

WIRESHARK TUTORIAL

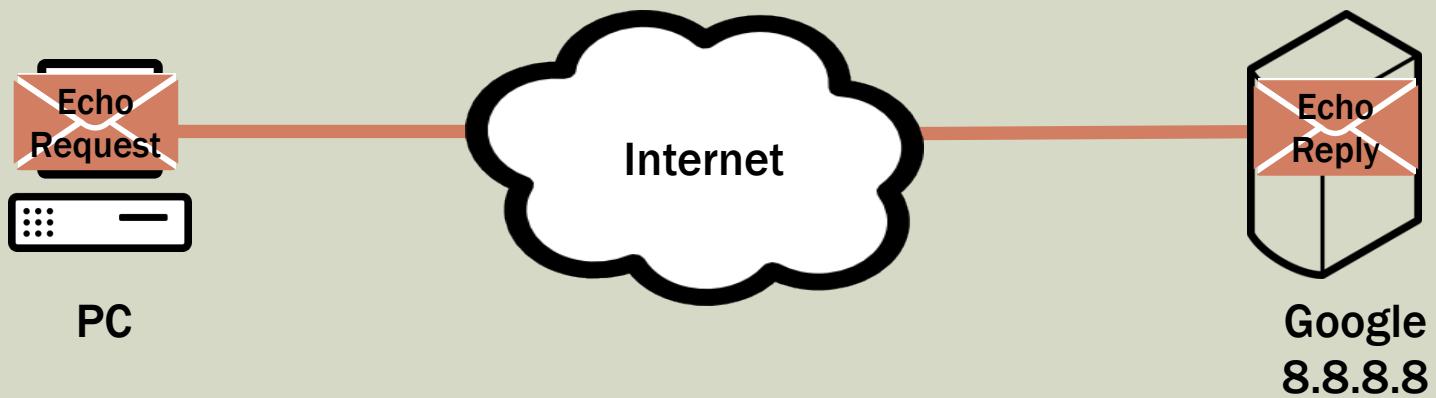
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Pluralsight Author, Nerdtastic Stuff

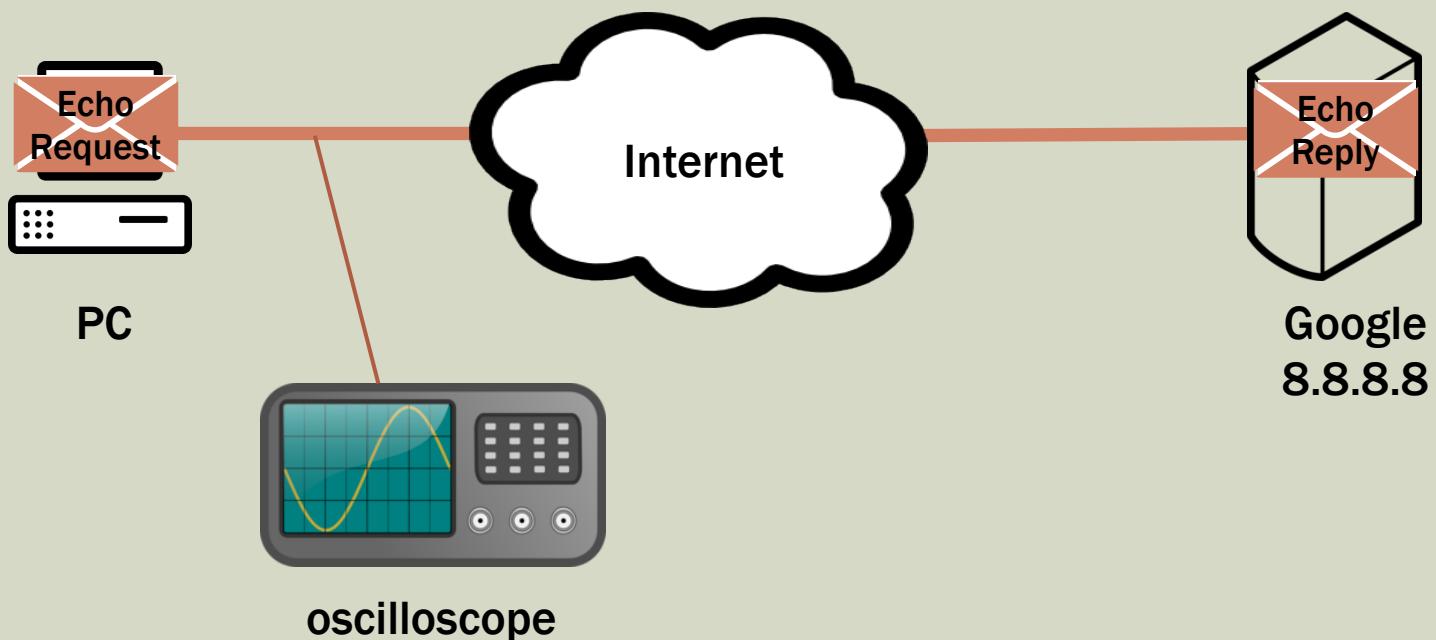


Introduction to
capturing and
analyzing
packets

EVESEDROPPING



EVESEDROPPING - OLD SCHOOL



EVESDROPPING – OLD SCHOOL

000000000001100001010011111011001101011000110001010101010010101
0101110101000010101010100101010010101010101001010101010001010101
101000101011011101010001010101010101010001010101010010101010100010101
1110101000010101010100101010101010101010010101010101000101010101
00010101101110101000101010101010100010101010101010010101010101010111
010100001010101010010101001010101010100100101010101010001010101000
10101101110101000101010101010101000101010101010010101010101010111010
100001010101010010101001010101010010011010101000101010101000101010001010
1101110100010101010101010101000101010101010010101010101010101110101000
010101010100101010010101010101001001010101010100010101010100010101110
111010100010101010101010101000101010101010010101010101010101110101000010
10101010010101001010101010010010101010100010101010101000101011101011111
0101000101010101010101000101010101010100101010101010101110101000010101
01010100101001010101010010010101010100010101010100010101110101111010
1000101010101010101010001010101010101001010101010101110101000010101010
101001010100101010101001001010101010100010101010001010101010100010101010

PARSE BITS

0000 0000 0101 0000 0101 0110 1110 0110 0101 0011 0110 0011
0000 0000 0000 1100 0010 1001 1111 1011 0011 0101 1000 1100
0000 1000 0000 0000

Destination MAC	Source MAC	L3 Type	Packet
00:50:56:E6:53:63	00:0C:29:FB:35:8C	0x0800	Packet Data



Indicates IPv4 Packet

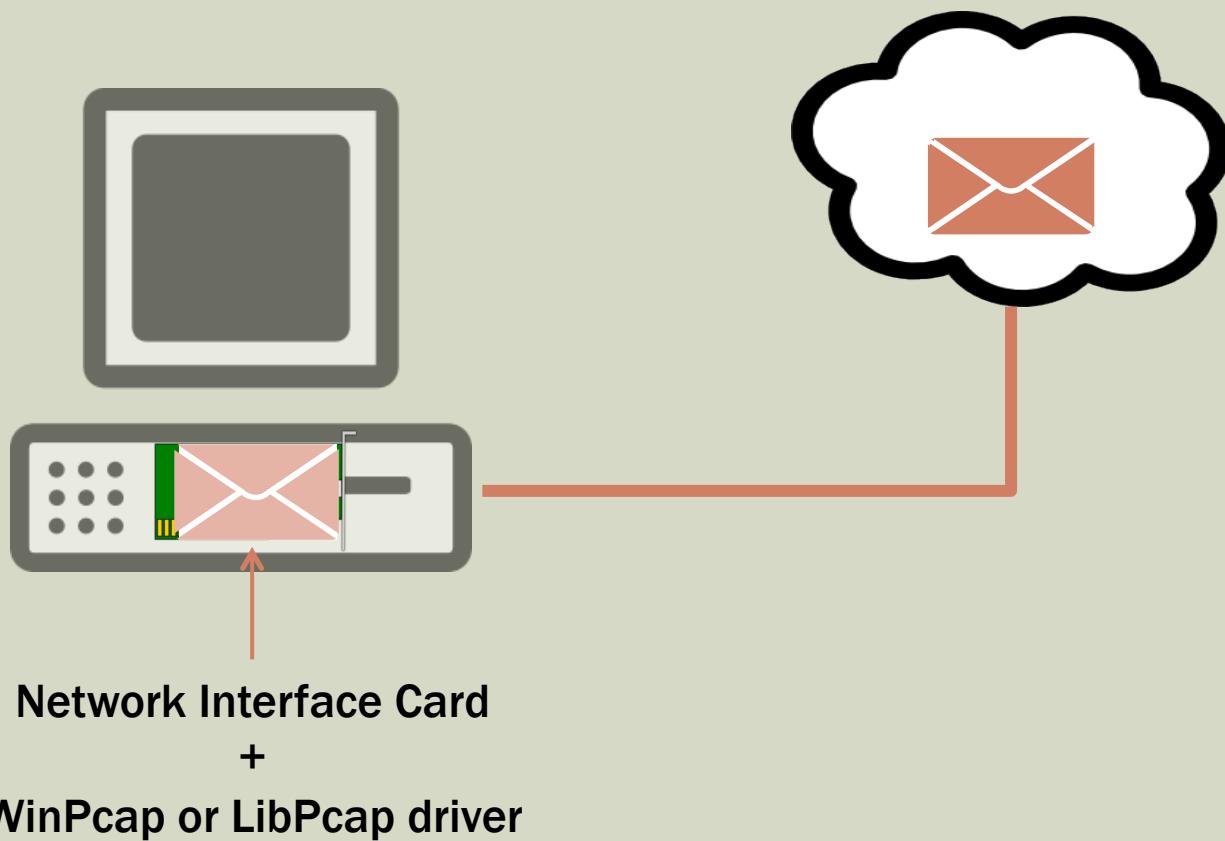
RFC 791

PARSE PACKET HEADER

0	1	2	3
0 1 2 3 4 5 6 7 8 9 0	1 2 3 4 5 6 7 8 9 0	1 2 3 4 5 6 7 8 9 0	1
+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+			
Version IHL Type of Service	Total Length		
+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+			
Identification	Flags	Fragment Offset	
+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+			
Time to Live	Protocol	Header Checksum	
+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+			
Source Address			
+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+			
Destination Address			
+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+			
Options	Padding		
+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+			

EVESEDROPPING – OLD SCHOOL

Wireshark
Application



DEMONSTRATION

**PERFORMING A
BASIC PACKET CAPTURE**