

Krzysztof Król - 305174 - grupa wtorek 12:50

Sprawozdanie - BSK Laboratorium 2 - Wireshark

2.3

What is the BSS ID used by the most active wireless conversations?

00:16:b6:e3:e9:8d

How many Data frames are in the trace, and what is the most common subtype of Data frame?

1783, Najczęstszy podtyp ramki danych: 0 (Data Frame)

How many Control frames are in the trace, and what is the most common subtype?

1391, Najczęstszy podtyp ramki kontrolnej: 13 (Ack)

How many Management frames are in the trace, and what is the most common subtype?

557, Najczęstszy podtyp ramki zarządzania: 8 (Beacon)

What is the retransmission rate, number of retransmissions and number of original transmissions?

Pierwotne transmisje: 1430

Retransmisje: 353

Stosunek retransmisji (rate): $353 / 1430 = 24,7\%$

What fraction of the frames sent to the AP signal that the client is powering down?

$16 / 822 * 100\% = 1,95\%$

What is the SSID of the main AP? This is one of the tagged parameters in the Beacon frame.

SSID = djw

How often are Beacon frames sent for the main AP? To see how often Beacon frames are sent for the main AP, you will find the Beacon interval given in the Beacon frame itself or change the Time display to be show the interval since the last frame. (Under View, select Time Display Format, and "Seconds Since Previous Displayed Packet".).

~0.1024s

What data rates does the main AP support? The data rates that the main AP support are listed under tagged parameters.

Wspierane przepływności danych: 1(B), 2(B), 5.5(B), 11(B), 18, 24, 36, 54 [Mbit/sec]

i dodatkowo Extended Supported Rates 6, 9, 12, 48 [Mbit/sec]

What rate is the Beacon frame transmission? You can find the rate of the Beacon frame transmission from the Radiotap header, or more conveniently displayed in the column you added in an earlier step.

Przepływność: 1,0 Mb/s

What are the Type and Subtype values of Association Request / Association Response frames?

Association Request type: 0 (Management)

Association Request subtype: 0

Association Response type: 0 (Management)

Association Response subtype: 1

What are the Type and Subtype values for the Probe Request / Probe Response frames?

Probe Request type: 0 (Management)

Probe Request subtype: 4

Probe Response type: 0 (Management)

Probe Request subtype: 5

2.4

What are the SSIDs of the two access points that are issuing most of the beacon frames in this trace?

Pierwsze AP:

Source address: Cisco-Li_f7:1d:51

BSS Id: 00:16:b6:f7:1d:51

SSID: 30 Munroe St

Drugie AP:

Source address: LinksysG_67:22:94

BSS Id: 00:06:25:67:22:94

SSID: linksys12

What are the intervals of time between the transmission of the beacon frames the linksys_ses_24086 access point? From the 30 Munroe St. access point? (Hint: this interval of time is contained in the beacon frame itself).

Time between transmission of linksys_SES_24086: ~0,05s

Time between transmission of 30 Munroe St: ~0,102s

What (in hexadecimal notation) is the source MAC address on the beacon frame from 30 Munroe St? Please have in mind, that the source, destination, and BSS are three addresses used in an 802.11 frame.

Source address: 00:16:b6:f7:1d:51

What (in hexadecimal notation) is the destination MAC address on the beacon frame from 30 Munroe St??

Destination address: ff:ff:ff:ff:ff:ff

What (in hexadecimal notation) is the MAC BSS id on the beacon frame from 30 Munroe St?

BSS Id: 00:16:b6:f7:1d:51

The beacon frames from the 30 Munroe St access point advertise that the access point can support four data rates and eight additional "extended supported rates." What are these rates?

Extended Supported Rates 6(B), 9, 12(B), 18, 24(B), 36, 48, 54, [Mbit/sec]