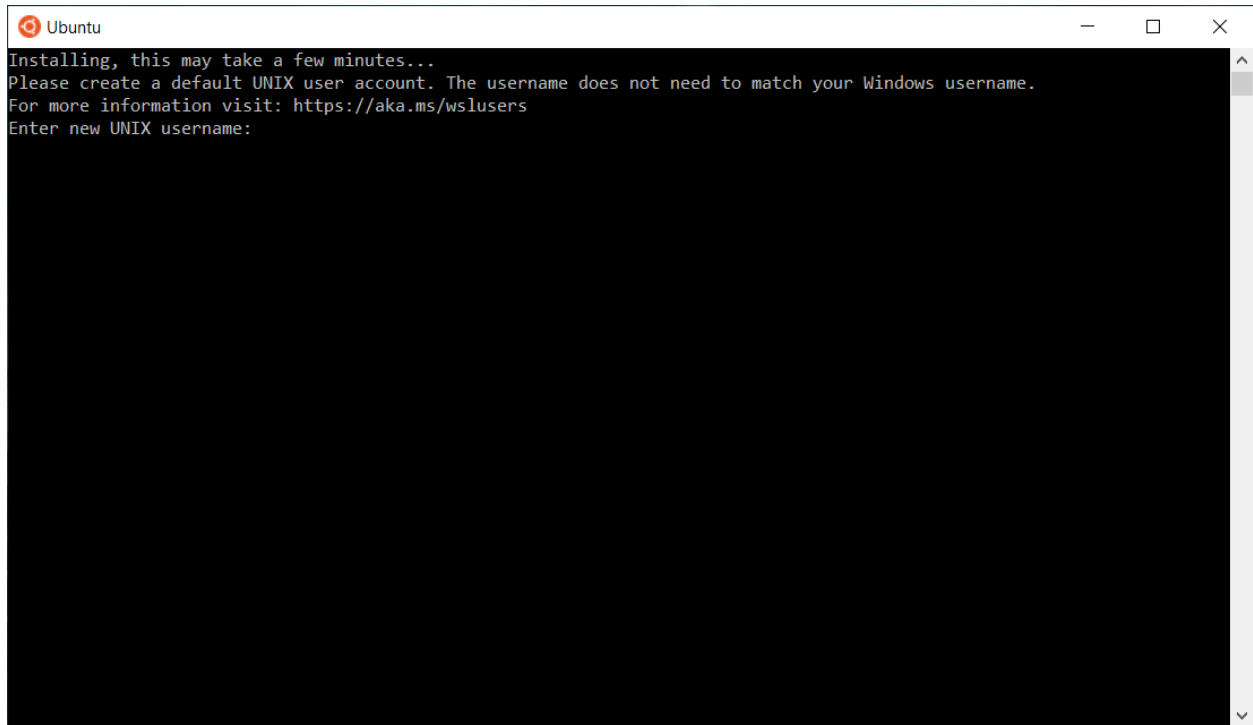
Enter the following command in the cmd window: "wsl --install -d Ubuntu" without the quotes.

Once the command has finished, reboot your computer.

After rebooting, the Ubuntu install will continue. This will take a few minutes. Do not close the Ubuntu dialog box while it is installing.

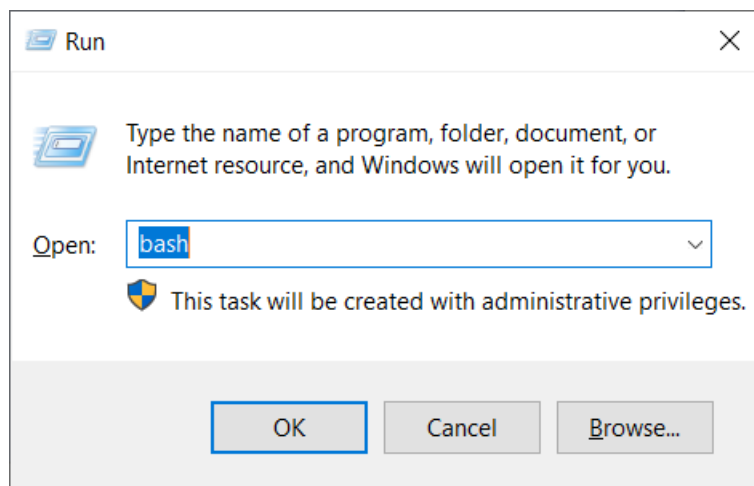


You will eventually see a prompt to Enter new UNIX username: prompt.



Select a username and press enter. It will now prompt for a New password: . Enter a password and press enter. It will then ask you to Retype new password. Verify your password and press enter.

You will now be at a bash prompt. If at any point, you close the Ubuntu bash window, you can re-open it by pressing windows key R and typing: bash then press ok.



Mount your media library in WSL 2 Ubuntu

First, we will make a mount point for our library.

To make the changes we need to directories and files, we will use the sudo command. This will prompt for the password that you set earlier.

As an example, we will use the Windows drive letter Y for the location of our library.

In your Ubuntu bash window, type: "sudo mkdir /library" without the quotes. This will create a local mount point where Unmanic will be able to see your media.

Next, we will want to make sure this drive will be mounted after reboots. For this command, we will need to run as root. From the Ubuntu bash window, type: sudo su - and press enter. Enter your password when prompted.

Next, we will add the drive entry to the fstab file.

With the following command, we will want to leave the quotes in place. From your Ubuntu bash window, type: echo "Y: /library drvfs defaults 0 0" >>/etc/fstab

Next, we will need to mount the drive. From the Ubuntu bash window, type: "mount -a" without the quotes.

To verify the drive is now mounted, type: "df -h" without quotes.

The drive will be shown somewhere in the listed entries.

```
austinsr@DESKTOP-BOQG0QF: /mnt/c/WINDOWS/system32$ df -h
Filesystem      Size  Used Avail Use% Mounted on
/dev/sdb        251G  1.1G  238G   1% /
tools          238G  51G  187G  22% /init
none            3.1G   0  3.1G   0% /dev
tmpfs           3.1G   0  3.1G   0% /sys/fs/cgroup
none            3.1G  8.0K  3.1G   1% /run
none            3.1G   0  3.1G   0% /run/lock
none            3.1G   0  3.1G   0% /run/shm
none            3.1G   0  3.1G   0% /run/user
tmpfs           3.1G 368M  2.7G  12% /mnt/wsl
Y:              22T  14T  8.0T  64% /library
C:\             238G  51G  187G  22% /mnt/c
/dev/sdd        251G 696M  238G   1% /mnt/wsl/docker-desktop-data/isocache
none            3.1G  16K  3.1G   1% /mnt/wsl/docker-desktop/shared-sockets/host-services
/dev/sdc        251G 120M  239G   1% /mnt/wsl/docker-desktop/docker-desktop-proxy
/dev/loop0      330M 330M   0 100% /mnt/wsl/docker-desktop/cli-tools
austinsr@DESKTOP-BOQG0QF: /mnt/c/WINDOWS/system32$
```

Docker for Windows

Next we will install Docker for Windows.

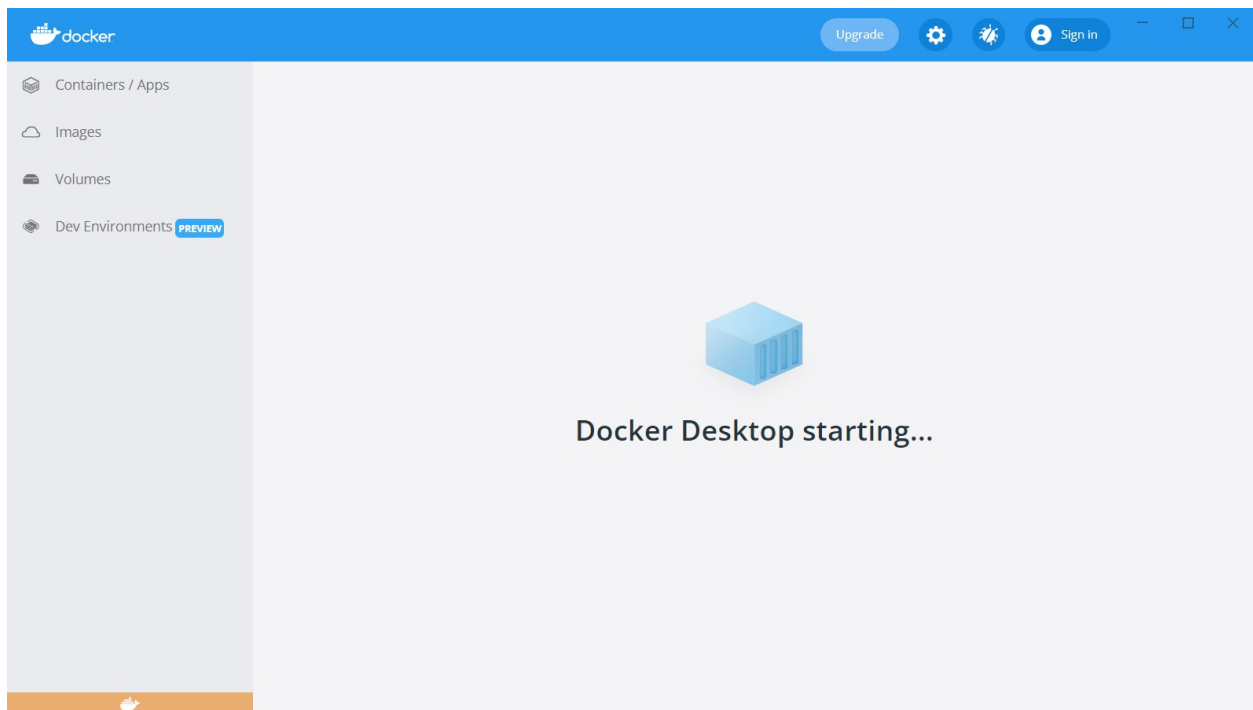
Docker for Windows can be found at <https://docs.docker.com/desktop/windows/install/>

Once the Docker Desktop Installer has been downloaded, run the installer.

When the installer opens, make sure the "Install required Windows components for WSL 2" is checked. Click Ok to start the installation.

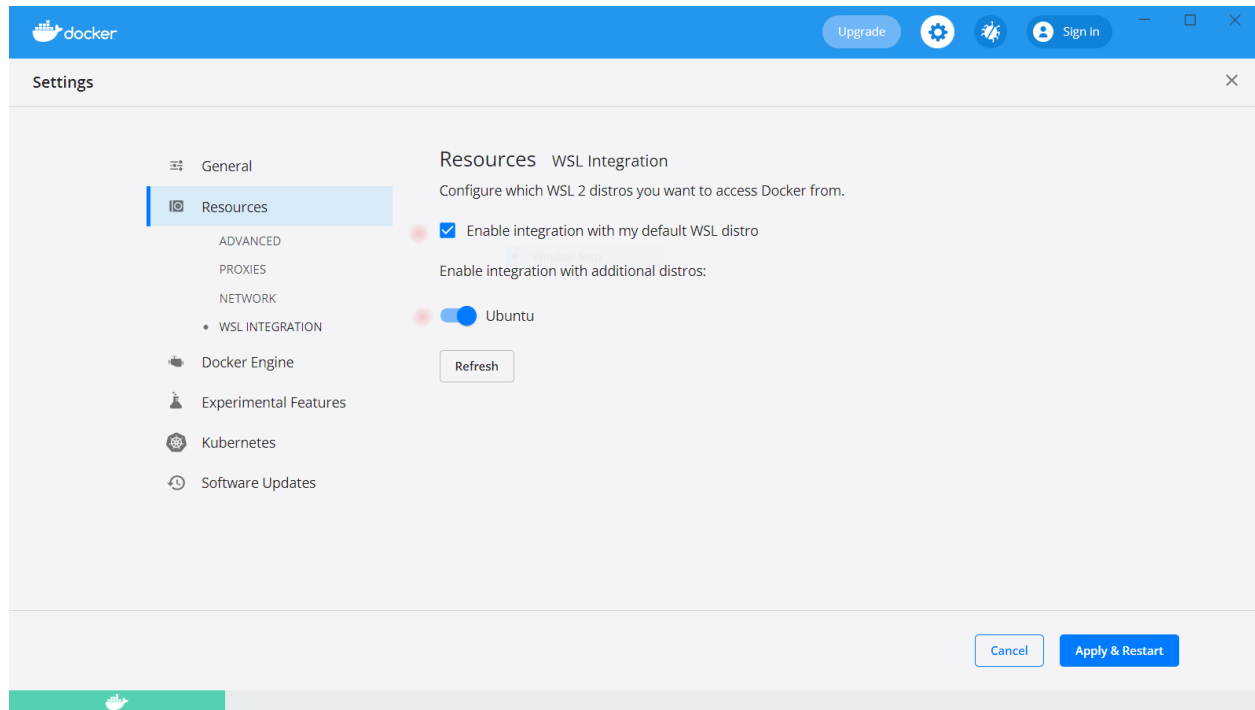
When the installation is complete, it will prompt you to log out of windows. Press the Close and log out button in the Docker installer.

After logging back in, Docker will have you accept its terms of use. Click the I accept the terms box and hit Accept.



Once the Docker starting message closes, click the Skip tutorial link.

Next we will enable WSL2 support in docker. Click the gear icon on the top right of the Docker window to bring up settings.



Click Resources from the left menu and then WSL INTEGRATION

Click the Enable integration with my default WSL distro.

Under the Enable integration with additional distros: , enable Ubuntu.

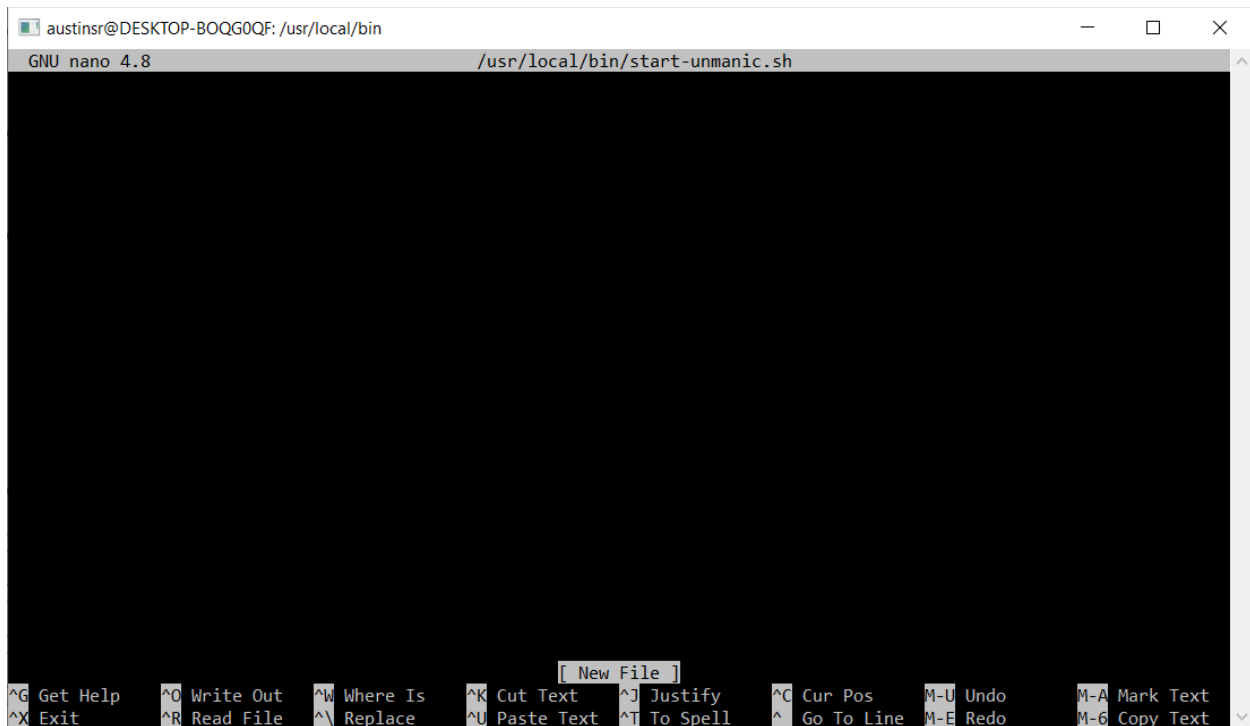
Click Apply & Restart.

Next we will install the Unmanic docker container.

Open the Ubuntu bash window and type: "sudo docker pull josh5/unmanic" without the quotes.

Finally, we will go to the Unmanic documentation page to get the shell script that will pass all the required flags to Unmanic. <https://docs.unmanic.app/docs/installation/docker>

In the Ubuntu bash window, type: "sudo nano -w /usr/local/bin/start-unmanic.sh" without the quotes. This will open the text editor nano.



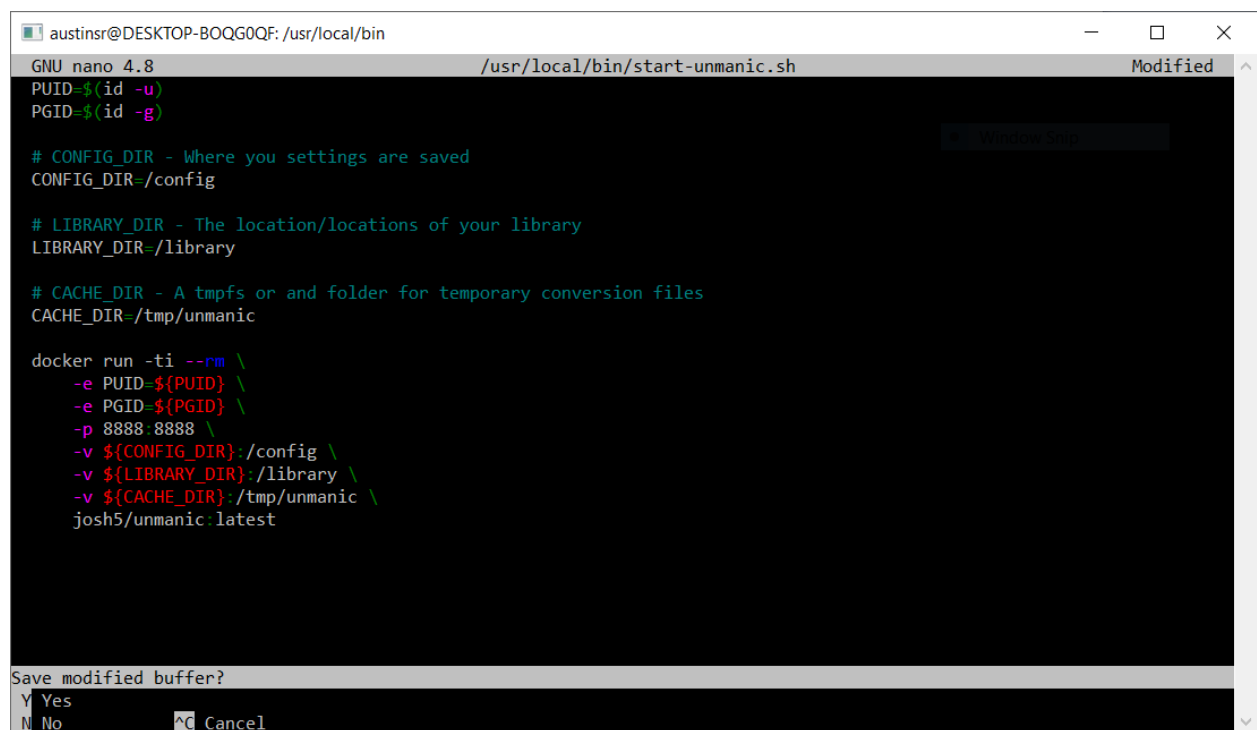
```
austinsr@DESKTOP-BOQG0QF: /usr/local/bin
GNU nano 4.8 /usr/local/bin/start-unmanic.sh

[ New File ]

^G Get Help  ^O Write Out  ^W Where Is  ^K Cut Text  ^J Justify    ^C Cur Pos   M-U Undo     M-A Mark Text
^X Exit      ^R Read File  ^_ Replace   ^U Paste Text ^T To Spell   ^_ Go To Line M-E Redo     M-6 Copy Text
```

Once the nano window is open, copy the block of shellscript from the unmanic documentation link above. Switch back to your Ubuntu bash window with nano open and right click anywhere on the screen. This will paste in the shellscript copied from the documentation.

Next, we will save and exit from nano. Press Ctrl x . You will see a message "Save modified buffer?" at the bottom left of the window. Type Y and press enter to save and exit.



```
austinsr@DESKTOP-BOQG0QF: /usr/local/bin
GNU nano 4.8 /usr/local/bin/start-unmanic.sh Modified

PUID=$(id -u)
PGID=$(id -g)

# CONFIG_DIR - Where you settings are saved
CONFIG_DIR=/config

# LIBRARY_DIR - The location/locations of your library
LIBRARY_DIR=/library

# CACHE_DIR - A tmpfs or and folder for temporary conversion files
CACHE_DIR=/tmp/unmanic

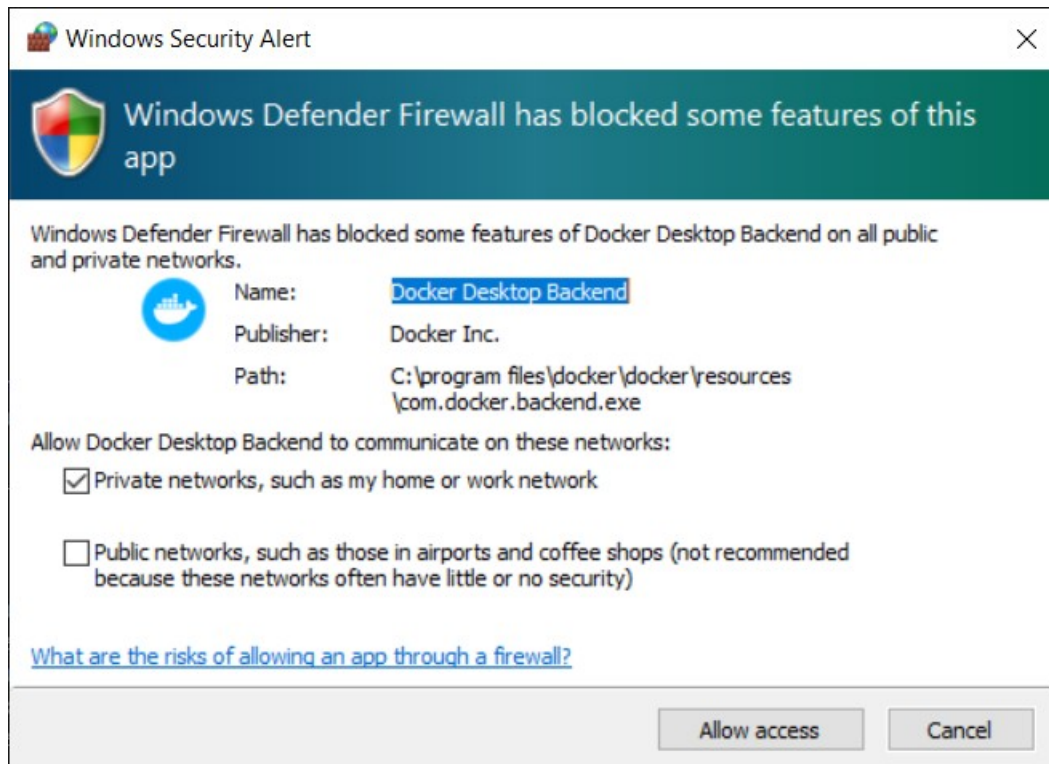
docker run -ti --rm \
-e PUID=${PUID} \
-e PGID=${PGID} \
-p 8888:8888 \
-v ${CONFIG_DIR}:/config \
-v ${LIBRARY_DIR}:/library \
-v ${CACHE_DIR}:/tmp/unmanic \
josh5/unmanic:latest

Save modified buffer?
Y Yes
N No      ^C Cancel
```

Next, we will set the shell script to be executable. In the Ubuntu bash window, type: "sudo chmod 755 /usr/local/bin/start-unmanic.sh" without the quotes.

Finally, in the Ubuntu bash window, type: "sudo start-unmanic.sh"

If you are running the Windows firewall, you may see a security dialog. Click the Allow access button.

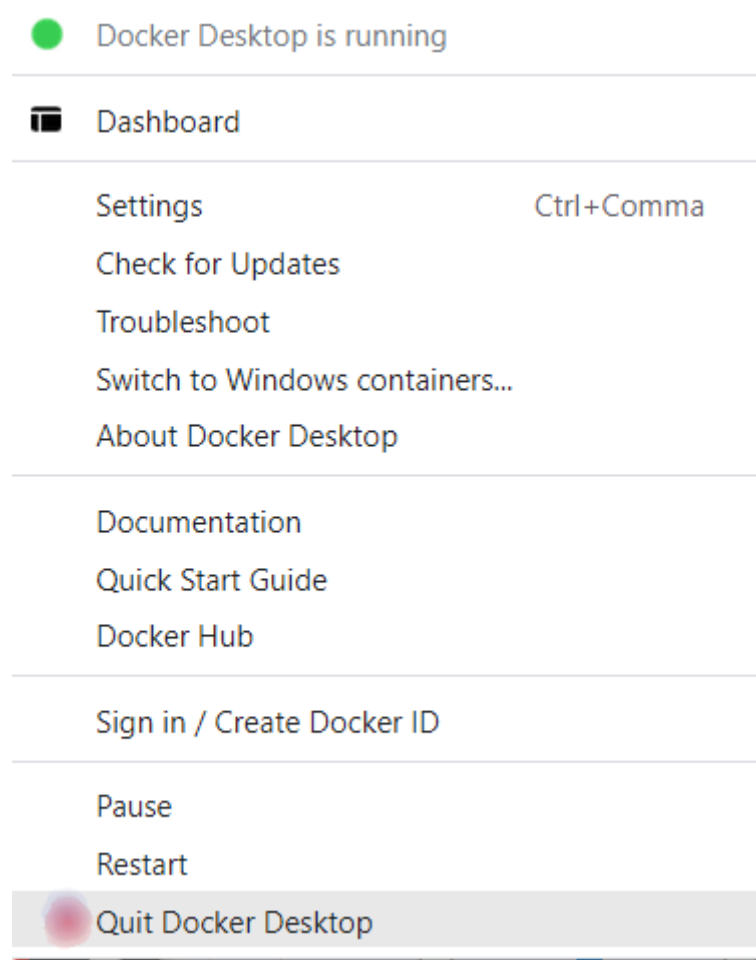


Unmanic is now running in Docker. To access Unmanic, open a web browser window to <http://localhost:8888>

Troubleshooting common issues

Problems can arise if the network connection to the computer is interrupted. If Unmanic can no longer see your library, first check that the network drive is still connected to the file server.

If the network drive is connected, and Unmanic still cannot see the library, quit Docker by right clicking the Docker icon in the system tray and click Quit Docker Desktop. Docker must be quit completely, the Restart option will not resolve the issue.



Restart Docker Desktop and restart Unmanic from the Ubuntu bash window.