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CIS 3360

July 5, 2020

Wireshark Assignment

Description: Under the Capture Options I chose Wi-Fi as the input, then selected to automatically save the captured data to separate files every 10 seconds for a total of 30 seconds for part II of the assignment. By default Wireshark will automatically save 4 files, the first of which will be empty, leaving only 3 files of useful tracked packet data. I found the Wi-Fi interface name under the “manage interfaces” option for input. For part III of the assignment I used the display filter to find the IP Addresses for HTTP. I used Go to Packet (ctrl+g) to find packet 520 which contained the HTTP/XML protocol entry with the correct information for Dish DSS25.

![A screenshot of a social media post

Description automatically generated]()

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The Interface Name for my Wi-Fi is labeled as \Device\NPF\_{FEFD74B9-58F0-4739-8D08-912E3239B7B2}

The two IP Addresses are: 10.0.2.15 and 54.230.82.169

Answers to questions:

What is Dish DSS25 tracking? Goldstone

What is the antenna’s Azimuth angle? 88.29

What is the antenna’s elevation angle? 37.27

What is the antenna’s wind speed? 11.74

What is the downsignal power? 153.512802