Managing pi-hole DNS Server

Anything to do with pi-hole DNS

- DNSMASQ_WARN reducing DNS packet size
- Change Password for Web interface

DNSMASQ_WARN reducing DNS packet size

Objective: Get rid of the warnings in the Admin Web Interface "reducing DNS packet size for nameserver OpenDNS Resolver to 1280"

STEP 1:

You can get rid of the warning by adding a config file like `/etc/dnsmasq.d/99-edns.conf` and using an editor like nano or vi, add the following line below:

```
edns-packet-max=1280
```

STEP 2:

Then run `pihole restartdns` and your Pi-hole will not even try with larger packet sizes (our default is 4096).

```
pihole restartdns
```

> More Information on the DNS Server accepted Maximum Packet sizes below:

> Because this doesn't seem to be documented anywhere properly, I probed all the DNS servers currently offered by Pi-hole to find out their maximum DNS packet size:

Name	Address	Maximum packet size
Google (ECS)	`8.8.8.8`	1400
	`8.8.4.4`	1400
	`2001:4860:4860:0:0:0:0:8888`	1400

Name	Address	Maximum packet size
	2001:4860:4860:0:0:0:0:8844	1400
OpenDNS (ECS)	208.67.222.222	1410
	208.67.220.220	1410
	2620:0:ccc::2	1410
	2620:0:ccd::2	1410
Level3	4.2.2.1	8192
	4.2.2.2	8192
Comodo	8.26.56.26	4096
	8.20.247.20	4096
DNS.WATCH	84.200.69.80	4096
	84.200.70.40	4096
	2001:1608:10:25:0:0:1c04:b12f	4096
	2001:1608:10:25:0:0:9249:d69b	4096
Quad9 (filtered, DNSSEC)	9.9.9.9	1232
	149.112.112.112	1232
	2620:fe::fe	1232
	2620:fe::9	1232
Quad9 (unfiltered, no DNSSEC)	9.9.9.10	1232
	149.112.112.10	1232
	2620:fe::10	1232
	2620:fe::fe:10	1232
Quad9 (filtered + ECS)	9.9.9.11	512
	149.112.112.11	512
	2620:fe::11	1232
Cloudflare	1.1.1.1	1452
	1.0.0.1	1452
	2606:4700:4700::1111	1452
	2606:4700:4700::1001	1452

Change Password for Web interface

Objective: Change the login password for the Web Interface for piHole.

STEP 1: You can change the password by logging in via console or ssh to your pihole server and running the following command

```
sudo pihole -a -p
```