

ATIVIDADE PRÁTICA 4

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1. Pacote IP original de 6250 bytes é subdividido em:

4 pacotes de 1500 bytes sendo, 20 bytes de cabeçalho em cada um e 1480 bytes de dados, e um pacote de 350 bytes sendo 20 bytes de cabeçalho e 330 bytes de dados.

ID	FRAGFLAG	OFFSET
30	1	0
30	1	185
30	1	370
30	1	555
30	0	740

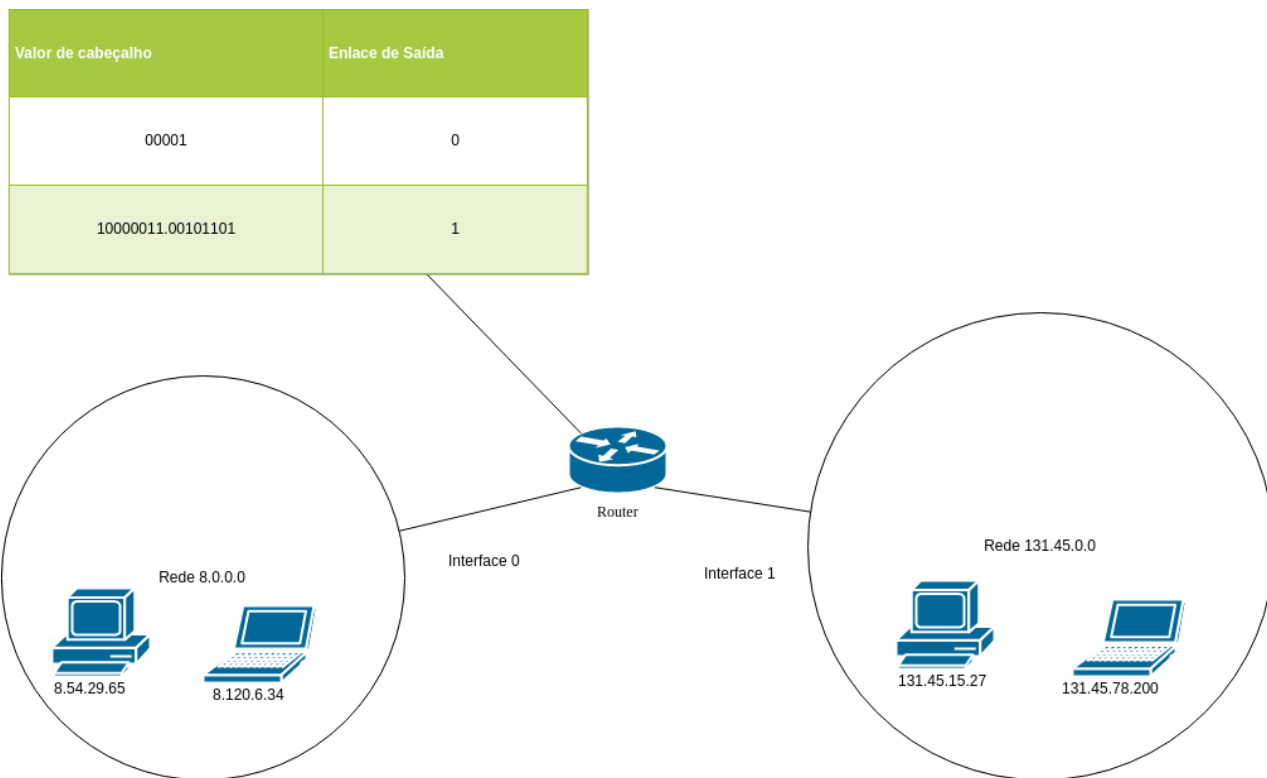
2.

- a. 01110010.00100010.00000010.00001000
- b. 10000001.00001110.00000110.00001000
- c. 11010000.00100010.00110110.00001100

3.

- a. Endereço de rede: 114.0.0.0
Endereço de host: 114.34.2.8
- b. Endereço de rede: 132.56.0.0
Endereço de host: 132.56.8.6
- c. Endereço de rede: 208.34.54.0
Endereço de host: 208.34.54.12

4. A rede 8.0.0.0 pertence a classe A e a rede 131.54.0.0 pertence a classe B.



5.

- Origem: 216.58.202.132
Destino: 10.10.2.60
- IPv4.
- 20 bytes.
- Não fragmentado = 0, logo está fragmentado.
- TCP
- 58

No.	Time	Source	Destination	Protocol	Length	Info
795	-27.529274979	10.10.2.60	216.58.202.132	TCP	66	50288 → 443 [ACK] Seq=1226699408 Ack=3159395035 Win=1179 Len=0 TSval=1303850 TSecr=1659078812
797	-27.528330149	10.10.2.60	216.58.202.132	TLSv1.2	194	Application Data
6537	9.150367715	10.10.2.60	216.58.202.132	TLSv1.2	562	Application Data
6538	9.150397608	10.10.2.60	216.58.202.132	TLSv1.2	194	Application Data
6539	9.157270530	216.58.202.132	10.10.2.60	TCP	66	443 → 50288 [ACK] Seq=3159395073 Ack=1226699942 Win=824 Len=0 TSval=1659115499 TSecr=1313020
6540	9.157296581	216.58.202.132	10.10.2.60	TCP	66	443 → 50288 [ACK] Seq=3159395073 Ack=1226699980 Win=824 Len=0 TSval=1659115499 TSecr=1313020
6541	9.157762012	216.58.202.132	10.10.2.60	TLSv1.2	194	Application Data

Destination: Pegatron_81:ba:c2 (70:71:bc:81:ba:c2)
Source: Dell_55:44:1d (00:13:72:55:41:1d)
Type: IPv4 (0x0800)
Internet Protocol version 4, Src: 216.58.202.132, Dst: 10.10.2.60
0100 = Version: 4
.... 0101 = Header Length: 20 bytes
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 52
Identification: 0xe595 (58773)
Flags: 0x00
0 = Reserved bit: Not set
..0. = Don't fragment: Not set
..0. = More fragments: Not set
Fragment offset: 0
Time to live: 58
Protocol: TCP (6)
Header checksum: 0xec29 [validation disabled]
[Good: False]
[Bad: False]
Source: 216.58.202.132
Destination: 10.10.2.60
[Source GeoIP: AS15169 Google Inc., Mountain View, CA, United States, 37.419201, -122.057404]
[Source GeoIP AS Number: AS15169 Google Inc.]
[Source GeoIP City: Mountain View, CA]
[Source GeoIP Country: United States]
[Source GeoIP Latitude: 37.419201]
[Source GeoIP Longitude: -122.057404]
[Destination GeoIP: Unknown]
Transmission Control Protocol, Src Port: 443 (443), Dst Port: 50288 (50288), Seq: 3159395073, Ack: 1226699942, Len: 0