

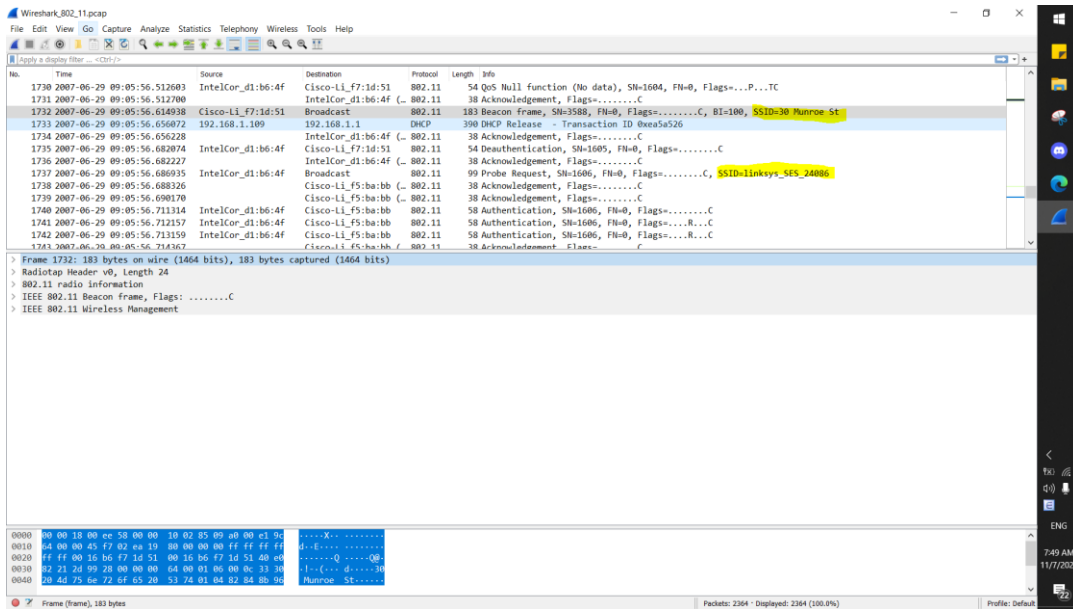
COMPUTER NETWORK LAB

LAB 7

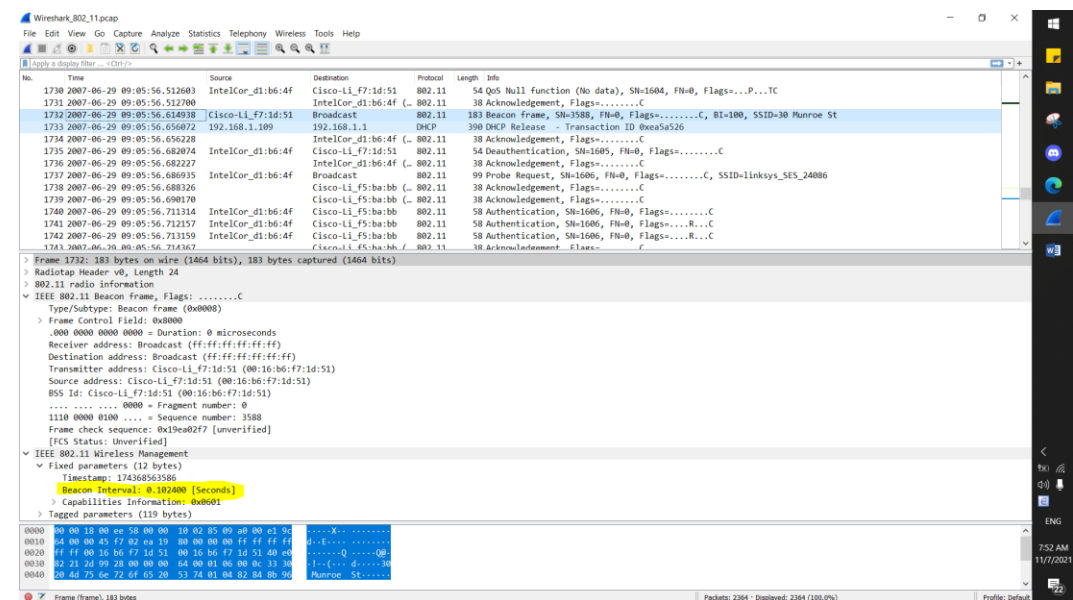
Name: Đinh Hoàng Anh

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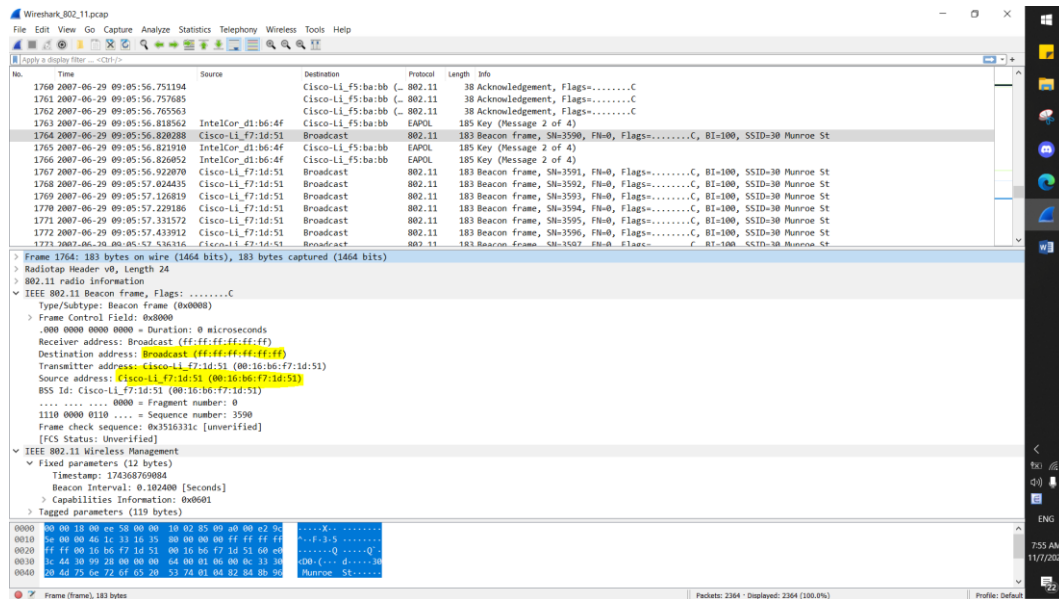
Lab 7



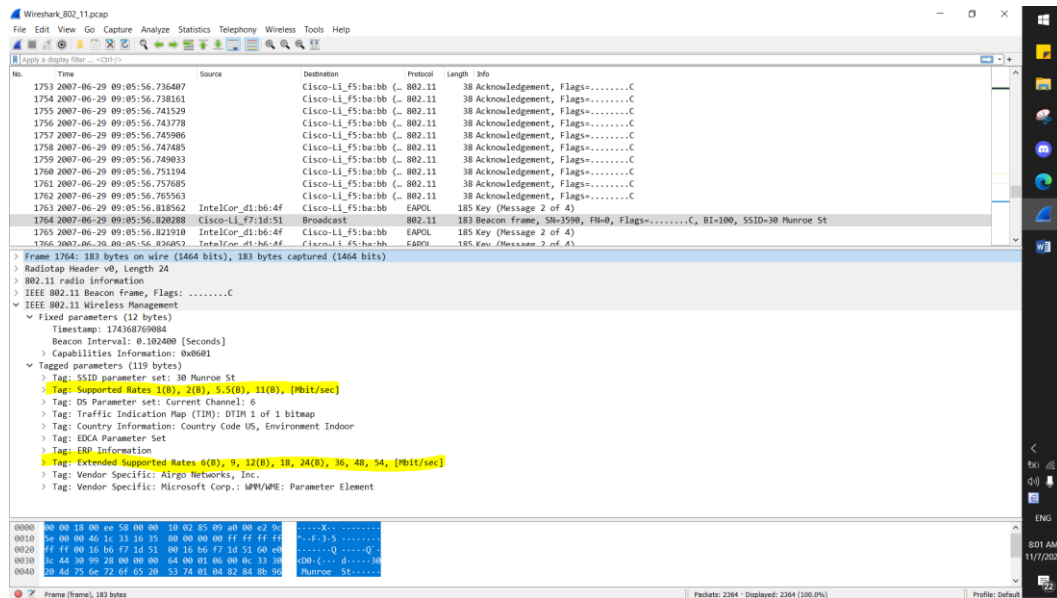
1. Linksys_SES_2486 and 30 Munroe St



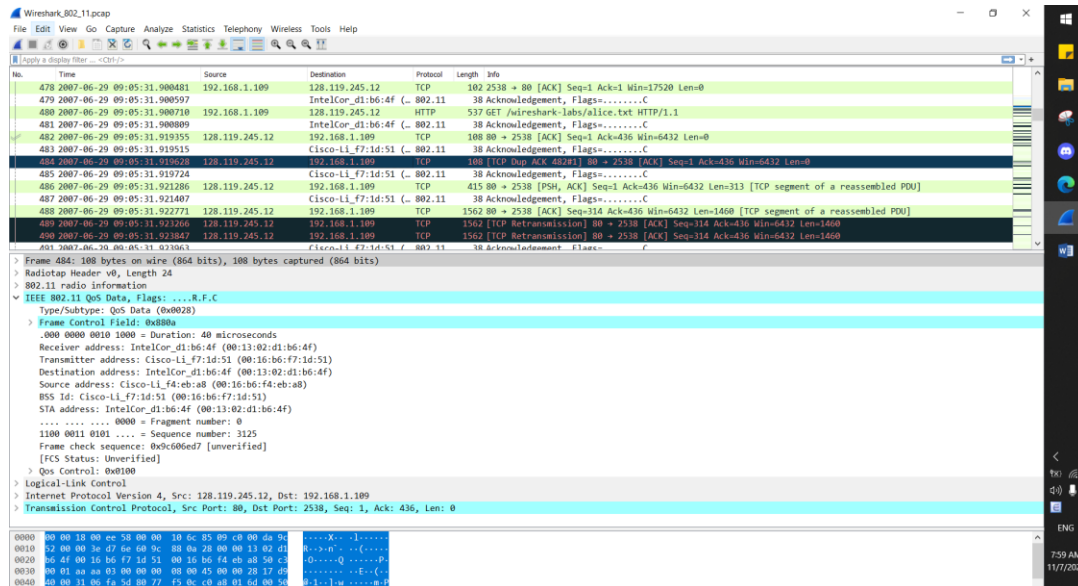
2. Beacon Interval: 0.102400



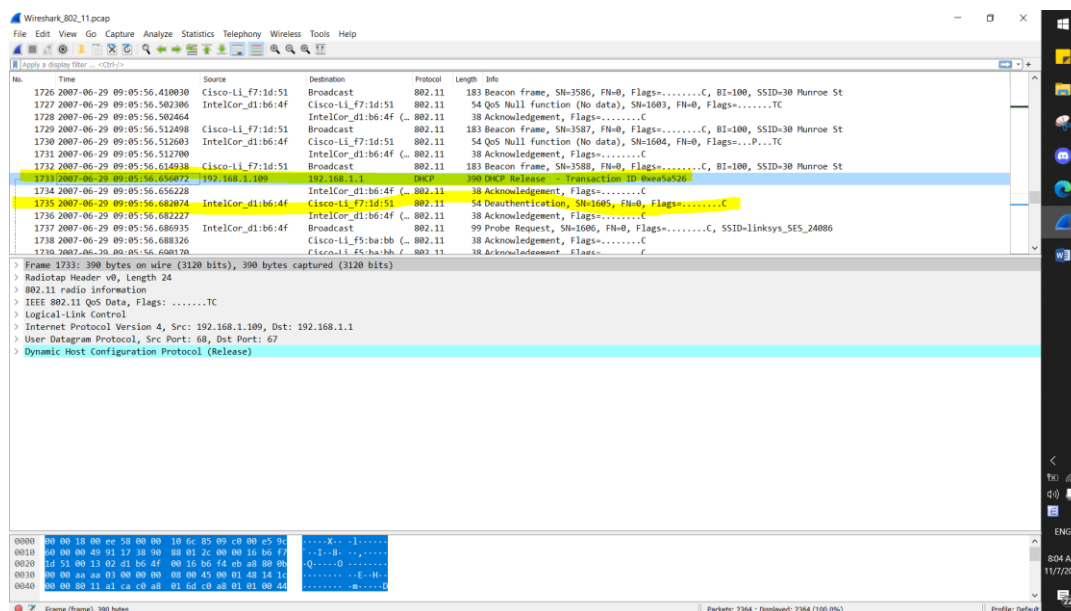
3. Source address 00:16:b6:f7:1d:51
4. Destination address: ff:ff:ff:ff:ff:ff
5. MAC BSS id: 00:16:b6:f7:1d:51



6. The eight additional "extended supported rates" are 6.0, 9.0, 12.0, 18.0, 24.0, 36.0, 48.0, 54.0 Mbps Four data rates are 1.0, 2.0, 5.5,

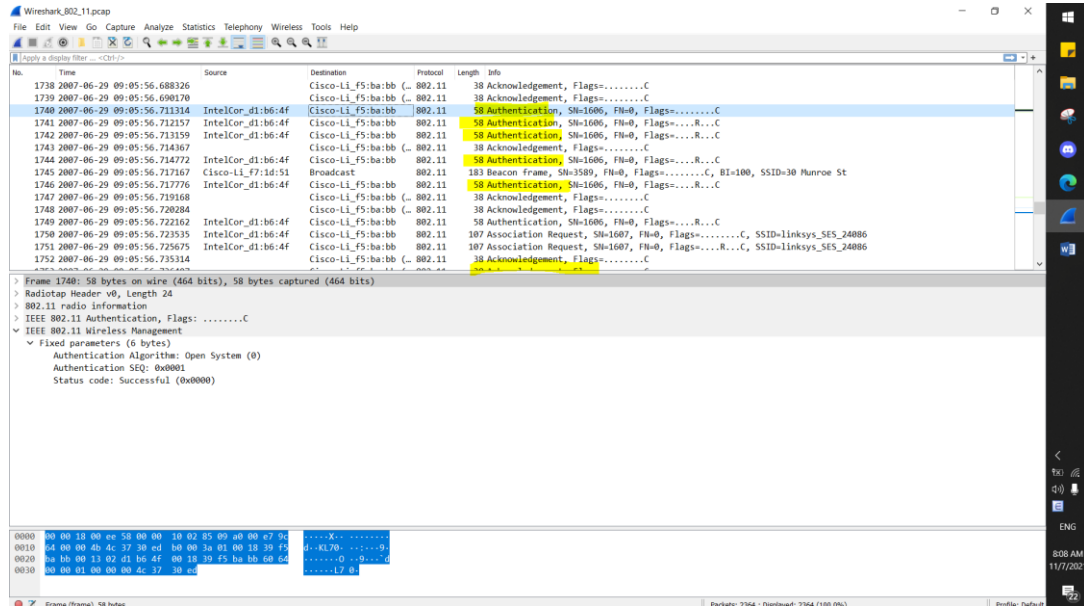


7. Three MAC address fields in the 802.11 frame: BSS Id, source address and destination address
 MAC address in this frame corresponds to the wireless host: 00:13:02:d1:b6:4f To the first-hop router: 00:16:b6:f4:eb:a8 The IP address of the wireless host sending this TCP segment: 00:16:b6:f7:1d:51 Destination Address: 128.119.245.1
8. The TCP SYNACK is received at t = 24.827751 seconds into the trace. The MAC address for the sender of the 802.11 frame containing the TCP SYNACK segment is 00:16:b6:f4:eb:a8, which is the 1st hop router to which the host is attached . The MAC address for the destination, which the host itself, is 91:2a:b0:49:b6:4f. (Curiously, this is different from the MAC address of the host used in the frame that sends the TCP SYN. The host wireless interface is behaving as if it has two interface addresses - interesting!). The MAC address for the BSS is 00:16:b6:f7:1d:51. The IP



address of the server sending the TCP SYNACK is 128.199.245.12 (gaia.cs.umass.edu) The destination address is 192.168.1.109 (our wireless PC)

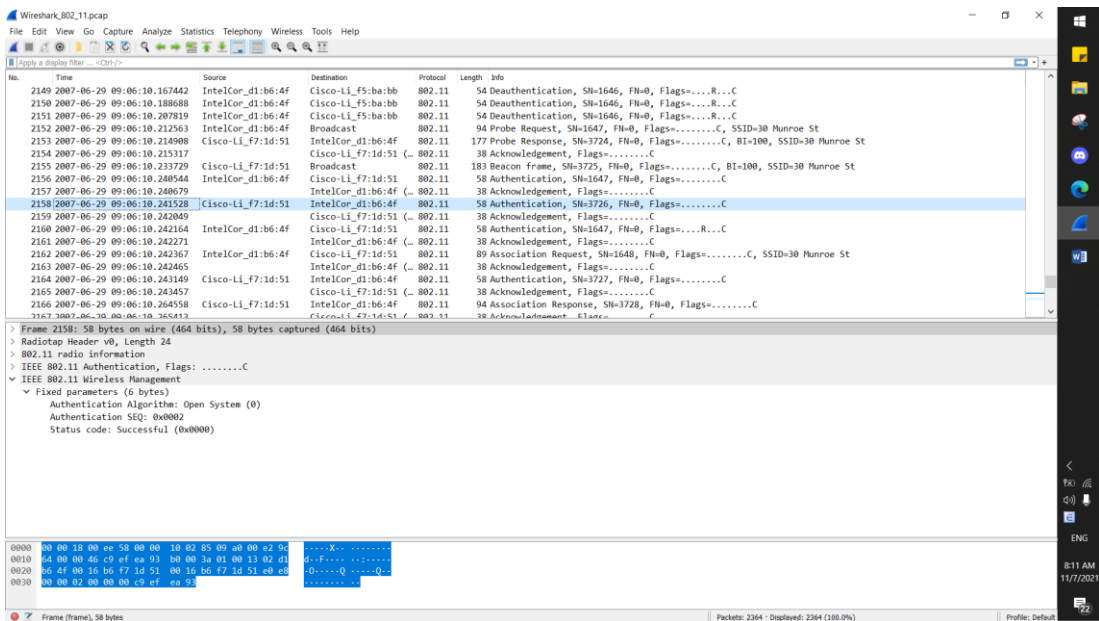
9. Release and a Deauthentication. We expected to see a Disassociation request



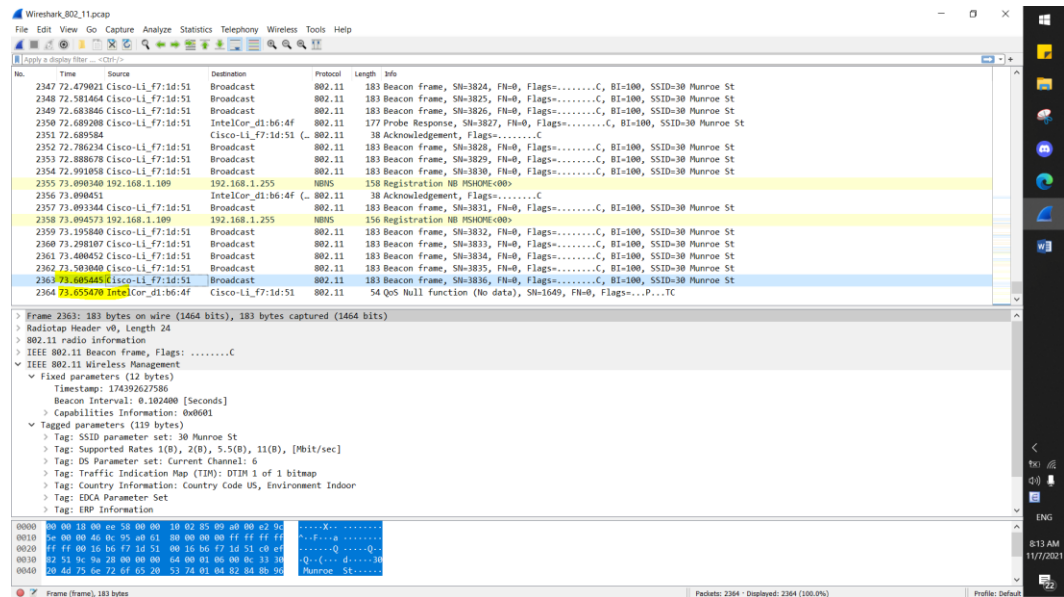
10. 6 authentication messages

11. Open

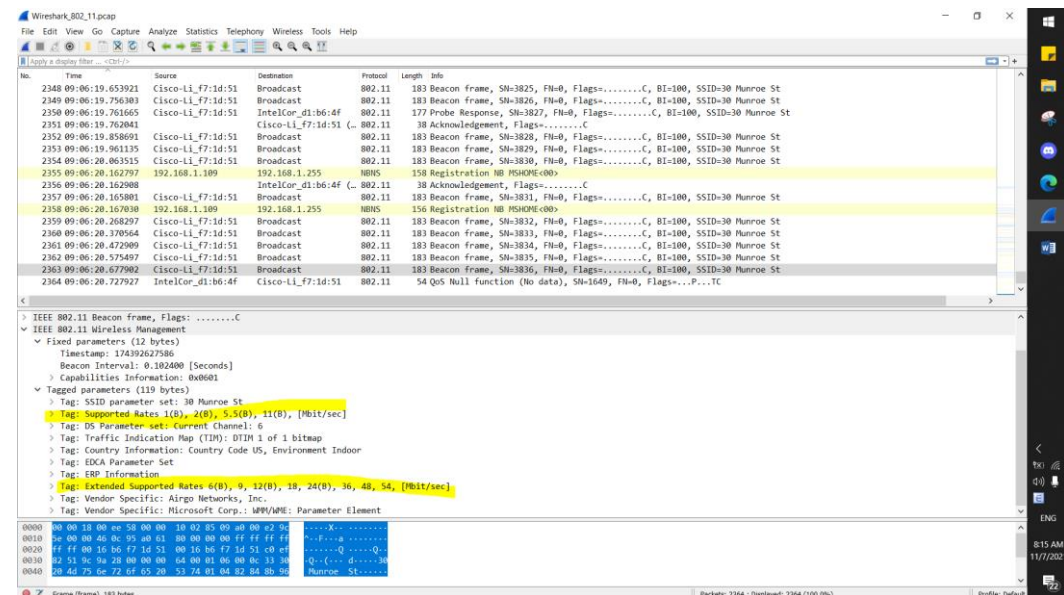
12. No, I don't



13. There is an AUTHENTICATION frame from 00:13:02:d1:b6:4f to 00:16:b7:f7:1d:51 when t = 63.168087. The AUTHENTICATION sent back at t = 63.169071



14. ASSOCIATE REQUEST from host to the 30 Munroe St AP at t = 63.169910 and replied at t = 63.192101



15. The possible rates are 1, 2, 5.5, 11, 6, 9, 12, 18, 24, 32, 48, 54

16. At t = 2.297613 there is a PROBE REQUEST sent with source 00:12:f0:1f:57:13, destination: ff:ff:ff:ff:ff:ff, and a BSSID of ff:ff:ff:ff:ff:ff. At t = 2.300697 there is a PROBE RESPONSE sent with source: 00:16:b6:f7:1d:51, destination and a BSSID of 00:16:b6:f7:1d:51. A PROBE REQUEST is used by a host in active scanning to find an Access Point (see Figure 6.9 on page 531 in the text). A PROBE RESPONSE is sent by the access point to the host sending the request