

Advanced computer networks Lab: Assignment #2

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Problem 1

Install wire shark to sniff capture

ans: 1)Installed wireshark

2)ping ip address of another system's user.The packets are captured and saved the result in a file

3)ping google.The packets are captured and saved the result

No.	Time	Source	Destination	Protocol	Length	Info
9216	1019.523828	10.30.56.103	10.30.56.123	ICMP	98	Echo (ping) reply id=0x0cea, seq=15/3840, ttl=64
9217	1019.696197	10.30.56.123	8.8.8.8	DNS	81	Standard query AAAA changelogs.ubuntu.com
9218	1019.837952	8.8.8.8	10.30.56.123	DNS	142	Standard query response
9219	1019.838160	10.30.56.123	8.8.8.8	DNS	89	Standard query AAAA changelogs.ubuntu.com.8.8.8.4
9220	1019.927066	10.30.56.123	91.189.92.152	TCP	66	55805 > http [FIN, ACK] Seq=2492 Ack=6435 Win=28288 Len=0 TSval=242422 TSecr=249899
9221	1019.950337	8.8.8.8	10.30.56.123	DNS	164	Standard query response, No such name
9222	1019.955996	10.30.56.123	8.8.8.8	DNS	81	Standard query A changelogs.ubuntu.com
9223	1020.076811	Cisco 7f:1b:2e	Spanning-tree-(for-br)STP	60	Conf. Root = 32768/15/00:0c:31:65:a9:00 Cost = 4 Port = 0x802e	
9224	1020.109030	8.8.8.8	10.30.56.123	DNS	97	Standard query response A 91.189.95.36
9225	1020.109443	10.30.56.123	91.189.95.36	TCP	74	42705 > http [SYN] Seq=0 Win=14600 Len=0 MSS=1460 SACK_PERM=1 TSval=242467 TSecr=0
9226	1020.342692	91.189.95.36	10.30.56.123	TCP	74	http > 42705 [SYN, ACK] Seq=0 Ack=1 Win=14480 Len=0 MSS=1460 SACK_PERM=1 TSval=1095178 TSecr=0
9227	1020.342722	10.30.56.123	91.189.95.36	TCP	66	42705 > http [ACK] Seq=1 Ack=1 Win=14720 Len=0 TSval=242525 TSecr=1095195120
9228	1020.342782	10.30.56.123	91.189.95.36	HTTP	294	GET /meta-release-lts HTTP/1.1
9229	1020.367068	10.30.56.123	91.189.92.181	TCP	66	45488 > http [FIN, ACK] Seq=6013 Ack=5922 Win=48576 Len=0 TSval=242532 TSecr=291911
9230	1020.410900	6c:30:45:30:90:08	Broadcast	ARP	60	Who has 10.30.56.125? Tell 10.30.56.122
9231	1020.527088	10.30.56.123	10.30.56.103	ICMP	98	Echo (ping) request id=0x0cea, seq=16/4096, ttl=64
9232	1020.527779	10.30.56.103	10.30.56.123	ICMP	98	Echo (ping) reply id=0x0cea, seq=16/4096, ttl=64
9233	1020.553561	91.189.95.36	10.30.56.123	TCP	66	http > 42705 [ACK] Seq=1 Ack=229 Win=15616 Len=0 TSval=1095195178 TSecr=242525
9234	1020.553894	91.189.95.36	10.30.56.123	HTTP	218	HTTP/1.1 304 Not Modified
9235	1020.553904	10.30.56.123	91.189.95.36	TCP	66	42705 > http [ACK] Seq=229 Ack=153 Win=15744 Len=0 TSval=242578 TSecr=1095195178
9236	1020.553912	91.189.95.36	10.30.56.123	TCP	66	http > 42705 [FIN, ACK] Seq=153 Ack=229 Win=15616 Len=0 TSval=1095195178 TSecr=242525
9237	1020.591059	10.30.56.123	91.189.95.36	TCP	66	42705 > http [ACK] Seq=229 Ack=154 Win=15744 Len=0 TSval=242588 TSecr=1095195178
9238	1020.722414	10.30.56.123	91.189.95.36	TCP	66	42705 > http [FIN, ACK] Seq=229 Ack=154 Win=15744 Len=0 TSval=242620 TSecr=1095195178
9239	1020.936034	91.189.95.36	10.30.56.123	TCP	66	http > 42705 [ACK] Seq=154 Ack=230 Win=15616 Len=0 TSval=1095195274 TSecr=242620

Frame 1: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on eth0

eth0: ARP 3 Ethernet

0000 01 80 c2 00 00 00 00 00 ed 7f 1b 2e 00 26 42 426B

0010 03 00 00 00 00 00 00 00 00 6c 31 65 a9 00 00le...

0020 00 01 00 00 00 00 00 00 00 00 00 00 00 00 0000000000

0030 00 0f 00 00 00 00 00 00 00 00 00 00 00 00 0000000000

No.	Time	Source	Destination	Protocol	Length	Info
9374	1063.180549	8.8.8.8	10.30.56.123	DNS	124	Standard query response PTR bom03s01-in-f1.1e100.net
9375	1063.961582	10.30.56.123	74.125.236.97	ICMP	98	Echo (ping) request id=0x0dd5, seq=12/3072, ttl=64
9376	1064.040517	74.125.236.97	10.30.56.123	ICMP	98	Echo (ping) reply id=0x0dd5, seq=12/3072, ttl=56
9377	1064.040739	10.30.56.123	8.8.8.8	DNS	86	Standard query PTR 97.236.125.74.in-addr.arpa
9378	1064.070792	Cisco 7f:1b:2e	Spanning-tree-(for-br)STP	60	Conf. Root = 32768/15/00:0c:31:65:a9:00 Cost = 4 Port = 0x802e	
9379	1064.147746	8.8.8.8	10.30.56.123	DNS	124	Standard query response PTR bom03s01-in-f1.1e100.net
9380	1064.902762	10.30.56.123	74.125.236.97	ICMP	98	Echo (ping) request id=0x0dd5, seq=13/3328, ttl=64
9381	1065.080929	74.125.236.97	10.30.56.123	ICMP	98	Echo (ping) reply id=0x0dd5, seq=13/3328, ttl=56
9382	1065.081152	10.30.56.123	8.8.8.8	DNS	86	Standard query PTR 97.236.125.74.in-addr.arpa
9383	1065.235610	8.8.8.8	10.30.56.123	DNS	124	Standard query response PTR bom03s01-in-f1.1e100.net
9384	1065.963531	10.30.56.123	74.125.236.97	ICMP	98	Echo (ping) request id=0x0dd5, seq=14/3584, ttl=64
9385	1066.044538	74.125.236.97	10.30.56.123	ICMP	98	Echo (ping) reply id=0x0dd5, seq=14/3584, ttl=56
9386	1066.044759	10.30.56.123	8.8.8.8	DNS	86	Standard query PTR 97.236.125.74.in-addr.arpa
9387	1066.076088	Cisco 7f:1b:2e	Spanning-tree-(for-br)STP	60	Conf. Root = 32768/15/00:0c:31:65:a9:00 Cost = 4 Port = 0x802e	
9388	1066.151356	8.8.8.8	10.30.56.123	DNS	124	Standard query response PTR bom03s01-in-f1.1e100.net
9389	1066.965369	10.30.56.123	74.125.236.97	ICMP	98	Echo (ping) request id=0x0dd5, seq=15/3840, ttl=64
9390	1067.090566	74.125.236.97	10.30.56.123	ICMP	98	Echo (ping) reply id=0x0dd5, seq=15/3840, ttl=56
9391	1067.090793	10.30.56.123	8.8.8.8	DNS	86	Standard query PTR 97.236.125.74.in-addr.arpa
9392	1067.214464	8.8.8.8	10.30.56.123	DNS	124	Standard query response PTR bom03s01-in-f1.1e100.net
9393	1067.966398	10.30.56.123	74.125.236.97	ICMP	98	Echo (ping) request id=0x0dd5, seq=16/4096, ttl=64
9394	1068.066287	74.125.236.97	10.30.56.123	ICMP	98	Echo (ping) reply id=0x0dd5, seq=16/4096, ttl=56
9395	1068.066502	10.30.56.123	8.8.8.8	DNS	86	Standard query PTR 97.236.125.74.in-addr.arpa
9396	1068.076720	Cisco 7f:1b:2e	Spanning-tree-(for-br)STP	60	Conf. Root = 32768/15/00:0c:31:65:a9:00 Cost = 4 Port = 0x802e	
9397	1068.167207	8.8.8.8	10.30.56.123	DNS	124	Standard query response PTR bom03s01-in-f1.1e100.net

Frame 1: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on eth0

Filter: 3338333