

Recognize Unusual Traffic Patterns

In order to recognize unusual traffic patterns, you must first recognize normal traffic patterns. Baselines are essential in differentiating traffic types.

Using penetration testing, reconnaissance and mapping tools to generate unusual traffic enables you to correlate this type of traffic with these tools. For example, in Figure 356 we have captured an OS fingerprinting operation performed with Nmap. In some of the ICMP Echo Request packets, the code field is set at 9. This is unique as the specification indicates the code field of an ICMP Echo Request packet should be 0.

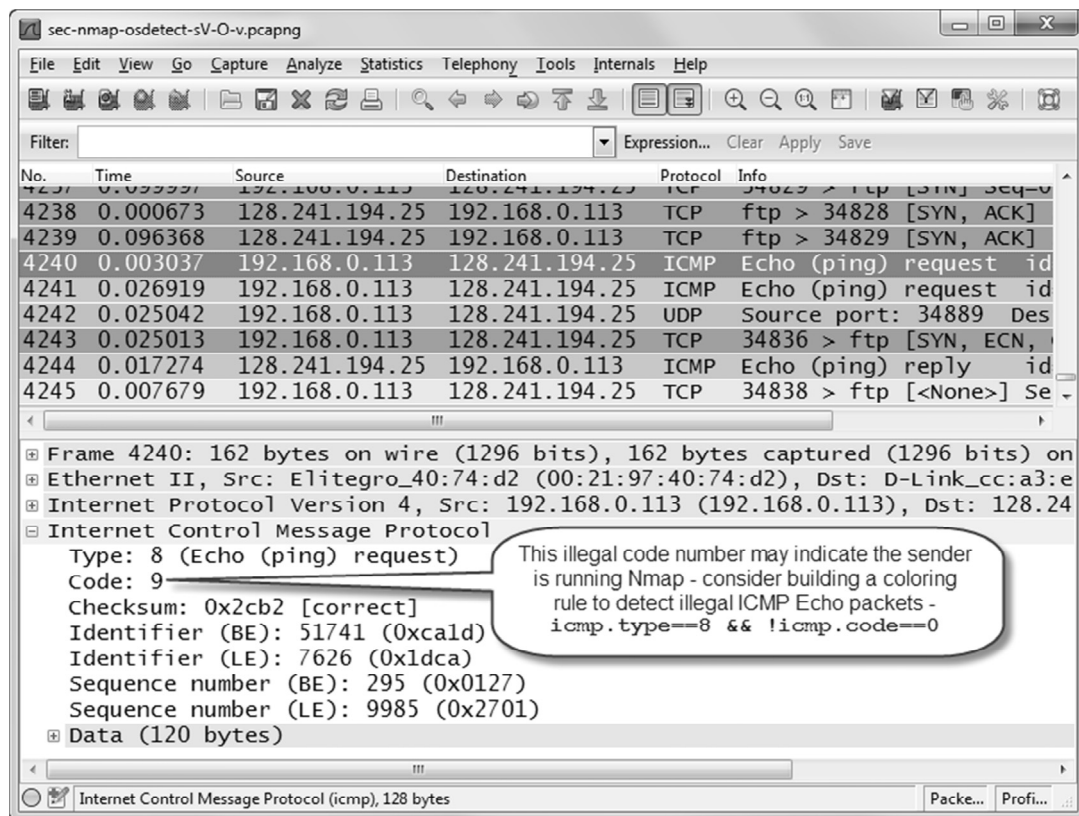


Figure 356. Unusual traffic patterns may identify the tool used on the network [sec-nmap-osdetect-sV-O-v.pcapng]