

Project Report
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Mini-Scapy Project
Stage 3

Stage 3 out put:

Run with Sony-IP-Camera:

1st run:

1. Name of IoT selected: **Sony_IP_Camera**
2. Responsive devices: **19 , 42.22222222222222 %**
3. IP-ID in ICMP pkts (given devices with response):
Random: 19 , 100.0 % , Zero: 0 , 0.0 % , Incremental: 0 , 0.0 %.
4. Port 80 open: **16 , 35.55555555555556 %**
5. IP-ID in TCP pkts (given devices with port 80 open):
Random: 2 , 12.5 % , Zero: 14 , 87.5 % , Incremental: 0 , 0.0 %.
6. Devices that deploy SYN cookie(given devices with port 80 open): **6 , 37.5 %.**
7. Devices operation system(given devices with response):
Linux: 11 , 57.9048 % , Windows: 8 , 42.1052 %.

2nd run:

1. Name of IoT selected: **Sony_IP_Camera**
2. Responsive devices: **17 , 37.77777777777778 %**
3. IP-ID in ICMP pkts (given devices with response):
Random: 17 , 100.0 % , Zero: 0 , 0.0 % , Incremental: 0 , 0.0 %.
4. Port 80 open: **12 , 26.66666666666668 %**
5. IP-ID in TCP pkts (given devices with port 80 open):
Random: 1 , 8.333333333333332 % , Zero: 11 , 91.66666666666666 % , Incremental: 0 , 0.0 %.
6. Devices that deploy SYN cookie(given devices with port 80 open): **7 , 16.67 %.**
7. Devices operation system(given devices with response):
Linux: 9 , 52.942 % , Windows: 8 , 47.058 %.

3ed run:

1. Name of IoT selected: **Sony_IP_Camera**
2. Responsive devices: **16 , 35.55555555555556 %**
3. IP-ID in ICMP pkts (given devices with response):
Random: 16 , 100.0 % , Zero: 0 , 0.0 % , Incremental: 0 , 0.0 %.
4. Port 80 open: **12 , 26.66666666666668 %**
5. IP-ID in TCP pkts (given devices with port 80 open):
Random: 2 , 16.666666666666664 % , Zero: 10 , 83.33333333333334 % , Incremental: 0 , 0.0 %.
6. Devices that deploy SYN cookie(given devices with port 80 open): **5 , 9.3446 %.**
7. Devices operation system(given devices with response):
Linux: 9 , 56.25 % , Windows: 7 , 43.75 %.

Sum up:

1. Name of IoT selected:
Sony_IP_Camera
2. Responsive devices:
38.46%
3. IP-ID in ICMP pkts (given devices with response):
Random: 100.0 %,
Zero: 0.0 %,
Incremental: 0.0 %.
4. Port 80 open:
29.623 %
5. IP-ID in TCP pkts (given devices with port 80 open):
Random: 12.486 %,
Zero: 11 , 87.466 %,
Incremental: 0 , 0.0 %.
6. Devices that deploy SYN cookie(given devices with port 80 open):
20.66%.
7. Devices operation system(given devices with response):
Linux: 55.696 %,
Windows: 44.304 %.