

Choptank Electric Cooperative Summer Internship

By: Christopher Ricks



**Choptank Electric
Cooperative, Inc.**

A TruEnergy Energy
Cooperative

About Choptank



Choptank Electric Cooperative

A Touchstone Energy[®]
Cooperative



Job Location: Salisbury

Supervisor: Deni Dorsey

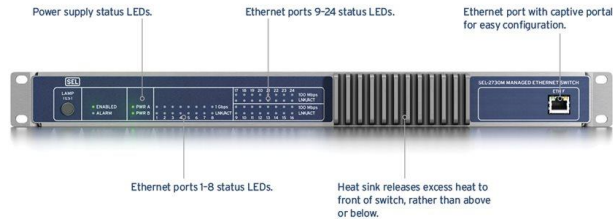
- Choptank Electric is a not-for-profit, member owned, electric distribution Co-op serving approximately 53,000 residential, commercial, and industrial members in all nine counties on Maryland's Eastern Shore.
- The company is owned by it's members , who each have a vote in deciding which co-op members will serve on the board of directors.

Work Environment

- Passionate & Friendly Workers
- Helpful Supervisor
- Very Small Office
- Breakfast and/or Lunch Every Month

Responsibilities

- Developed data acquisition scripts to parse data for the Operations Technology knowledge base
- Developed a system to control email reporting for switch temperature alarms
- Created a web page to display a nightly network status



Nmap Command

```
root@0hacker:~# nmap -sn 192.168.56.0/24

Starting Nmap 6.46 ( http://nmap.org ) at 2014-06-19 07:38 IST
Nmap scan report for 192.168.56.100
Host is up (0.00058s latency).
MAC Address: 08:00:27:7A:CC:DB (Cadmus Computer Systems)
Nmap scan report for 192.168.56.103
Host is up (0.0017s latency).
MAC Address: 08:00:27:FC:15:EA (Cadmus Computer Systems)
Nmap scan report for 192.168.56.110
Host is up (0.00023s latency).
MAC Address: 08:00:27:00:24:06 (Cadmus Computer Systems)
Nmap scan report for 192.168.56.115
Host is up (0.011s latency).
MAC Address: 08:00:27:A0:16:85 (Cadmus Computer Systems)
Nmap scan report for 192.168.56.113
Host is up.
Nmap done: 256 IP addresses (5 hosts up) scanned in 28.97 seconds
root@0hacker:~# █
```

Challenges

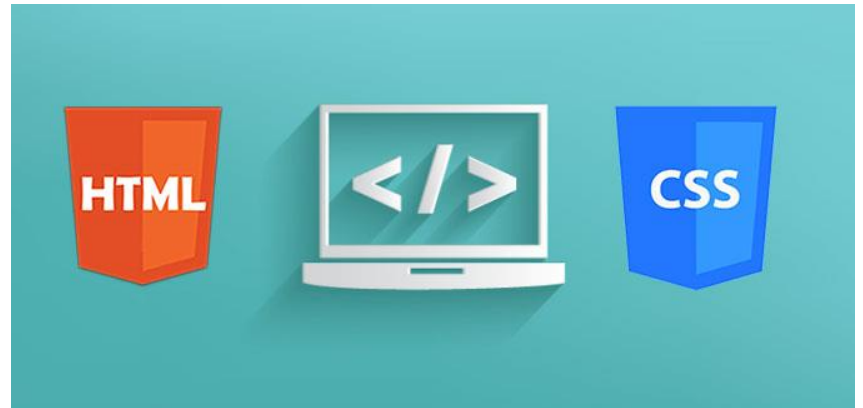
- Writing in-depth bash scripts
- Acclimating to working in Linux entirely
- Learning an extensive amount of networking protocols and terminology
- Working by myself most of the time

Experience

- COSC 320 - Began to work in Linux more & improved my logical thinking
- COSC 425 & 426 - Introduced me to HTML & CSS
- COSC 386 - Working with SQL
- COSC 370 - Introduced me to basic protocols such as TCP & UDP

What did I learn?

- Computer Networks
- Bash
- SQL
- HTML, CSS, & Bootstrap



Questions?