NUR ZAHIRAH BINTI SAMAT BO31810240 2BITZ

Date: Lab 4-2 SERVER ACK = D ACK=1 SYN=0 sends a TCP SYN segment O= VIY2 receives TCP SYN Connection request accepted) sords ACK ACK = 1 5YN=1 send sigment info receives TCP SYN+ ACK = 101 ACK segment SYN = 1 (TCP connection successful) receives TCP ACK (TCP) datalength = 100 ACK = 10! 8 yN = 1 Antalength = 391 receives TCP push TCP = 20 sends TCP FIN + ACK ACK = 102 SYN = 392 ACK (close TCP connection) data length = asconnected) ACK = 392 SYN=102 receives TCP FINT receives (set connection state to crosep) Ack (sets connection state to cLOSING) The device tries to make a TCP connection and sends a TCP SYN segment and regment information. The device receives a TCP SIN segment and segment information. The connection 2. request is accepted and sets the connection state to SYN_RECEIVED. TCP accepts a window. The device sends a TCP SYN+Ack segment and segment 3. Intermation. The device receives a TCP SYN+ACK segment and segment information . TCP connection 4 . is successful and TCP refrieves the MSS value. The device sets the connection state to ESTABLISHED. The device receives a TCP ACK signment and the TCP segment has the expected Si peer sequence number. The device sets the connection state to ESTABLISHED The device receives a TCP push tACK segment and TCP processes payload data, 6. TCP reassembles all data segments and passes to the upper layer, The rerver receives a HTTP request and sends back a HTTP reply to the client. The device receives a TCP FIN + ACK segment, the TCP segment has the f. expected peer sequence number and the device sets the connection state to CLOSING. The device sends a TCP ACK segment.

Subject:.... Lab 4-3 Outlayer! Source Port: 53 Destination Port: 1025 The DNS client(PC) sends a DNS query to the DNS server (Server), The server encapsulates the PDU into an UDP segment. 2. Then, it finds a domain with the name and rends it back a response. The DNS client (PC) receives the DNS response. 4. The received DNS response contains a resolved 18 address for the queried 5. Haut Ha domain. Thedevice then decapsulated the PDU from the UDP segment Lab 4-4 PC SP PDY encapsulate to upp segment 08:80 SERVER PP: 1026 SP: 1016 SYNED ACK = O A. DP:80 Db. 1032 2 AN=0 VCK=1 OF= 70 SP>1026 SYN=1, ACK=1 0(=)0 PP280 SP:1026 SYN=1 ACK=1, D1=104 TCP -80 SYN = 1, ACK = 105 (DL = 374) SYN -105 ACKS 191 SYN=395, ACK = 106, AC= 20 611 1 SYN=106, ACE: 375,01=20 SYN = 106, ACE = 375, DL = 20

			Date:		
	Layer 7				
1.	PC sends DNS query to the server.				
2.	PC makes a connection to server.				
3.	PC sends a HTTP request to server.				
4.	PC receives reply from server and display at web browser.				
	Lab 45				
	IA (D) SERVER				
	00/00		(101)		
	21.10% Dr = 40	DP=53			
		Dr: 53			<u> </u>
0	0P:102C				
	C - 217	DP:53			
	Sb./(05g				
36(5)	Sp: 1026 OV.				
	Sp: 1026, SYN = 0, ACK = 0				1
					1
	DP=1026 SYN=0, ACK >0				1
	District				4
	SYN=0,ACK=1	OP = 80			
				~	1
	08-6026 SAN=0,4CK=1	SP=80			
	1,10-16	DP = 80			1
	SP=1036 SYN=106, ACK=3	35 OD: 80			1
	SYN=332, ACL=109				
	OP=1024 DYN=109, ACK=331	DP:80			
	(b) 12 (2) A ACK: 332	Sp=1026			4 1
1.	The packet from 1A will send to the server Server receives frames through RI-ISP. U				
	source port at 1026 while destination port is	53.			
2.	DNS server find domain and send back response to IA.				
3.	la receives response from DNS that contains a resolved IP addresses.				
4.	1A sends segment to server.				
5.	Server receives segment and established the segment from IA.				
6.	Segment receives back to 1A and DNS server is closed.				
	2007-12-17		,		
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