



# Auto Mount Drive in Ubuntu Server 22.04 at Startup



2 min read

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When we connect an external drive, by default, Linux OS (or Ubuntu Server) doesn't automount the external drive at startup. We can mount it very easily using the `mount` command but we want to enable automount feature on startup. So, we don't need to mount the drive again after restarting or logging into Linux OS. Here are steps to auto mount drive at startup -

## 1. Create the Mount Point

First, we need to create a directory which will be our mount point for a drive

```
sudo mkdir /media/USB1
```

## 2. Get Drive UUID and Type

Now, we need to get the drive UUID and File System Type. This information we need in the next step. So, to find the drive's UUID and File System Type, run the following command -

```
lsblk -o NAME,FSTYPE,UUID,MOUNTPOINTS
```

This will return something like what we have below. Here you can see, `sd2` is type `exfat` and doesn't have any mount point. So, we need to mount this `sda2` on `/media/USB1`. There UUID for this is `632D-7154` and File System Type is `exfat`. So, Copy the UUID and File System Type from the disk.

NAME	FSTYPE	UUID	MOUNTPOINTS
sda			
└─sda1	vfat	67E3-17ED	
└─sda2	exfat	632D-7154	
sdb			
└─sdb1	vfat	D7E2-9D99	/boot/firmware
└─sdb2	ext4	b09bb4c8-de4d-4ce6-a93f-30c4c9241a58	/

## 3. Edit fstab

To edit the `fstab` file run the following command (note I'm using `nano` here but use whatever editor you prefer)

```
sudo nano /etc/fstab
```

You'll see something like this -

<code>LABEL=writable</code>	<code>/</code>	<code>ext4</code>	<code>discard,errors=remount-ro</code>	<code>0</code>	<code>1</code>
<code>LABEL=system-boot</code>	<code>/boot/firmware</code>	<code>vfat</code>	<code>defaults</code>	<code>0</code>	<code>1</code>

Here we need to add one more entry for our drive. The format for adding a new entry is something like this -

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```
<file system> <mount point> <type> <options> <dump> <pass>
UUID=<UUID> <PATH_TO_MOUNT> <DRIVE_TYPE> defaults 0 0
```

So, here is the entry for our drive

```
# USB1
UUID=632D-7154 /media/USB1 exfat defaults 0 0
```

## 4. Test fstab

Now we'll test the `fstab` before rebooting because an invalid `fstab` can render a disk unbootable. So, for the test, run the following command and check if there is any error or warnings. Do not reboot your Ubuntu Server / Linux OS without resolving those errors or warnings (if any).

```
sudo findmnt --verify
```

## 5. Restart Ubuntu Server / Linux OS

If the last step doesn't show any error or warnings then restart Ubuntu Server / Linux OS using the following command -

```
sudo reboot
```

## 6. Test the Mount Point

Run the same command which we run in Step 2 to check if our drive is mounted to its mount point.

```
lsblk -o NAME,FSTYPE,UUID,MOUNTPOINTS
```

NAME	FSTYPE	UUID	MOUNTPOINTS
sda			
└─sda1	vfat	67E3-17ED	
└─sda2	exfat	632D-7154	/media/USB1
sdb			
└─sdb1	vfat	D7E2-9D99	/boot/firmware
└─sdb2	ext4	b09bb4c8-de4d-4ce6-a93f-30c4c9241a58	/

Here you can see, `sda2` is now mounted to `/media/USB1` .

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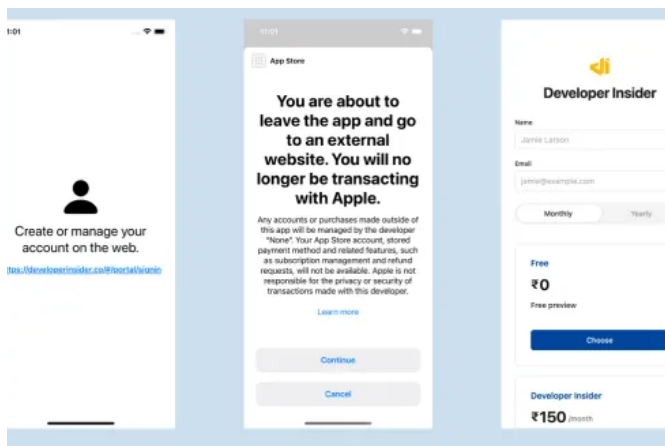


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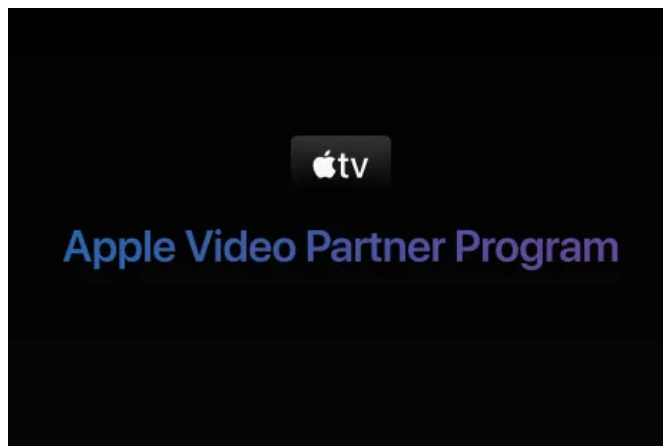
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