Octoprint Multiple Instance Install

https://www.youtube.com/watch?v=dLDRzggyhKs

Update 1/2/20:
Link to script I use in the video. This will do all the work for you.
sudo wget -O multi_octo.sh https://www.dropbox.com/s/g9l5wmbjg1r8noi/multi_octo.sh && sudo chmod 755 multi_octo.sh && sudo ./multi_octo.sh && echo

Raspberry Pi I use:
http://www.microcenter.com/product/463674/Raspberry_Pi_3_Model_B_Basic_Kit

Octoprint software:

http://octoprint.org/download/

Win32 disk image software:

https://sourceforge.net/projects/win32diskimager/

Putty software:

http://www.putty.org/

sudo su

You can run this whole block at the same time:

```
cd /etc/init.d
sed s/octoprint/octoprint2/ < octoprint | sed s/OctoPrint/OctoPrint2/ | sed
s/bin\\/octoprint2/bin\\/octoprint/ > octoprint2
chmod 755 octoprint2
sed s/octoprint/octoprint3/ < octoprint | sed s/OctoPrint/OctoPrint3/ | sed
s/bin\\/octoprint3/bin\\/octoprint/ > octoprint3
chmod 755 octoprint3
sed s/octoprint/octoprint4/ < octoprint | sed s/OctoPrint/OctoPrint4/ | sed
s/bin\\/octoprint4/bin\\/octoprint/ > octoprint4
chmod 755 octoprint4
```

```
cd /etc/default
sed s/PORT=5000/PORT=5001/ < octoprint | sed s/HOST=127.0.0.1/HOST=0.0.0.0/ | sed s/\
$PORT/\$PORT\ --basedir\ \/home\/pi\/.octoprint2/ > octoprint2
sed s/PORT=5000/PORT=5002/ < octoprint | sed s/HOST=127.0.0.1/HOST=0.0.0.0/ | sed s/\
$PORT/\$PORT\ --basedir\ \/home\/pi\/.octoprint3/ > octoprint3
sed s/PORT=5000/PORT=5003/ < octoprint | sed s/HOST=127.0.0.1/HOST=0.0.0.0/ | sed s/\
$PORT/\$PORT\ --basedir\ \/home\/pi\/.octoprint4/ > octoprint4
```

```
sudo update-rc.d octoprint2 defaults 99
sudo update-rc.d octoprint3 defaults 99
sudo update-rc.d octoprint4 defaults 99
```

Now reboot:
sudo reboot now

The four instance addresses will be:
your-ip
your-ip:5001
your-ip:5002
your-ip:5003

Check the messages log:

cd /var/log
sudo cat messages

Edit this file and add entries with the numbers found in the log file for all your printers:

sudo nano /etc/udev/rules.d/99-usb.rules

Here is a default example:

```
SUBSYSTEM=="tty", ATTRS{idVendor}=="", ATTRS{idProduct}=="", ATTRS{devpath}=="",
ATTRS{serial}=="", SYMLINK+=""
SUBSYSTEM=="tty", ATTRS{idVendor}=="", ATTRS{idProduct}=="", ATTRS{devpath}=="",
ATTRS{serial}=="", SYMLINK+=""
SUBSYSTEM=="tty", ATTRS{idVendor}=="", ATTRS{idProduct}=="", ATTRS{devpath}=="",
ATTRS{serial}=="", SYMLINK+=""
SUBSYSTEM=="tty", ATTRS{idVendor}=="", ATTRS{idProduct}=="", ATTRS{devpath}=="",
ATTRS{serial}=="", SYMLINK+=""
```

Here is a filled in example:
SUBSYSTEM=="tty", ATTRS{idVendor}=="1a86", ATTRS{idProduct}=="7523", SYMLINK+="ANETA2"

SUBSYSTEM=="tty", ATTRS{idVendor}=="2c99", ATTRS{idProduct}=="0002", SYMLINK+="PRUSA"
SUBSYSTEM=="tty", ATTRS{idVendor}=="2974", ATTRS{idProduct}=="0503", SYMLINK+="MPSM"

Reboot again:
sudo reboot now

Check your USB symlinks with this:

ls -l /dev