

A Survey of Web Servers in Trinity College Dublin

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Port Scanning/Banner Grabbing

ZMap is a Port Scanner that can be used to check for devices on a specific port, typical used for internet wide surveys.

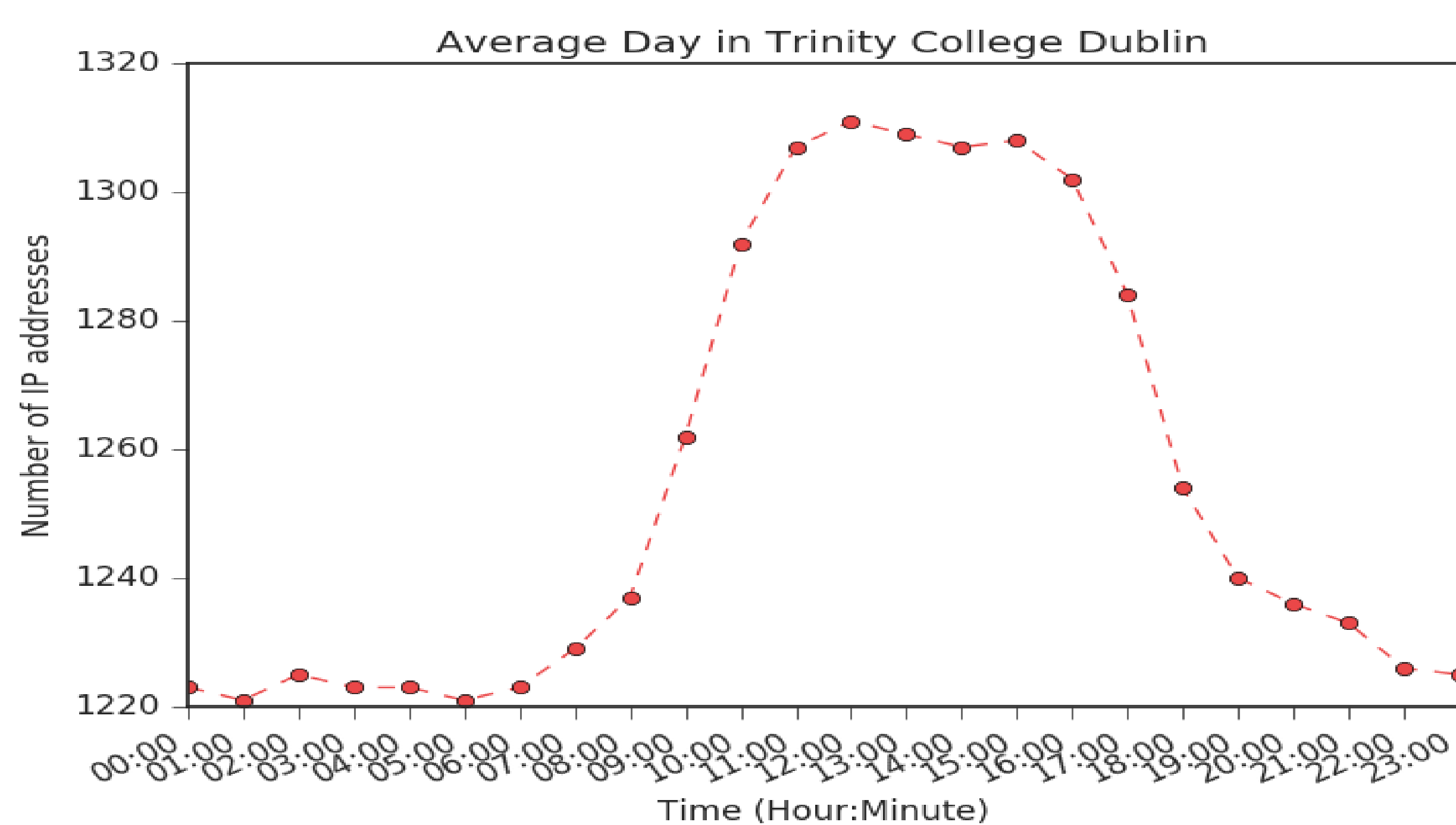


ZGrab is a Banner Grabber that can be used to gain information about a device on a network.

Aim of Project

The aim of this project is to deploy a local instance of ZMap and ZGrab within Trinity College Dublin, running scans on both port 80 and port 443 in an effort to build a picture of what the current state of Web Servers within the college campus looks like.

Average Day

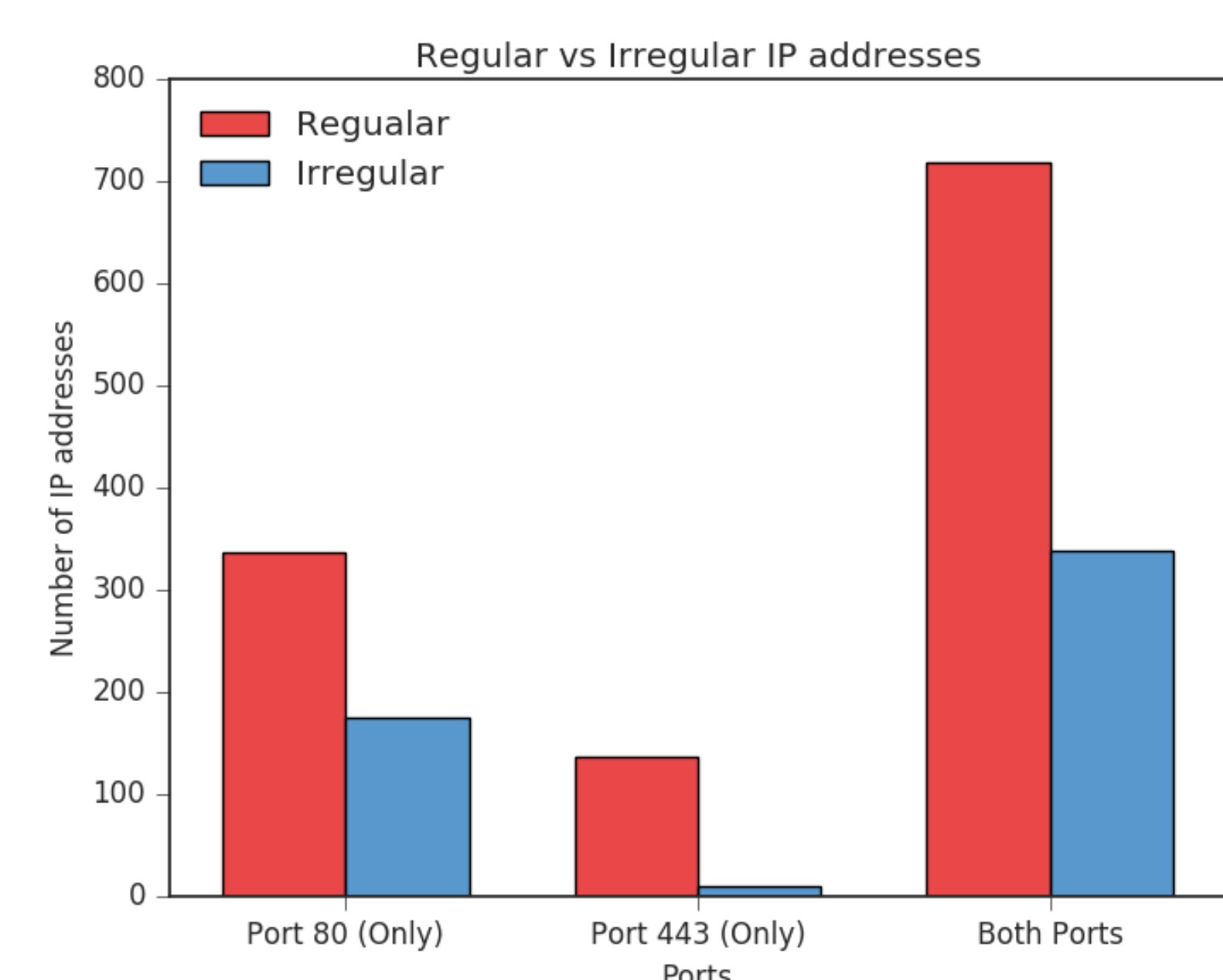


827 observation Periods in total

IPs consider regular if seen 90% of the time:

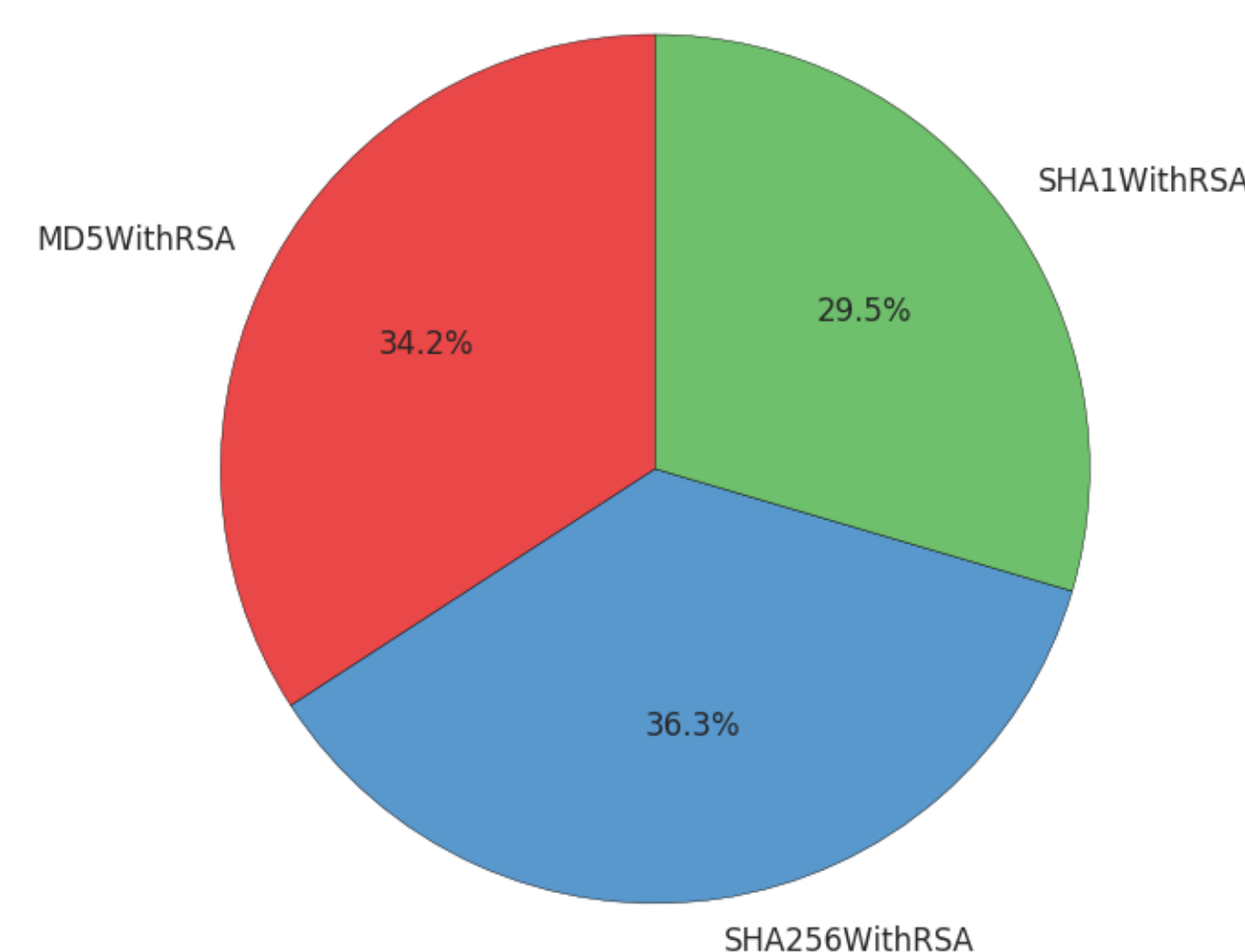
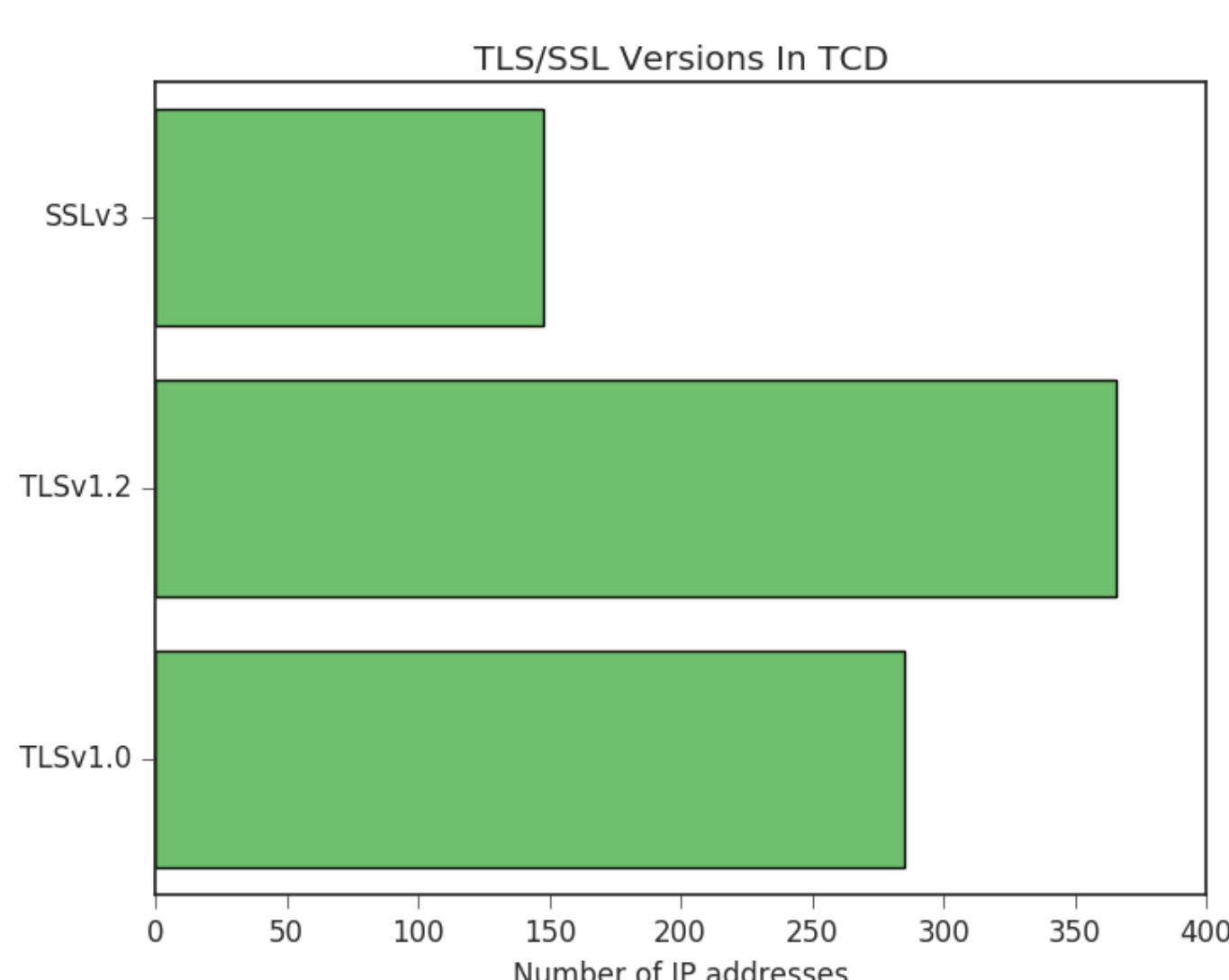
744 from 827

Regular and Irregular



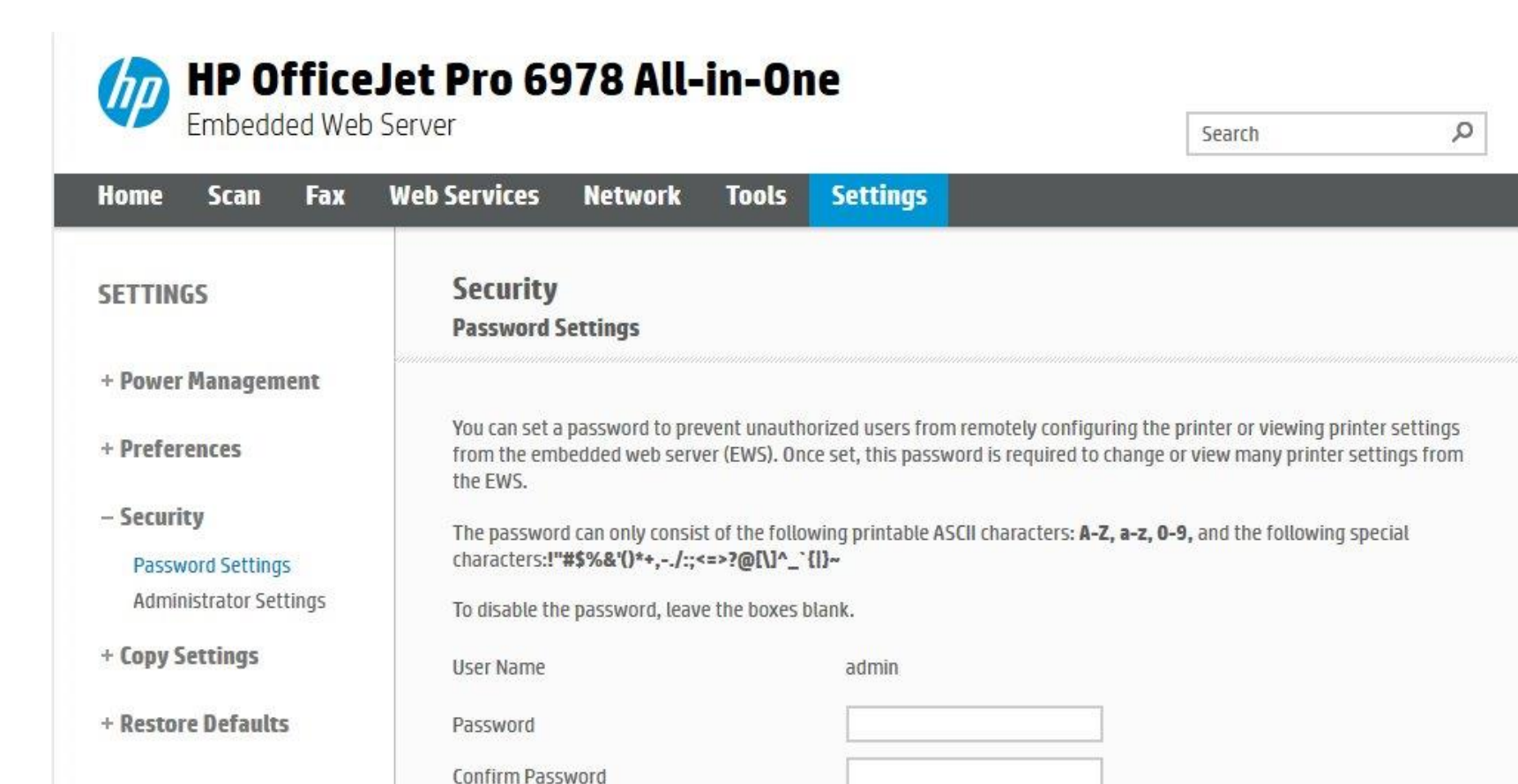
Irregular IPs seen	= 524	Regular IPs seen	= 1190
Port 80 only	= 175	Port 80 only	= 336
Port 443 only	= 10	Port 443 only	= 136
Both	= 339	Both	= 718

ZGrab Analysis



These are only a few of the fields that I was investigating when conducting the ZGrab scans in order to see the state of Web Servers in the college.

Who are they?



I was also inspecting the root pages of the IP addresses in order to see who and what they are, some of the IP addresses found were printers as well as conferencing devices in the college.

References

- <https://zmap.io>
- <https://github.com/zmap/zgrab>