
## Lab 8.1: `udev`

1. Create and implement a rule on your system that will create a symlink called `myusb` when a **USB** device is plugged in.
2. Plug in a **USB** device to your system. It can be a pendrive, mouse, webcam, etc.

   Note: If you are running a virtual machine under a hypervisor, you will have to make sure the **USB** device is seen by the guest, which usually is just a mouse click which also disconnects it from the host.
3. Get a listing of the /dev directory and see if your symlink was created.
4. Remove the **USB** device. (If it is a drive you should always **umount** it first for safety.)
5. See if your symbolic link still exists in /dev.

## Solution 8.1

1. Create a file named /etc/udev/rules.d/75-myusb.rules and have it include just one line of content:

   ```
   $ cat /etc/udev/rules.d/75-myusb.rules

   SUBSYSTEM=="usb", SYMLINK+="myusb"
   ```

   Do not use the deprecated key value `BUS` in place of `SUBSYSTEM`, as recent versions of **udev** have removed it.

   Note the name of this file really does not matter. If there was an `ACTION` component to the rule the system would execute it; look at other rules for examples.

2. Plug in a device.

3. `$ ls -lF /dev | grep myusb`

4. If the device has been mounted:

   ```
   $ umount /media/whatever
   ```

   where /media/whatever is the mount point. Safely remove the device.

5. `$ ls -lF /dev | grep myusb`