Raw Sockets in Python

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Packet Sniffing

It's All Binary

Internet

10010011
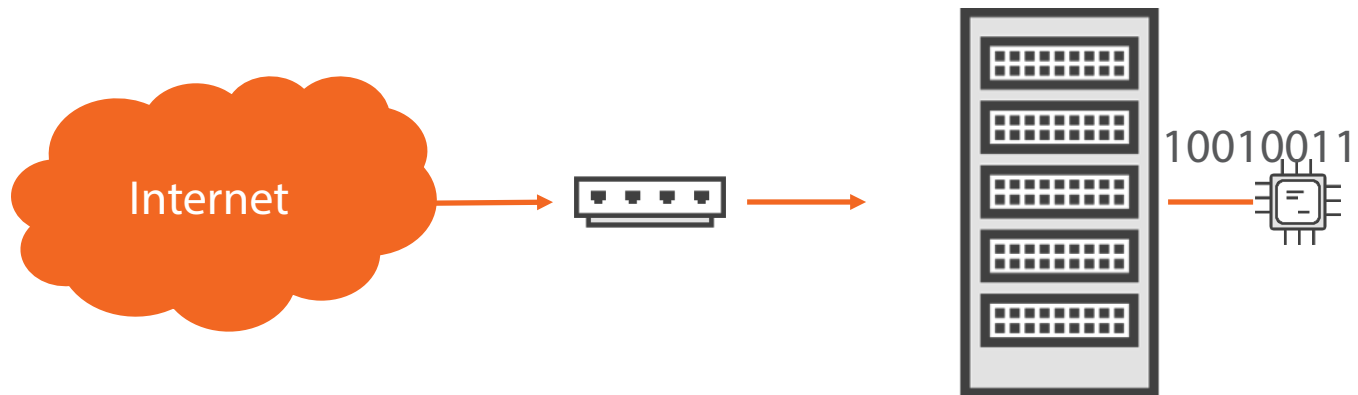
Decoding the IP Layer

Internet Protocol

	0-3	4-7	8-15	16-18	19-31
0	Version	Header length	Type of service	Total length	
32	Identification			Flags	Fragment offset
64	Time to live		Protocol	Header checksum	
96	Source address				
128	Destination address				
160	Options				Padding

Sniffing with Scapy

What Can I Do with Scapy?
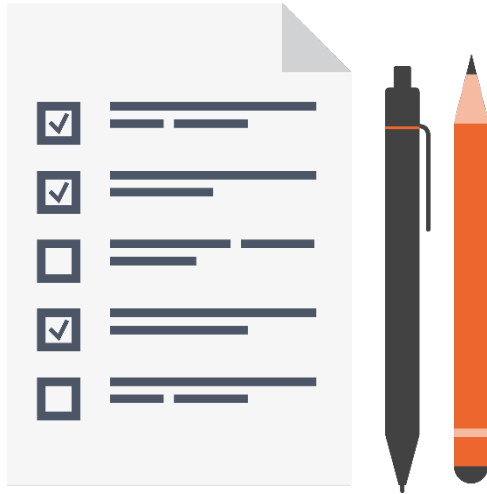
Listen for credentials

ARP cache poisoning

Network monitoring

Much more …

Summary

Packet sniffing

Decoding the IP Layer

Scapy