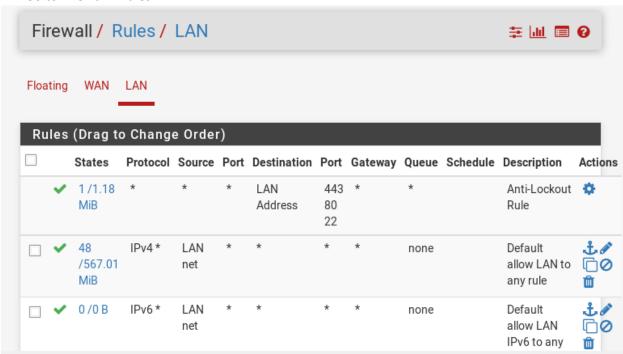
## **Section 1. Blocking HTTP**

1. Mark down your ip addresses

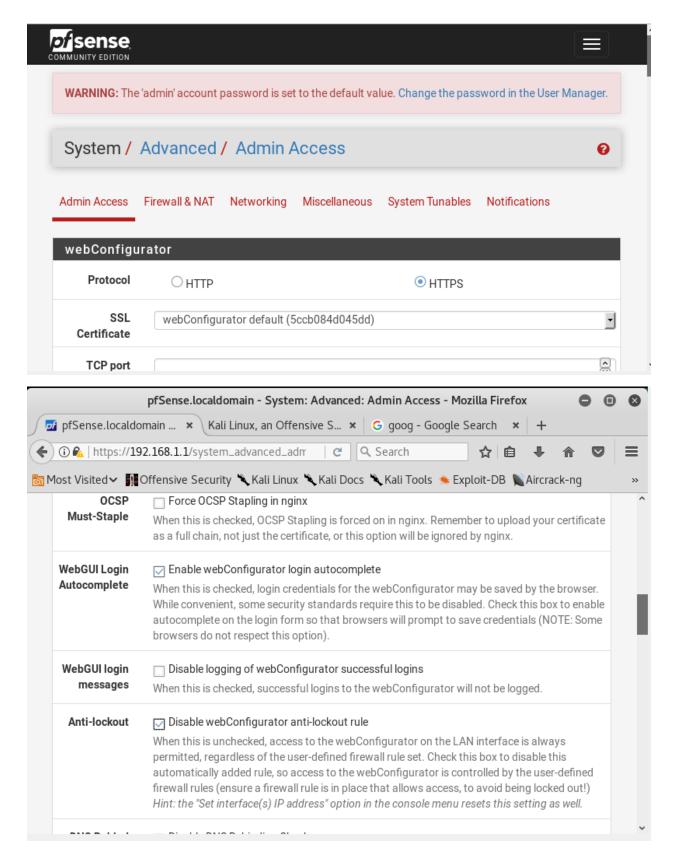
Ubuntu1: \_\_\_\_\_ (run ifconfig and look at eth0 inet)

Pfsense LAN ip:

- 1. On your ubuntu machine type in the pfsense LAN ip
- 2. Go to Firewall Rules LAN

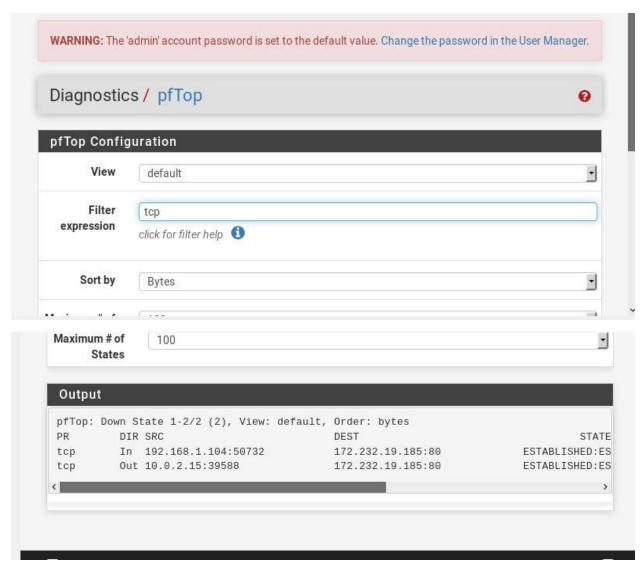


- 3. Notice the Anti-Lockout Rule that is allowing all web traffic, due to order of precedence we have to remove this rule
- 4. Go to system advanced admin access and scroll down until you see anti-lockout. Check the box. Scroll all the way down and hit save



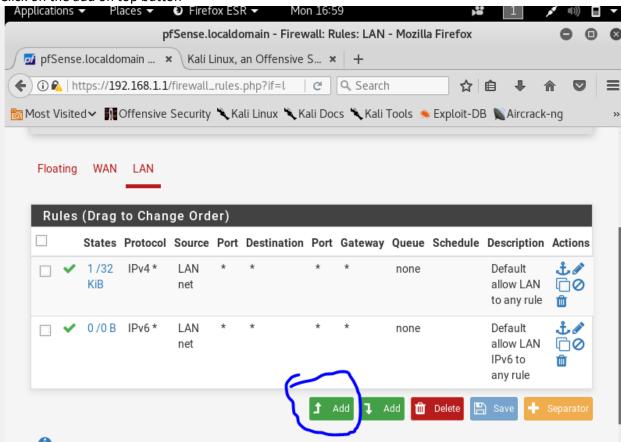
7. Double check to ensure that the anti lockout rule is gone (firewall – rules – lan)

- 8. On a separate tab go to Tyler's website
- 9. Go to diagnostics -pftop



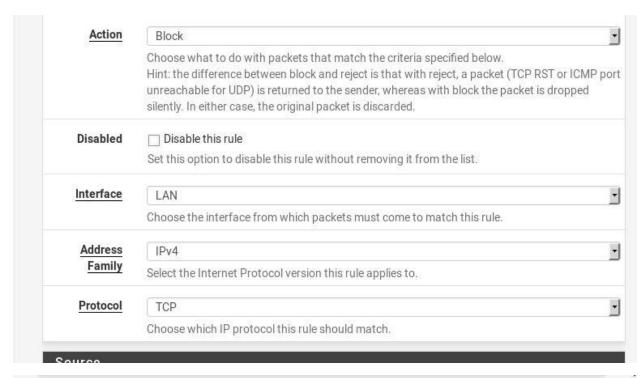
10. Find your connection to Tyler's website, this is what we will be blocking

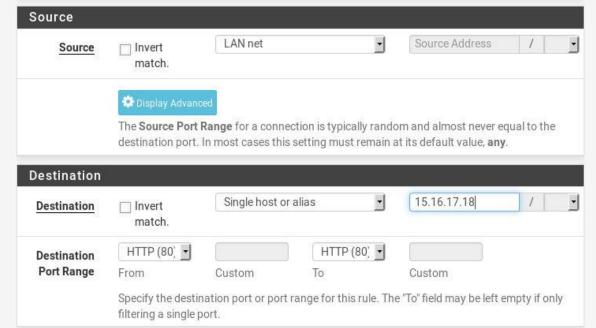
Click on the add on top button



- 9. Change source to Lan Net
- 10. Change destination to the ip address of the web server
- 12. For destination port block 80 for Http

Your rule should look like this:

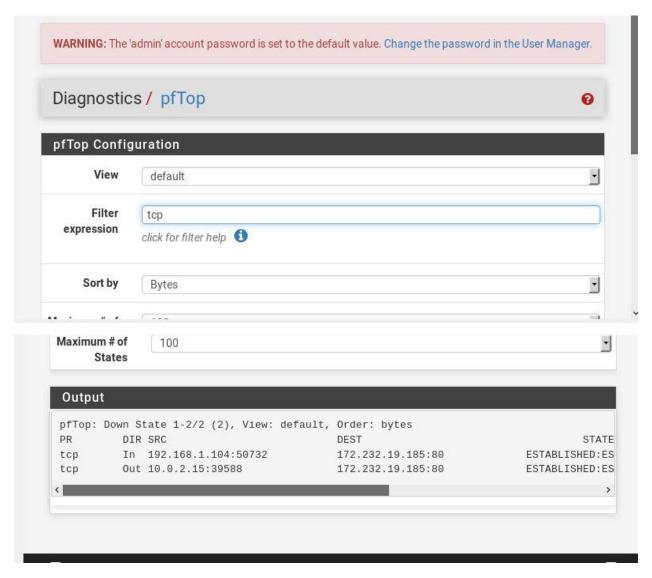




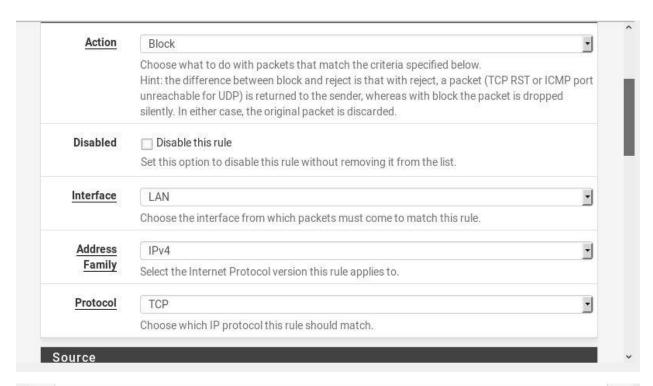
13. Click apply changes

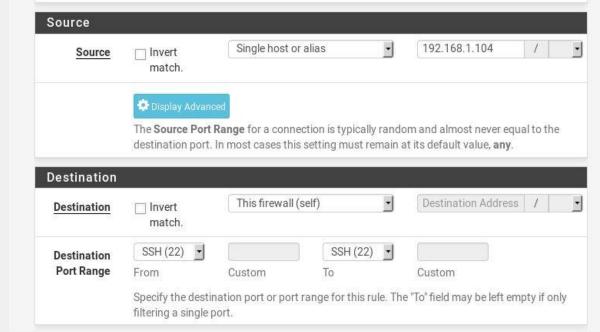
## Part 2: SSH

- 1. ssh into the pfsense box using ssh -p 22 root@192.168.1.1
- 2. With the connection established, go into diagnostics pftop to see network states



- 3. Look for your ssh connection. This is the connection we will block
- 4. Go back to the firewall LAN rule page (rules LAN)
- 5. Change source to your ubuntu ip, change destination to this firewall, change destination port to 22. Should look like this:

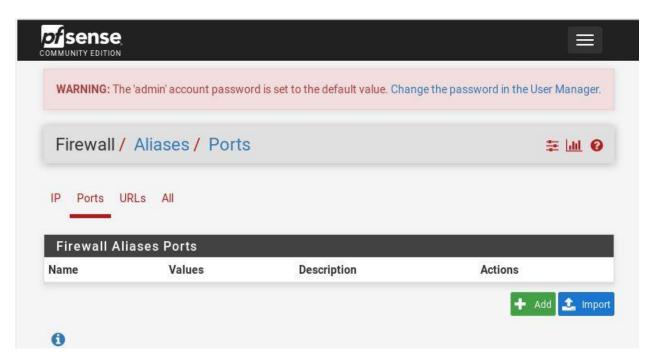




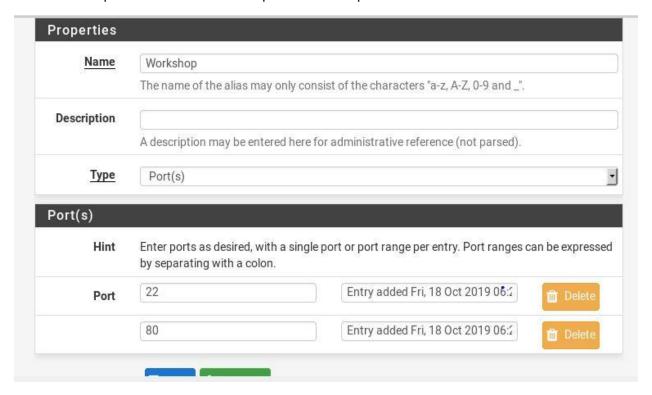
4. Try ssh now

## Part 3: If we have time, Aliases!

1. Go to Firewall - Alias - ports

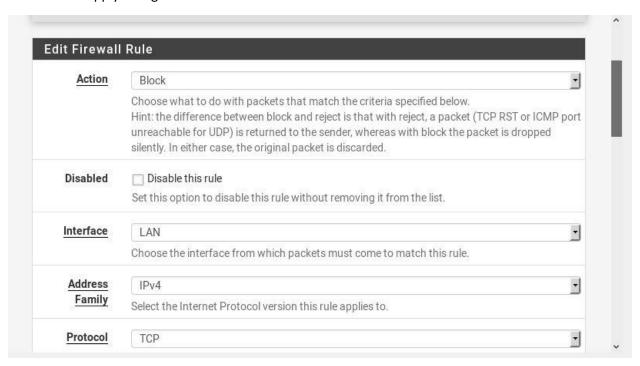


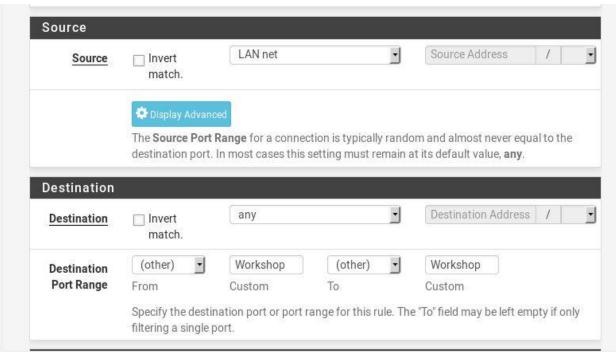
- 2. Click the Add button
- 3. Name it whatever you want (no spaces)
- 4. Add in port 22 and then click add port and add in port 80



- 5. Click apply changes
- 6. Go to firewall rules LAN
- 7. Click green add to the top button

- 8. Change action to block
- 9. Change source to Lan net
- 10. Change Destination to any
- 11. Type in your alias name under the custom field of destination port range
- 12. Click apply changes





- 13. Now click on the disable icon on the two individual rules you created previously
- 14. Try sshing and connecting to tyler's website now