

## \*110624\* Connecting to Pi-hole's admin interface

SP: Moving forward, we'll continue troubleshooting an issue involved with accessing pi-hole's web interface from our local machine!

[illegible]

```
[ubuntu@utilityserver:~$ sudo ufw status verbose
Status: inactive
```

```
ubuntu@utilityserver:~$ curl ifconfig.me
```

## Access Pi-hole's Web Interface:

- After installation, you'll be given a URL (<http://admin>) to access the Pi-hole dashboard from your browser.
- Unable to access interface, so let's troubleshoot: (Refer to 11/05 for first two pictures)
- Ran nmap command (Pictured above)
- Confirmed port 80 is open.
- Resource used: nmap commands ->
- <https://www.recordedfuture.com/threat-intelligence-101/tools-and-techniques/nmap-commands>
- Ran `sudo systemctl status pihole-FTL` + `sudo systemctl status lighttpd`
- Verified both are active (2nd picture above)
- FasterThanLight (FTL) = engine that handles DNS queries
- Pi-hole is active.
- Ran `sudo ss -t -l -s :80` (Pictured above)
- Checks to see if the lighttpd web server is actively listening on port 80
- It's listening, so we know this isn't the issue
- Ran `sudo ufw status verbose`
- Check the status of our uncomplicated firewall (UFW), which is a program for managing a netfilter firewall.
- As we can see above (2nd image), the UFW is inactive :(
- Ran `curl ifconfig.me`
- to get our public ip address, so we can retry accessing the interface.
- 'This site can't be reach :(
- Ran `curl 127.0.0.1` (Loopback address)
- Checked to see if the instance is serving pages internally and there was no response. I was expecting it to serve me the admin portals html page.
- Ran `sudo systemctl restart lighttpd`
- Our webpage isn't being served locally or within the instance, so I decided to restart the web server.
- Ran `sudo tail -n 50 /var/log/lighttpd/error.log` (Accounting/Auditing)
- Checked for error messages involving port 80 to give us info on why our local host wont resolve the admin page.
- 2024-11-04 15:48:59: (server.c.xxxx) server started (lighttpd/1.4.63)
- 2024-11-04 15:50:07: (server.c.xxxx) server stopped by UID = 0 PID = 1
- As we can see above, there were no issues indicated involving tcp/80.
- Reboot instance
- Reboot through oracle dashboard
- Afterwards, I tried to access admin portal, but to no avail
- Disabled local firewall
- Disabled firewall in mac settings
- Settings -> Network -> Firewall
- Unable to connect to portal with firewall disabled

SP: After trying a variety of methods to troubleshoot this issue, we are still unable to connect to the Pi-hole dashboard on our local machine. Moving forward, we'll continue troubleshooting and are confident we'll eventually succeed 😊.