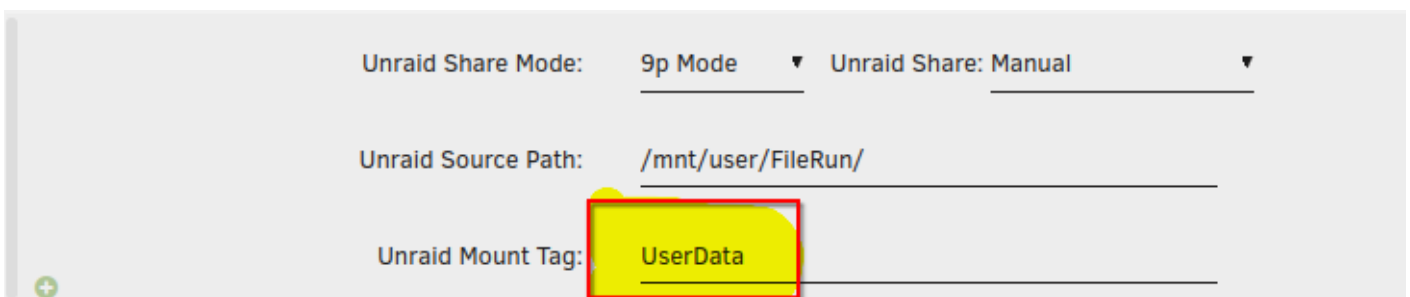


Mount Shares in VMs using VirtIO

This guide will outline the steps necessary to mount an Unraid Share inside a VM.

On the VM inside UnRaid:

Set the path to your share, and make note of the Unraid Mount Tag (this can be whatever you like)



The screenshot shows the Unraid VM configuration interface. It has three main fields: 'Unraid Share Mode' set to '9p Mode', 'Unraid Share' set to 'Manual', 'Unraid Source Path' set to '/mnt/user/FileRun/', and 'Unraid Mount Tag' set to 'UserData'. The 'Unraid Mount Tag' field is highlighted with a red box.

Ubuntu:

1. In the "Unraid Share" section, select the unraid folder that you want to make mountable. This can be an individual share or a parent directory of the share for multiple. e.g. `/mnt/user``
2. In the "Unraid Mount tag" section, enter a tag name, this can be anything and will be passed to the VM. e.g. ``myMountTag``
3. Complete VM setup, power on and install your VM OS or normal. The following steps require root/sudo user.
4. Make a backup copy of fstab in case you mess up your configuration ``sudo cp /etc/fstab /etc/fstab.orig``
5. Create a target mount directory where you want to mount your share e.g. ``sudo mkdir /path/to/myMountedDir``
6. Edit ``/etc/fstab`` config by adding the following line to the end of the file, (change tag & path to your needs)
 1. `myMountTag /path/to/myMountedDir 9p trans=virtio,version=9p2000.L,_netdev,rw 0 0`

7. Save fstab file and run `sudo mount -a` to check your mount works (there should be no output for on success)
8. You should now have a mounted share in your VM

Futher detail

For anyone new to unraid, looking for an explanation as to what the fstab values are, here is an explanation

```
<device>: myMountTag
<mount point>: /path/to/myMountedDir
<file system type>: 9P (The protocol that QEMU uses for a VirtFS)
<options>:
    trans=virtio,version=9p2000.L (our transport for this share will be over virtio, and we specify the 9P version (20
    _netdev (tells the system that this mount relies on the network, and to delay the mount until a network is enable
    rw (mount as read/write)
<dump>: 0 (disables backup via the dump command)
<pass num>: 0 (disable any error checking)
```

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