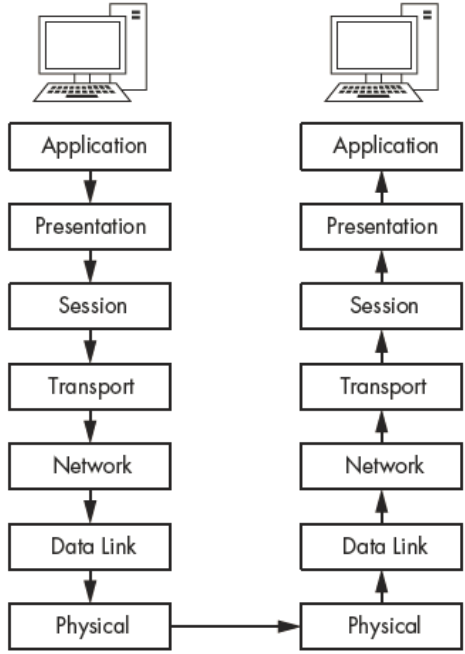


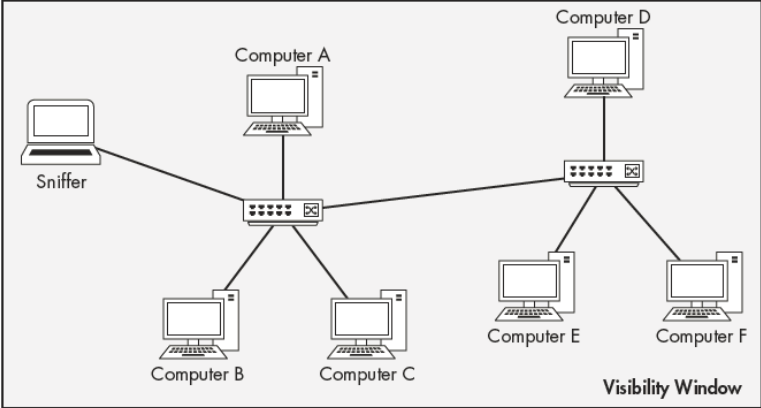
# Practical Packet Analysis, 3rd edition

## Using Wireshark to Solve Real-World Network Problems

by Chris Sanders

errata updated to print 10

Page	Error	Correction	Print corrected
7	Figure replacement	 <p data-bbox="1045 1209 1507 1307"><i>Figure 1-2: Protocols working at the same layer on both the sending and receiving systems</i></p>	Print 2

Page	Error	Correction	Print corrected																																																											
19	Figure replacement	 <p data-bbox="1062 643 1688 667"><i>Figure 2-2: Sniffing on a hub network provides a limitless visibility window.</i></p>	Print 2																																																											
122	Figure replacement	<table border="1" data-bbox="1062 743 1822 1057"> <thead> <tr> <th colspan="5">Address Resolution Protocol (ARP)</th> </tr> <tr> <th>Offsets</th> <th>Octet</th> <th>0</th> <th>1</th> <th>2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td></td> <td>Bit</td> <td>0-7</td> <td>8-15</td> <td>16-23</td> <td>24-31</td> </tr> <tr> <td>0</td> <td>0</td> <td colspan="2">Hardware Type</td> <td colspan="2">Protocol Type</td> </tr> <tr> <td>4</td> <td>32</td> <td>Hardware Address Length</td> <td>Protocol Address Length</td> <td colspan="2">Operation</td> </tr> <tr> <td>8</td> <td>64</td> <td colspan="4">Sender Hardware Address</td> </tr> <tr> <td>12</td> <td>96</td> <td colspan="2">Sender Hardware Address</td> <td colspan="2">Sender Protocol Address</td> </tr> <tr> <td>16</td> <td>128</td> <td colspan="2">Sender Protocol Address</td> <td colspan="2">Target Hardware Address</td> </tr> <tr> <td>20</td> <td>160</td> <td colspan="4">Target Hardware Address</td> </tr> <tr> <td>24+</td> <td>192+</td> <td colspan="4">Target Protocol Address</td> </tr> </tbody> </table> <p data-bbox="1062 1076 1310 1101"><i>Figure 7-2: The ARP packet structure</i></p>	Address Resolution Protocol (ARP)					Offsets	Octet	0	1	2	3		Bit	0-7	8-15	16-23	24-31	0	0	Hardware Type		Protocol Type		4	32	Hardware Address Length	Protocol Address Length	Operation		8	64	Sender Hardware Address				12	96	Sender Hardware Address		Sender Protocol Address		16	128	Sender Protocol Address		Target Hardware Address		20	160	Target Hardware Address				24+	192+	Target Protocol Address				Print 4
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