

Nome	RA
Davi Augusto Neves Leite	191027383
Giovani Candido	191021601

ATIVIDADE(S) AULA 17/01/22:

ENUNCIADO(S):

Utilizar o Wireshark para capturar os pacotes ao se utilizar uma VPN. Capture a tela e explique brevemente o que está acontecendo.

RESOLUÇÃO:

De maneira geral, quando um computador se conecta a uma VPN é como se ele fizesse parte da rede local do provedor da VPN, ainda que este vínculo seja realizado por meio da internet. Em outras palavras, ao conectar nossos computadores à VPN da UNESP, pode-se considerar que eles estão na própria rede da UNESP, obedecendo os protocolos e utilizando os recursos desta rede.

Diante disso, as seguintes capturas de tela demonstram o processo de conexão ao VPN da UNESP. Inicialmente, há a autenticação dos logins no servidor da UNESP, que é denotado por “vpn.unesp.br”, como é possível ver nas duas primeiras imagens (até o passo 68). Após esta primeira etapa, ocorrem trocas de dados entre nossos computadores e a rede da UNESP, o que pode ser notado a partir da segunda imagem. Nestas trocas, os pacotes são “tunelados” por meio do protocolo de *Encapsulating Security Payload* (ESP), ou Encapsulamento Seguro do Conteúdo de Dados em português. Tal protocolo tem como objetivo garantir que somente o destinatário autorizado tenha acesso ao pacote, dando origem à ideia do transporte de dados por meio de um túnel entre o computador e a VPN.

Ademais, é importante dizer que, por utilizarmos o sistema operacional Windows, mesmo conectados à VPN, ocorreram outros tipos de autenticação ligados à conta da Microsoft, uma vez que esse sistema realiza essas ações em segundo plano, como pode ser visto a partir da quarta imagem.

No.	Time	Source	Destination	Protocol	Length	Info
111	12.326244	192.168.0.46	200.145.1.3	ESP	158	ESP (SPI=0xcc6489688)
112	12.430768	2001:4808:486...	2804:14d:3283...	UDP	96	19305 → 50112 Len=34
113	12.446434	192.168.0.46	224.0.0.252	IGMPv3	62	Membership Report / Join group 224.0.0.252 for any sources / Join group 224.0.0.251 for any sources
114	12.446872	192.168.0.46	200.145.1.3	ESP	142	ESP (SPI=0xcc6489688)
115	12.447238	fe80::153f:69...	ff02::16	ICMPv6	110	Multicast Listener Report Message v2
116	12.464971	200.145.1.3	192.168.0.46	ESP	286	ESP (SPI=0xcc60c323c)
117	12.465885	192.168.0.46	200.145.1.3	ESP	142	ESP (SPI=0xcc6489688)
118	12.613314	200.145.1.3	192.168.0.46	ESP	142	ESP (SPI=0xcc60c323c)
119	12.613537	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xcc6489688)
120	12.613725	192.168.0.46	200.145.1.3	ESP	238	ESP (SPI=0xcc6489688)
121	12.753917	200.145.1.3	192.168.0.46	ESP	126	ESP (SPI=0xcc60c323c)
122	12.753917	200.145.1.3	192.168.0.46	ESP	670	ESP (SPI=0xcc60c323c)
123	12.753917	200.145.1.3	192.168.0.46	ESP	126	ESP (SPI=0xcc60c323c)
124	12.754111	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xcc6489688)
125	12.754186	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xcc6489688)
126	12.789683	192.168.0.46	200.145.1.3	ESP	158	ESP (SPI=0xcc6489688)
127	12.789747	2804:14d:3283...	2804:14d:1:0::...	DNS	102	Standard query 0x2d86 A client.wns.windows.com
128	12.789699	2804:14d:3283...	2804:14d:1:0::...	DNS	102	Standard query 0x57ce AAAA client.wns.windows.com
129	12.813514	2804:14d:1:0::...	2804:14d:3283...	DNS	203	Standard query response 0x57ce AAAA client.wns.windows.com CNAME wns.notify.trafficmanager.net SOA tw1.dns-tm.com
130	12.813514	2804:14d:1:0::...	2804:14d:3283...	DNS	161	Standard query response 0x2d86 A client.wns.windows.com CNAME wns.notify.trafficmanager.net A 20.197.71.89
131	12.823375	192.168.0.46	200.145.1.3	ESP	190	ESP (SPI=0xcc6489688)
132	12.823440	192.168.0.46	200.145.1.3	ESP	190	ESP (SPI=0xcc6489688)
133	12.823472	192.168.0.46	200.145.1.3	ESP	190	ESP (SPI=0xcc6489688)
134	12.892698	200.145.1.3	192.168.0.46	ESP	126	ESP (SPI=0xcc60c323c)
135	12.927493	200.145.1.3	192.168.0.46	ESP	222	ESP (SPI=0xcc60c323c)
136	12.928221	192.168.0.46	200.145.1.3	ESP	142	ESP (SPI=0xcc6489688)
137	13.091218	fe80::8e44:4f...	ff02::fb	ICMPv6	90	Multicast Listener Query
138	13.389728	200.145.1.3	192.168.0.46	ESP	142	ESP (SPI=0xcc60c323c)
139	13.390179	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xcc6489688)
140	13.391079	192.168.0.46	200.145.1.3	ESP	318	ESP (SPI=0xcc6489688)
141	13.428526	2001:4808:486...	2804:14d:3283...	UDP	96	19305 → 50112 Len=34

> Frame 111: 158 bytes on wire (1264 bits), 158 bytes captured (1264 bits) on interface \Device\NPF_{F0C8C6E7-A77B-4279-8036-000908512809}, id 0
 > Ethernet II, Src: IntelCor_42:62:4c: (64:32:a8:42:62:4c), Dst: HUPAX_e0:41:4b: (8c:44:4f:e0:41:4b)
 > Internet Protocol Version 4, Src: 192.168.0.46, Dst: 200.145.1.3
 > User Datagram Protocol, Src Port: 4500, Dst Port: 4500
 > UDP Encapsulation of IPsec Packets
 > Encapsulating Security Payload

No.	Time	Source	Destination	Protocol	Length	Info
142	13.451202	fe80::153f:69...	ff02::16	ICMPv6	90	Multicast Listener Report Message v2
143	13.581176	192.168.0.46	200.145.1.3	ESP	190	ESP (SPI=0xcc6489688)
144	13.581342	192.168.0.46	200.145.1.3	ESP	190	ESP (SPI=0xcc6489688)
145	13.581444	192.168.0.46	200.145.1.3	ESP	190	ESP (SPI=0xcc6489688)
146	13.855451	200.145.1.3	192.168.0.46	ESP	1486	ESP (SPI=0xcc60c323c)
147	13.855451	200.145.1.3	192.168.0.46	ESP	222	ESP (SPI=0xcc60c323c)
148	13.855451	200.145.1.3	192.168.0.46	ESP	1486	ESP (SPI=0xcc60c323c)
149	13.855451	200.145.1.3	192.168.0.46	ESP	222	ESP (SPI=0xcc60c323c)
150	13.856022	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xcc6489688)
151	13.856142	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xcc6489688)
152	13.856493	200.145.1.3	192.168.0.46	ESP	1118	ESP (SPI=0xcc60c323c)
153	13.861324	192.168.0.46	200.145.1.3	ESP	286	ESP (SPI=0xcc6489688)
154	14.315317	2804:14d:3283...	2804:14d:1:0::...	DNS	112	Standard query 0x1834 A geo.prod.do.dsp.mp.microsoft.com
155	14.315540	192.168.0.46	200.145.1.3	ESP	158	ESP (SPI=0xcc6489688)
156	14.315550	2804:14d:3283...	2804:14d:1:0::...	DNS	112	Standard query 0x1fc5 AAAA geo.prod.do.dsp.mp.microsoft.com
157	14.324892	200.145.1.3	192.168.0.46	ESP	174	ESP (SPI=0xcc60c323c)
158	14.331721	192.168.0.46	200.145.1.3	ESP	478	ESP (SPI=0xcc6489688)
159	14.331872	192.168.0.46	200.145.1.3	ESP	1230	ESP (SPI=0xcc6489688)
160	14.331941	192.168.0.46	200.145.1.3	ESP	238	ESP (SPI=0xcc6489688)
161	14.338735	192.168.0.46	200.145.1.3	ESP	190	ESP (SPI=0xcc6489688)
162	14.338856	192.168.0.46	200.145.1.3	ESP	190	ESP (SPI=0xcc6489688)
163	14.338921	192.168.0.46	200.145.1.3	ESP	190	ESP (SPI=0xcc6489688)
164	14.340084	2804:14d:1:0::...	2804:14d:3283...	DNS	199	Standard query response 0x1834 A geo.prod.do.dsp.mp.microsoft.com CNAME geo.prod.do.dsp.trafficmanager.net CNAME array610.prod.do.dsp.mp.micros...
165	14.340084	2804:14d:1:0::...	2804:14d:3283...	DNS	256	Standard query response 0x1fc5 AAAA geo.prod.do.dsp.mp.microsoft.com CNAME geo.prod.do.dsp.trafficmanager.net CNAME array611.prod.do.dsp.mp.mic...
166	14.420841	2001:4808:486...	2804:14d:3283...	UDP	96	19305 → 50112 Len=34
167	14.455153	200.145.1.3	192.168.0.46	ESP	254	ESP (SPI=0xcc60c323c)
168	14.456870	192.168.0.46	200.145.1.3	ESP	142	ESP (SPI=0xcc6489688)
169	14.465224	192.168.0.46	200.145.1.3	ESP	414	ESP (SPI=0xcc6489688)
170	14.557843	IntelCor_42:6...	Broadcast	ARP	42	who has 192.168.0.1? Tell 192.168.0.46
171	14.566434	HUPAX_e0:41:4b	IntelCor_42:6...	ARP	60	192.168.0.1 is at 8c:44:4f:e0:41:4b
172	14.777069	200.145.1.3	192.168.0.46	ESP	142	ESP (SPI=0xcc60c323c)

> Frame 142: 90 bytes on wire (720 bits), 90 bytes captured (720 bits) on interface \Device\NPF_{F0C8C6E7-A77B-4279-8036-000908512809}, id 0
 > Ethernet II, Src: IntelCor_42:62:4c: (64:32:a8:42:62:4c), Dst: IPv6mcast_16 (33:33:00:00:00:16)
 > Internet Protocol Version 6, Src: fe80::153f:6960:fb78:dc57, Dst: ff02::16
 > Internet Control Message Protocol v6

No.	Time	Source	Destination	Protocol	Length	Info
172	14.777069	200.145.1.3	192.168.0.46	ESP	142	ESP (SPI=0xc60c323c)
173	14.778117	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xc6489688)
174	14.780687	192.168.0.46	200.145.1.3	ESP	350	ESP (SPI=0xc6489688)
175	14.794609	200.145.1.3	192.168.0.46	ESP	414	ESP (SPI=0xc60c323c)
176	14.801767	200.145.1.3	192.168.0.46	ESP	126	ESP (SPI=0xc60c323c)
177	14.801767	200.145.1.3	192.168.0.46	ESP	222	ESP (SPI=0xc60c323c)
178	14.801767	200.145.1.3	192.168.0.46	ESP	222	ESP (SPI=0xc60c323c)
179	14.802103	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xc6489688)
180	14.855682	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xc6489688)
181	14.972866	192.168.0.46	200.145.1.3	ESP	222	ESP (SPI=0xc6489688)
182	15.000436	2001:4860:486...	2804:14d:3283...	DTLSv...	119	Application Data
183	15.103646	200.145.1.3	192.168.0.46	ESP	1486	ESP (SPI=0xc60c323c)
184	15.103646	200.145.1.3	192.168.0.46	ESP	1198	ESP (SPI=0xc60c323c)
185	15.103808	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xc6489688)
186	15.108959	192.168.0.46	200.145.1.3	ESP	286	ESP (SPI=0xc6489688)
187	15.420497	2001:4860:486...	2804:14d:3283...	UDP	96	19305 + 50112 Len=34
188	15.420497	200.145.1.3	192.168.0.46	ESP	174	ESP (SPI=0xc60c323c)
189	15.420497	200.145.1.3	192.168.0.46	ESP	190	ESP (SPI=0xc60c323c)
190	15.420828	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xc6489688)
191	15.421095	192.168.0.46	200.145.1.3	ESP	222	ESP (SPI=0xc6489688)
192	15.422148	192.168.0.46	200.145.1.3	ESP	158	ESP (SPI=0xc6489688)
193	15.422225	192.168.0.46	200.145.1.3	ESP	302	ESP (SPI=0xc6489688)
194	15.452222	fe80::153f:69...	fe80::8e44:4f...	ICMPv6	86	Neighbor Solicitation for fe80::8e44:4fff:fee0:414b from 64:32:a8:42:62:4c
195	15.452363	200.145.1.3	192.168.0.46	ESP	254	ESP (SPI=0xc60c323c)
196	15.465915	fe80::8e44:4f...	fe80::153f:69...	ICMPv6	78	Neighbor Advertisement fe80::8e44:4fff:fee0:414b (rtr, sol)
197	15.500842	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xc6489688)
198	15.688035	192.168.0.46	200.145.1.3	ESP	158	ESP (SPI=0xc6489688)
199	15.739289	200.145.1.3	192.168.0.46	ESP	158	ESP (SPI=0xc6489688)
200	15.739289	200.145.1.3	192.168.0.46	ESP	126	ESP (SPI=0xc60c323c)
201	15.739289	200.145.1.3	192.168.0.46	ESP	718	ESP (SPI=0xc60c323c)
202	15.739795	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xc6489688)

> Frame 172: 142 bytes on wire (1136 bits), 142 bytes captured (1136 bits) on interface \Device\NPF_{F0C0C6E7-A778-4279-8036-0009D8512809}, id 0
 > Ethernet II, Src: HUIWAX_e0:41:4b (8c:4d:4f:e0:41:4b), Dst: IntelCor_42:62:4c (64:32:a8:42:62:4c)
 > Internet Protocol Version 4, Src: 200.145.1.3, Dst: 192.168.0.46
 > User Datagram Protocol, Src Port: 4500, Dst Port: 4500
 > UDP Encapsulation of IPsec Packets
 > Encapsulating Security Payload

No.	Time	Source	Destination	Protocol	Length	Info
202	15.739795	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xc6489688)
203	15.744432	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xc6489688)
204	15.748105	2804:14d:3283...	2804:14d:1:0::...	DNS	114	Standard query 0x493c A kv501.prod.do.dsp.mp.microsoft.com
205	15.748212	2804:14d:3283...	2804:14d:1:0::...	DNS	114	Standard query 0xac5a AAAA kv501.prod.do.dsp.mp.microsoft.com
206	15.748255	192.168.0.46	200.145.1.3	ESP	174	ESP (SPI=0xc6489688)
207	15.769889	2804:14d:1:0::...	2804:14d:3283...	DNS	224	Standard query response 0x493c A kv501.prod.do.dsp.mp.microsoft.com CNAME kv501.prod.do.dsp.mp.microsoft.com.edgekey.net CNAME e10370.g.akamaie...
208	15.769889	2804:14d:1:0::...	2804:14d:3283...	DNS	266	Standard query response 0xac5a AAAA kv501.prod.do.dsp.mp.microsoft.com CNAME kv501.prod.do.dsp.mp.microsoft.com.edgekey.net CNAME e10370.g.akam...
209	15.896389	200.145.1.3	192.168.0.46	ESP	270	ESP (SPI=0xc60c323c)
210	15.897697	192.168.0.46	200.145.1.3	ESP	142	ESP (SPI=0xc6489688)
211	16.035529	200.145.1.3	192.168.0.46	ESP	142	ESP (SPI=0xc60c323c)
212	16.035798	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xc6489688)
213	16.036098	192.168.0.46	200.145.1.3	ESP	350	ESP (SPI=0xc6489688)
214	16.059918	200.145.1.3	192.168.0.46	ESP	126	ESP (SPI=0xc60c323c)
215	16.060158	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xc6489688)
216	16.180420	200.145.1.3	192.168.0.46	ESP	126	ESP (SPI=0xc60c323c)
217	16.180420	200.145.1.3	192.168.0.46	ESP	1486	ESP (SPI=0xc60c323c)
218	16.180420	200.145.1.3	192.168.0.46	ESP	1486	ESP (SPI=0xc60c323c)
219	16.180420	200.145.1.3	192.168.0.46	ESP	1486	ESP (SPI=0xc60c323c)
220	16.180420	200.145.1.3	192.168.0.46	ESP	142	ESP (SPI=0xc60c323c)
221	16.180804	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xc6489688)
222	16.180893	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xc6489688)
223	16.317104	200.145.1.3	192.168.0.46	ESP	1486	ESP (SPI=0xc60c323c)
224	16.317104	200.145.1.3	192.168.0.46	ESP	494	ESP (SPI=0xc60c323c)
225	16.317399	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xc6489688)
226	16.320630	192.168.0.46	200.145.1.3	ESP	254	ESP (SPI=0xc6489688)
227	16.368722	fe80::8e44:4f...	ff02::1	ICMPv6	100	Router Advertisement from 8c:4d:4f:e0:41:4b
228	16.412162	192.168.0.46	200.145.1.3	ESP	414	ESP (SPI=0xc6489688)
229	16.420503	2001:4860:486...	2804:14d:3283...	UDP	96	19305 + 50112 Len=34
230	16.445612	192.168.0.46	200.145.1.3	ESP	158	ESP (SPI=0xc6489688)
231	16.456843	200.145.1.3	192.168.0.46	ESP	126	ESP (SPI=0xc60c323c)
232	16.456843	200.145.1.3	192.168.0.46	ESP	398	ESP (SPI=0xc60c323c)

> Frame 202: 126 bytes on wire (1008 bits), 126 bytes captured (1008 bits) on interface \Device\NPF_{F0C0C6E7-A778-4279-8036-0009D8512809}, id 0
 > Ethernet II, Src: IntelCor_42:62:4c (64:32:a8:42:62:4c), Dst: HUIWAX_e0:41:4b (8c:4d:4f:e0:41:4b)
 > Internet Protocol Version 4, Src: 192.168.0.46, Dst: 200.145.1.3
 > User Datagram Protocol, Src Port: 4500, Dst Port: 4500
 > UDP Encapsulation of IPsec Packets
 > Encapsulating Security Payload

No.	Time	Source	Destination	Protocol	Length	Info
233	16.458090	192.168.0.46	200.145.1.3	ESP	462	ESP (SPI=0xc6489688)
234	16.597613	200.145.1.3	192.168.0.46	ESP	126	ESP (SPI=0xc60c323c)
235	16.597613	200.145.1.3	192.168.0.46	ESP	1182	ESP (SPI=0xc60c323c)
236	16.603101	2804:14d:3283...	2804:14d:1:0::...	DNS	114	Standard query 0x17b7 A cp501.prod.do.dsp.mp.microsoft.com
237	16.603186	2804:14d:3283...	2804:14d:1:0::...	DNS	114	Standard query 0xc07e AAAA cp501.prod.do.dsp.mp.microsoft.com
238	16.603222	192.168.0.46	200.145.1.3	ESP	174	ESP (SPI=0xc6489688)
239	16.620330	2804:14d:1:0::...	2804:14d:3283...	DNS	224	Standard query response 0x17b7 A cp501.prod.do.dsp.mp.microsoft.com CNAME cp501.prod.do.dsp.mp.microsoft.com.edgekey.net CNAME e10370.g.akamaie...
240	16.628338	2804:14d:1:0::...	2804:14d:3283...	DNS	266	Standard query response 0xc07e AAAA cp501.prod.do.dsp.mp.microsoft.com CNAME cp501.prod.do.dsp.mp.microsoft.com.edgekey.net CNAME e10370.g.akam...
241	16.652932	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xc6489688)
242	16.716041	192.168.0.1	224.0.0.1	IGMPv3	60	Membership Query, general
243	16.744798	200.145.1.3	192.168.0.46	ESP	270	ESP (SPI=0xc60c323c)
244	16.745820	192.168.0.46	200.145.1.3	ESP	142	ESP (SPI=0xc6489688)
245	16.778339	fe80::8e44:4f...	ff02::1	ICMPv6	90	Multicast Listener Query
246	16.887015	200.145.1.3	192.168.0.46	ESP	142	ESP (SPI=0xc60c323c)
247	16.887813	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xc6489688)
248	16.888467	192.168.0.46	200.145.1.3	ESP	350	ESP (SPI=0xc6489688)
249	16.959968	fe80::153f:69...	ff02::16	ICMPv6	110	Multicast Listener Report Message v2
250	17.029807	200.145.1.3	192.168.0.46	ESP	126	ESP (SPI=0xc60c323c)
251	17.029807	200.145.1.3	192.168.0.46	ESP	1486	ESP (SPI=0xc60c323c)
252	17.029807	200.145.1.3	192.168.0.46	ESP	1486	ESP (SPI=0xc60c323c)
253	17.029807	200.145.1.3	192.168.0.46	ESP	1486	ESP (SPI=0xc60c323c)
254	17.029807	200.145.1.3	192.168.0.46	ESP	142	ESP (SPI=0xc60c323c)
255	17.030063	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xc6489688)
256	17.030155	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xc6489688)
257	17.166355	200.145.1.3	192.168.0.46	ESP	1486	ESP (SPI=0xc60c323c)
258	17.166355	200.145.1.3	192.168.0.46	ESP	494	ESP (SPI=0xc60c323c)
259	17.166541	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xc6489688)
260	17.167098	192.168.0.46	200.145.1.3	ESP	254	ESP (SPI=0xc6489688)
261	17.197419	192.168.0.46	200.145.1.3	ESP	158	ESP (SPI=0xc6489688)
262	17.304113	200.145.1.3	192.168.0.46	ESP	126	ESP (SPI=0xc60c323c)
263	17.304113	200.145.1.3	192.168.0.46	ESP	398	ESP (SPI=0xc60c323c)

> Frame 233: 462 bytes on wire (3696 bits), 462 bytes captured (3696 bits) on interface \Device\NPF_{F0C0C6E7-A778-4279-8036-0009D8512809}, id 0
 > Ethernet II, Src: IntelCor_42:62:4c (64:32:a8:42:62:4c), Dst: HUIWAX_e0:41:4b (8c:4d:4f:e0:41:4b)
 > Internet Protocol Version 4, Src: 192.168.0.46, Dst: 200.145.1.3
 > User Datagram Protocol, Src Port: 4500, Dst Port: 4500
 > UDP Encapsulation of IPsec Packets
 > Encapsulating Security Payload

No.	Time	Source	Destination	Protocol	Length	Info
264	17.304962	192.168.0.46	200.145.1.3	ESP	686	ESP (SPI=0xcc6489688)
265	17.420204	2001:4860:486...	2804:14d:3283...	UDP	96	19305 → 50112 Len=34
266	17.442218	200.145.1.3	192.168.0.46	ESP	126	ESP (SPI=0xcc60c323c)
267	17.442218	200.145.1.3	192.168.0.46	ESP	798	ESP (SPI=0xcc60c323c)
268	17.456257	2804:14d:3283...	2804:14d:1:0::...	DNS	116	Standard query 0x3c01 A disc501.prod.do.dsp.mp.microsoft.com
269	17.456358	2804:14d:3283...	2804:14d:1:0::...	DNS	116	Standard query 0x0984 AAAA disc501.prod.do.dsp.mp.microsoft.com
270	17.456479	192.168.0.46	200.145.1.3	ESP	174	ESP (SPI=0xcc6489688)
271	17.480936	2804:14d:1:0::...	2804:14d:3283...	DNS	228	Standard query response 0x3c01 A disc501.prod.do.dsp.mp.microsoft.com CNAME disc501.prod.do.dsp.mp.microsoft.com.edgekey.net CNAME e10370.g.ak...
272	17.480936	2804:14d:1:0::...	2804:14d:3283...	DNS	270	Standard query response 0x0984 AAAA disc501.prod.do.dsp.mp.microsoft.com CNAME disc501.prod.do.dsp.mp.microsoft.com.edgekey.net CNAME e10370.g...
273	17.483328	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xcc6489688)
274	17.593572	200.145.1.3	192.168.0.46	ESP	286	ESP (SPI=0xcc60c323c)
275	17.594622	192.168.0.46	200.145.1.3	ESP	142	ESP (SPI=0xcc6489688)
276	17.731356	200.145.1.3	192.168.0.46	ESP	142	ESP (SPI=0xcc60c323c)
277	17.731540	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xcc6489688)
278	17.732200	192.168.0.46	200.145.1.3	ESP	350	ESP (SPI=0xcc6489688)
279	17.875187	200.145.1.3	192.168.0.46	ESP	126	ESP (SPI=0xcc60c323c)
280	17.875187	200.145.1.3	192.168.0.46	ESP	1486	ESP (SPI=0xcc60c323c)
281	17.875187	200.145.1.3	192.168.0.46	ESP	1486	ESP (SPI=0xcc60c323c)
282	17.875187	200.145.1.3	192.168.0.46	ESP	1486	ESP (SPI=0xcc60c323c)
283	17.875187	200.145.1.3	192.168.0.46	ESP	142	ESP (SPI=0xcc60c323c)
284	17.875439	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xcc6489688)
285	17.875532	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xcc6489688)
286	17.887718	HUMAX_e0:41:4b	IntelCor_42:6:	ARP	60	who has 192.168.0.46? Tell 192.168.0.1
287	17.887732	IntelCor_42:6:	HUMAX_e0:41:4b	ARP	42	192.168.0.46 is at 64:32:a8:42:62:4c
288	17.956466	192.168.0.46	192.168.0.255	NBNS	92	Name query NB WORKGROUP<1>
289	18.000839	2001:4860:486...	2804:14d:3283...	DTLSv...	119	Application Data
290	18.013283	200.145.1.3	192.168.0.46	ESP	1486	ESP (SPI=0xcc60c323c)
291	18.013283	200.145.1.3	192.168.0.46	ESP	404	ESP (SPI=0xcc60c323c)
292	18.013495	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xcc6489688)
293	18.014627	192.168.0.46	200.145.1.3	ESP	254	ESP (SPI=0xcc6489688)
294	18.156225	200.145.1.3	192.168.0.46	ESP	126	ESP (SPI=0xcc60c323c)

> Frame 264: 686 bytes on wire (5488 bits), 686 bytes captured (5488 bits) on interface \Device\NPF_{F0C0C6E7-A778-4279-8036-000908512B09}, id 0
 > Ethernet II, Src: IntelCor_42:62:4c (64:32:a8:42:62:4c), Dst: HUMAX_e0:41:4b (8c:44:4f:e0:41:4b)
 > Internet Protocol Version 4, Src: 192.168.0.46, Dst: 200.145.1.3
 > User Datagram Protocol, Src Port: 4500, Dst Port: 4500
 > UDP Encapsulation of IPsec Packets
 > Encapsulating Security Payload

No.	Time	Source	Destination	Protocol	Length	Info
295	18.156225	200.145.1.3	192.168.0.46	ESP	414	ESP (SPI=0xcc60c323c)
296	18.157021	192.168.0.46	200.145.1.3	ESP	654	ESP (SPI=0xcc6489688)
297	18.203431	200.145.1.3	192.168.0.46	ESP	126	ESP (SPI=0xcc60c323c)
298	18.421421	2001:4860:486...	2804:14d:3283...	UDP	96	19305 → 50112 Len=34
299	18.430108	200.145.1.3	192.168.0.46	ESP	542	ESP (SPI=0xcc60c323c)
300	18.480584	192.168.0.46	200.145.1.3	ESP	126	ESP (SPI=0xcc6489688)
301	18.717703	192.168.0.46	192.168.0.255	NBNS	92	Name query NB WORKGROUP<1>
302	18.955369	fe80::153f:69...	ff02::16	ICMPv6	90	Multicast Listener Report Message v2
303	19.449748	192.168.0.46	224.0.0.22	IGMPv3	54	Membership Report / Join group 224.0.0.251 for any sources
304	19.401018	192.168.0.46	192.168.0.255	NBNS	92	Name query NB WORKGROUP<1>
305	19.957458	192.168.0.46	224.0.0.22	IGMPv3	54	Membership Report / Join group 239.255.255.250 for any sources
306	20.292407	2804:14d:3283...	2804:14d:1:0::...	DNS	93	Standard query 0x33cc A kms.loli.beer
307	20.292511	2804:14d:3283...	2804:14d:1:0::...	DNS	93	Standard query 0x2778 AAAA kms.loli.beer
308	20.292576	192.168.0.46	200.145.1.3	ESP	142	ESP (SPI=0xcc6489688)
309	20.312905	2804:14d:1:0::...	2804:14d:3283...	DNS	150	Standard query response 0x2778 AAAA kms.loli.beer SOA ns1.he.net
310	20.312905	2804:14d:1:0::...	2804:14d:3283...	DNS	109	Standard query response 0x33cc A kms.loli.beer A 65.52.183.13
311	20.673914	200.145.1.3	192.168.0.46	ESP	158	ESP (SPI=0xcc60c323c)
312	20.959024	fe80::8e44:4f...	ff02::153f:69...	ICMPv6	86	Neighbor Solicitation for fe80::153f:6960:fb78:dc57 from 8c:44:4f:e0:41:4b
313	20.959108	fe80::153f:69...	ff02::16	ICMPv6	86	Neighbor Advertisement fe80::153f:6960:fb78:dc57 (sol, ovr) is at 64:32:a8:42:62:4c
314	22.250319	fe80::153f:69...	ff02::c	UDP	718	58271 → 3702 Len=656
315	22.251105	192.168.0.46	239.255.255.250	UDP	698	58270 → 3702 Len=656
316	22.251345	192.168.0.46	200.145.1.3	ESP	766	ESP (SPI=0xcc6489688)
317	22.392991	192.168.0.46	239.255.255.250	UDP	698	58270 → 3702 Len=656
318	22.393104	192.168.0.46	200.145.1.3	ESP	766	ESP (SPI=0xcc6489688)
319	22.424023	fe80::153f:69...	ff02::c	UDP	718	58271 → 3702 Len=656
320	22.662224	192.168.0.46	239.255.255.250	UDP	698	58270 → 3702 Len=656
321	22.662409	192.168.0.46	200.145.1.3	ESP	766	ESP (SPI=0xcc6489688)
322	22.772443	fe80::153f:69...	ff02::c	UDP	718	58271 → 3702 Len=656
323	23.200126	192.168.0.46	239.255.255.250	UDP	698	58270 → 3702 Len=656
324	23.200325	192.168.0.46	200.145.1.3	ESP	766	ESP (SPI=0xcc6489688)
325	23.405828	192.168.0.46	200.145.1.3	ESP	158	ESP (SPI=0xcc6489688)

> Frame 295: 414 bytes on wire (3312 bits), 414 bytes captured (3312 bits) on interface \Device\NPF_{F0C0C6E7-A778-4279-8036-000908512B09}, id 0
 > Ethernet II, Src: HUMAX_e0:41:4b (8c:44:4f:e0:41:4b), Dst: IntelCor_42:62:4c (64:32:a8:42:62:4c)
 > Internet Protocol Version 4, Src: 200.145.1.3, Dst: 192.168.0.46
 > User Datagram Protocol, Src Port: 4500, Dst Port: 4500
 > UDP Encapsulation of IPsec Packets
 > Encapsulating Security Payload

No.	Time	Source	Destination	Protocol	Length	Info
326	23.455349	fe80::153f:69...	ff02::c	UDP	718	58271 → 3702 Len=656
327	23.947231	192.168.0.46	224.0.0.22	IGMPv3	54	Membership Report / Join group 224.0.0.251 for any sources
328	23.947322	fe80::153f:69...	ff02::16	ICMPv6	90	Multicast Listener Report Message v2
329	24.168500	192.168.0.46	200.145.1.3	ESP	158	ESP (SPI=0xcc6489688)
330	24.264163	192.168.0.46	239.255.255.250	UDP	698	58270 → 3702 Len=656
331	24.264363	192.168.0.46	200.145.1.3	ESP	766	ESP (SPI=0xcc6489688)
332	24.453726	fe80::153f:69...	ff02::16	ICMPv6	90	Multicast Listener Report Message v2
333	24.805411	fe80::153f:69...	ff02::c	UDP	718	58271 → 3702 Len=656
334	24.931824	192.168.0.46	200.145.1.3	ESP	158	ESP (SPI=0xcc6489688)
335	25.454925	fe80::153f:69...	ff02::16	ICMPv6	90	Multicast Listener Report Message v2
336	25.567884	fe80::8e44:4f...	2804:14d:3283...	ICMPv6	86	Neighbor Solicitation for 2804:14d:3283:47e9:fiad:9c83:1569:8cf3 from 8c:44:4f:e0:41:4b
337	25.568093	2804:14d:3283...	fe80::8e44:4f...	ICMPv6	86	Neighbor Advertisement 2804:14d:3283:47e9:fiad:9c83:1569:8cf3 (sol, ovr) is at 64:32:a8:42:62:4c
338	25.693338	192.168.0.46	192.168.0.255	NBNS	92	Name query NB WORKGROUP<1>
339	26.278342	192.168.0.46	239.255.255.250	UDP	698	58270 → 3702 Len=656
340	26.278542	192.168.0.46	200.145.1.3	ESP	766	ESP (SPI=0xcc6489688)
341	26.450775	192.168.0.46	192.168.0.255	NBNS	92	Name query NB WORKGROUP<1>
342	26.813821	192.168.0.141	239.255.255.250	SSDP	167	M-SEARCH * HTTP/1.1
343	26.817035	fe80::153f:69...	ff02::c	UDP	718	58271 → 3702 Len=656
344	26.917390	192.168.0.141	239.255.255.250	SSDP	167	M-SEARCH * HTTP/1.1
345	27.018698	192.168.0.141	239.255.255.250	SSDP	164	M-SEARCH * HTTP/1.1
346	27.214027	192.168.0.46	192.168.0.255	NBNS	92	Name query NB WORKGROUP<1>
347	28.292345	192.168.0.46	239.255.255.250	UDP	698	58270 → 3702 Len=656
348	28.292670	192.168.0.46	200.145.1.3	ESP	766	ESP (SPI=0xcc6489688)
349	28.828781	fe80::153f:69...	ff02::c	UDP	718	58271 → 3702 Len=656
350	30.234186	192.168.0.46	200.145.1.3	ISAKMP	122	INFORMATIONAL MID=06 Initiator Request
351	30.260209	200.145.1.3	192.168.0.46	ISAKMP	122	INFORMATIONAL MID=06 Responder Response
352	30.676485	192.168.0.46	200.145.1.3	ESP	158	ESP (SPI=0xcc6489688)
353	30.704244	192.168.0.141	224.0.0.251	MDNS	103	Standard query 0x04c1 PTR _CASE812._sub._googlecast._tcp._local, "QM" question PTR _googlecast._tcp._local, "QM" question

> Frame 326: 718 bytes on wire (5744 bits), 718 bytes captured (5744 bits) on interface \Device\NPF_{F0C0C6E7-A778-4279-8036-000908512B09}, id 0
 > Ethernet II, Src: IntelCor_42:62:4c (64:32:a8:42:62:4c), Dst: IPV6cast_0c (33:33:00:00:00:0c)
 > Internet Protocol Version 6, Src: fe80::153f:6960:fb78:dc57, Dst: ff02::c
 > User Datagram Protocol, Src Port: 58271, Dst Port: 3702
 > Data (656 bytes)