No.	Time	Source	Destination	Protocol
47	3.144521	198.51.100.23	192.0.2.1	TCP
48	3.195755	192.0.2.1	198.51.100.23	TCP
49	3.246989	198.51.100.23	192.0.2.1	TCP
50	3.298223	198.51.100.23	192.0.2.1	HTTP
51	3.349457	192.0.2.1	198.51.100.23	HTTP
52	3.390692	203.0.113.0	192.0.2.1	TCP
53	3.441926	192.0.2.1	203.0.113.0	TCP
54	3.49316	203.0.113.0	192.0.2.1	TCP
55	3.544394	198.51.100.14	192.0.2.1	TCP
56	3.599628	192.0.2.1	198.51.100.14	TCP
57	3.664863	203.0.113.0	192.0.2.1	TCP
58	3.730097	198.51.100.14	192.0.2.1	TCP
59	3.795332	203.0.113.0	192.0.2.1	TCP
60	3.860567	198.51.100.14	192.0.2.1	HTTP
61	3.939499	203.0.113.0	192.0.2.1	TCP
62	4.018431	192.0.2.1	198.51.100.14	HTTP
63	4.097363	198.51.100.5	192.0.2.1	TCP
64	4.176295	192.0.2.1	203.0.113.0	TCP
65	4.255227	192.0.2.1	198.51.100.5	TCP
66	4.256159	203.0.113.0	192.0.2.1	TCP
67	5.235091	198.51.100.5	192.0.2.1	TCP
68	5.236023	203.0.113.0	192.0.2.1	TCP
69	5.236955	198.51.100.16	192.0.2.1	TCP
70	5.237887	203.0.113.0	192.0.2.1	TCP
71	6.228728	198.51.100.5	192.0.2.1	HTTP
72	6.229638	203.0.113.0	192.0.2.1	TCP
73	6.230548	192.0.2.1	198.51.100.16	TCP
74	6.330539	203.0.113.0	192.0.2.1	TCP
75	6.330885	198.51.100.7	192.0.2.1	TCP
76	6.331231	203.0.113.0	192.0.2.1	TCP
77	7.330577	192.0.2.1	198.51.100.5	TCP
78	7.351323	203.0.113.0	192.0.2.1	TCP
79	7.360768	198.51.100.22	192.0.2.1	TCP
80	7.380773	192.0.2.1	198.51.100.7	TCP
81	7.380878	203.0.113.0	192.0.2.1	TCP
82	7.383879	203.0.113.0	192.0.2.1	TCP
83	7.482754	192.0.2.1	203.0.113.0	TCP
84	7.581629	203.0.113.0	192.0.2.1	TCP
85	7.680504	192.0.2.1	198.51.100.22	TCP
86	7.709377	203.0.113.0	192.0.2.1	TCP
87	7.738241	203.0.113.0	192.0.2.1	TCP
88	7.767105	203.0.113.0	192.0.2.1	TCP
89	13.895969	192.0.2.1	203.0.113.0	TCP

90	13.919832	203.0.113.0	192.0.2.1	TCP
91	13.943695	203.0.113.0	192.0.2.1	TCP
92	13.967558	192.0.2.1	198.51.100.16	TCP
93	13.991421	203.0.113.0	192.0.2.1	TCP
94	14.015245	203.0.113.0	192.0.2.1	TCP
95	14.439072	192.0.2.1	203.0.113.0	TCP
96	14.862899	203.0.113.0	192.0.2.1	TCP
97	14.886727	198.51.100.9	192.0.2.1	TCP
98	15.310554	203.0.113.0	192.0.2.1	TCP
99	15.734381	203.0.113.0	192.0.2.1	TCP
100	16.158208	192.0.2.1	203.0.113.0	TCP
101	16.582035	203.0.113.0	192.0.2.1	TCP
102	17.005862	203.0.113.0	192.0.2.1	TCP
103	17.429678	192.0.2.1	203.0.113.0	TCP
104	17.452693	203.0.113.0	192.0.2.1	TCP
105	17.475708	203.0.113.0	192.0.2.1	TCP
106	17.498723	203.0.113.0	192.0.2.1	TCP
107	17.521738	203.0.113.0	192.0.2.1	TCP
108	17.544753	203.0.113.0	192.0.2.1	TCP
109	17.567768	192.0.2.1	203.0.113.0	TCP
110	17.590783	203.0.113.0	192.0.2.1	TCP
111	18.413795	203.0.113.0	192.0.2.1	TCP
112	18.436807	203.0.113.0	192.0.2.1	TCP
113	18.459819	203.0.113.0	192.0.2.1	TCP
114	18.482831	203.0.113.0	192.0.2.1	TCP
115	18.506655	203.0.113.0	192.0.2.1	TCP
116	18.529667	203.0.113.0	192.0.2.1	TCP
117	18.552679	192.0.2.1	203.0.113.0	TCP
118	18.875692	203.0.113.0	192.0.2.1	TCP
119	19.198705	203.0.113.0	192.0.2.1	TCP
120	19.521718	203.0.113.0	192.0.2.1	TCP
121	19.844731	192.0.2.1	198.51.100.9	TCP
122	20.167744	203.0.113.0	192.0.2.1	TCP
123	20.490757	203.0.113.0	192.0.2.1	TCP
124	20.81377	192.0.2.1	203.0.113.0	TCP
125	21.136783	203.0.113.0	192.0.2.1	TCP
126	21.459796	203.0.113.0	192.0.2.1	TCP
127	21.782809	203.0.113.0	192.0.2.1	TCP
128	22.105822	203.0.113.0	192.0.2.1	TCP
129	22.428835	203.0.113.0	192.0.2.1	TCP
130	22.751848	203.0.113.0	192.0.2.1	TCP
131	23.074861	203.0.113.0	192.0.2.1	TCP
132	23.397874	203.0.113.0	192.0.2.1	TCP
133	23.720887	203.0.113.0	192.0.2.1	TCP

134	24.0439	203.0.113.0	192.0.2.1	TCP
135	24.366913	203.0.113.0	192.0.2.1	TCP
136	24.689926	203.0.113.0	192.0.2.1	TCP
137	25.012939	203.0.113.0	192.0.2.1	TCP
138	25.335952	203.0.113.0	192.0.2.1	TCP
139	25.658965	203.0.113.0	192.0.2.1	TCP
140	25.981978	203.0.113.0	192.0.2.1	TCP
141	26.304991	203.0.113.0	192.0.2.1	TCP
142	26.628004	203.0.113.0	192.0.2.1	TCP
143	26.951017	203.0.113.0	192.0.2.1	TCP
144	27.27403	203.0.113.0	192.0.2.1	TCP
145	27.597043	203.0.113.0	192.0.2.1	TCP
146	27.920056	203.0.113.0	192.0.2.1	TCP
147	28.243069	203.0.113.0	192.0.2.1	TCP
148	28.566082	203.0.113.0	192.0.2.1	TCP
149	28.889095	203.0.113.0	192.0.2.1	TCP
150	29.212108	203.0.113.0	192.0.2.1	TCP
151	29.535121	203.0.113.0	192.0.2.1	TCP
152	29.858134	203.0.113.0	192.0.2.1	TCP
153	30.181147	203.0.113.0	192.0.2.1	TCP
154	30.50416	203.0.113.0	192.0.2.1	TCP
155	30.827173	203.0.113.0	192.0.2.1	TCP
156	31.150186	203.0.113.0	192.0.2.1	TCP
157	31.473199	203.0.113.0	192.0.2.1	TCP
158	31.796212	203.0.113.0	192.0.2.1	TCP
159	32.119225	203.0.113.0	192.0.2.1	TCP
160	32.442238	203.0.113.0	192.0.2.1	TCP
161	32.765251	203.0.113.0	192.0.2.1	TCP
162	33.088264	203.0.113.0	192.0.2.1	TCP
163	33.411277	203.0.113.0	192.0.2.1	TCP
164	33.73429	203.0.113.0	192.0.2.1	TCP
165	34.057303	203.0.113.0	192.0.2.1	TCP
166	34.380316	203.0.113.0	192.0.2.1	TCP
167	34.703329	203.0.113.0	192.0.2.1	TCP
168	35.026342	203.0.113.0	192.0.2.1	TCP
169	35.349355	203.0.113.0	192.0.2.1	TCP
170	35.672368	203.0.113.0	192.0.2.1	TCP
171	35.995381	203.0.113.0	192.0.2.1	TCP
172	36.318394	203.0.113.0	192.0.2.1	TCP
173	36.641407	203.0.113.0	192.0.2.1	TCP
174	36.96442	203.0.113.0	192.0.2.1	TCP
175	37.287433	203.0.113.0	192.0.2.1	TCP
176	37.610446	203.0.113.0	192.0.2.1	TCP
177	37.933459	203.0.113.0	192.0.2.1	TCP

178	38.256472	203.0.113.0	192.0.2.1	TCP
179	38.579485	203.0.113.0	192.0.2.1	TCP
180	38.902498	203.0.113.0	192.0.2.1	TCP
181	39.225511	203.0.113.0	192.0.2.1	TCP
182	39.548524	203.0.113.0	192.0.2.1	TCP
183	39.871537	203.0.113.0	192.0.2.1	TCP
184	40.19455	203.0.113.0	192.0.2.1	TCP
185	40.517563	203.0.113.0	192.0.2.1	TCP
186	40.840576	203.0.113.0	192.0.2.1	TCP
187	41.163589	203.0.113.0	192.0.2.1	TCP
188	41.486602	203.0.113.0	192.0.2.1	TCP
189	41.809615	203.0.113.0	192.0.2.1	TCP
190	42.132628	203.0.113.0	192.0.2.1	TCP
191	42.455641	203.0.113.0	192.0.2.1	TCP
192	42.778654	203.0.113.0	192.0.2.1	TCP
193	43.101667	203.0.113.0	192.0.2.1	TCP
194	43.42468	203.0.113.0	192.0.2.1	TCP
195	43.747693	203.0.113.0	192.0.2.1	TCP
196	44.070706	203.0.113.0	192.0.2.1	TCP
197	44.393719	203.0.113.0	192.0.2.1	TCP
198	44.716732	203.0.113.0	192.0.2.1	TCP
199	45.039745	203.0.113.0	192.0.2.1	TCP
200	45.362758	203.0.113.0	192.0.2.1	TCP
201	45.685771	203.0.113.0	192.0.2.1	TCP
202	46.008784	203.0.113.0	192.0.2.1	TCP
203	46.331797	203.0.113.0	192.0.2.1	TCP
204	46.65481	203.0.113.0	192.0.2.1	TCP
205	46.977823	203.0.113.0	192.0.2.1	TCP
206	47.300836	203.0.113.0	192.0.2.1	TCP
207	47.623849	203.0.113.0	192.0.2.1	TCP
208	47.946862	203.0.113.0	192.0.2.1	TCP
209	48.269875	203.0.113.0	192.0.2.1	TCP
210	48.592888	203.0.113.0	192.0.2.1	TCP
211	48.915901	203.0.113.0	192.0.2.1	TCP
212	49.238914	203.0.113.0	192.0.2.1	TCP
213	49.561927	203.0.113.0	192.0.2.1	TCP
214	49.88494	203.0.113.0	192.0.2.1	TCP
214	50.207953	203.0.113.0	192.0.2.1	TCP
214	50.530966	203.0.113.0	192.0.2.1	TCP
214	50.853979	203.0.113.0	192.0.2.1	TCP
214	51.176992	203.0.113.0	192.0.2.1	TCP
214	51.500005	203.0.113.0	192.0.2.1	TCP
214	51.823018	203.0.113.0	192.0.2.1	TCP

Info

```
42584->443 [SYN] Seq=0 Win-5792 Len=120...
443->42584 [SYN, ACK] Seq=0 Win-5792 Len=120...
42584->443 [ACK] Seq=1 Win-5792 Len=120...
GET  /sales.html HTTP/1.1
HTTP/1.1 200 OK (text/html)
54770->443 [SYN] Seq=0 Win=5792 Len=0...
443->54770 [SYN, ACK] Seq=0 Win-5792 Len=120...
54770->443 [ACK Seq=1 Win=5792 Len=0...
14785->443 [SYN] Seq=0 Win-5792 Len=120...
443->14785 [SYN, ACK] Seq=0 Win-5792 Len=120...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
14785->443 [ACK] Seq=1 Win-5792 Len=120...
54770->443 [SYN] Seq=0 Win-5792 Len=120...
GET  /sales.html HTTP/1.1
54770->443 [SYN] Seq=0 Win-5792 Len=120...
HTTP/1.1 200 OK (text/html)
33638->443 [SYN] Seq=0 Win-5792 Len=120...
443->54770 [SYN, ACK] Seq=0 Win-5792 Len=120...
443->33638 [SYN, ACK] Seq=0 Win-5792 Len=120...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
33638->443 [ACK] Seq=1 Win-5792 Len=120...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
32641->443 [SYN] Seq=0 Win-5792 Len=120...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
GET  /sales.html HTTP/1.1
54770->443 [SYN] Seq=0 Win=5792 Len=0...
443->32641 [RST, ACK] Seq=0 Win-5792 Len=120...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
42584->443 [SYN] Seq=0 Win=5792 Len=0...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
HTTP/1.1 504 Gateway Time-out (text/html)
54770->443 [SYN] Seq=0 Win=5792 Len=0...
6345->443 [SYN] Seq=0 Win=5792 Len=0...
443->42584 [RST, ACK] Seq=1 Win-5792 Len=120...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
443->54770 [RST, ACK] Seq=1 Win=5792 Len=0...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
443->6345 [RST, ACK] Seq=1 Win=5792 Len=0...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
443->54770 [RST, ACK] Seq=1 Win=5792 Len=0...
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54770->443 [SYN] Seq=0 Win=5792 Len=0...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
443->32641 [RST, ACK] Seq=1 Win-5792 Len=120...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
443->54770 [RST, ACK] Seq=1 Win=5792 Len=0...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
4631->443 [SYN] Seq=0 Win=5792 Len=0...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
443->54770 [RST, ACK] Seq=1 Win=5792 Len=0...
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443->54770 [RST, ACK] Seq=1 Win=5792 Len=0...
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443->54770 [RST, ACK] Seq=1 Win=5792 Len=0...
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54770->443 [SYN] Seq=0 Win=5792 Len=0...
443->4631 [RST, ACK] Seq=1 Win=5792 Len=0...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
443->54770 [RST, ACK] Seq=1 Win=5792 Len=0...
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54770->443 [SYN] Seq=0 Win=5792 Len=0...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
```

Color Coded TCP Log

Color Key:

green	Normal TCP connection handshakes
red	Attack activity
yellow	Normal TCP connections failing due to attack

Color as te	No.	& milliseconds)	Source	Destination	Protocol
green	47	3.144521	198.51.100.23	192.0.2.1	TCP
green	48	3.195755	192.0.2.1	198.51.100.23	TCP
green	49	3.246989	198.51.100.23	192.0.2.1	TCP
green	50	3.298223	198.51.100.23	192.0.2.1	HTTP
green	51	3.349457	192.0.2.1	198.51.100.23	HTTP
red	52	3.390692	203.0.113.0	192.0.2.1	TCP
red	53	3.441926	192.0.2.1	203.0.113.0	TCP
red	54	3.49316	203.0.113.0	192.0.2.1	TCP
green	55	3.544394	198.51.100.14	192.0.2.1	TCP
green	56	3.599628	192.0.2.1	198.51.100.14	TCP
red	57	3.664863	203.0.113.0	192.0.2.1	TCP
green	58	3.730097	198.51.100.14	192.0.2.1	TCP
red	59	3.795332	203.0.113.0	192.0.2.1	TCP
green	60	3.860567	198.51.100.14	192.0.2.1	HTTP
red	61	3.939499	203.0.113.0	192.0.2.1	TCP
green	62	4.018431	192.0.2.1	198.51.100.14	HTTP
green	63	4.097363	198.51.100.5	192.0.2.1	TCP
red	64	4.176295	192.0.2.1	203.0.113.0	TCP
green	65	4.255227	192.0.2.1	198.51.100.5	TCP
red	66	4.256159	203.0.113.0	192.0.2.1	TCP
green	67	5.235091	198.51.100.5	192.0.2.1	TCP
red	68	5.236023	203.0.113.0	192.0.2.1	TCP
green	69	5.236955	198.51.100.16	192.0.2.1	TCP
red	70	5.237887	203.0.113.0	192.0.2.1	TCP
green	71	6.228728	198.51.100.5	192.0.2.1	HTTP
red	72	6.229638	203.0.113.0	192.0.2.1	TCP
yellow	73	6.230548	192.0.2.1	198.51.100.16	TCP
red	74	6.330539	203.0.113.0	192.0.2.1	TCP
green	75	6.330885	198.51.100.7	192.0.2.1	TCP
red	76	6.331231	203.0.113.0	192.0.2.1	TCP
yellow	77	7.330577	192.0.2.1	198.51.100.5	TCP
red	78	7.351323	203.0.113.0	192.0.2.1	TCP
green	79	7.360768	198.51.100.22	192.0.2.1	TCP
yellow	80	7.380773	192.0.2.1	198.51.100.7	TCP
red	81	7.380878	203.0.113.0	192.0.2.1	TCP
red	82	7.383879	203.0.113.0	192.0.2.1	TCP
red	83	7.482754	192.0.2.1	203.0.113.0	TCP
red	84	7.581629	203.0.113.0	192.0.2.1	TCP
yellow	85	7.680504	192.0.2.1	198.51.100.22	TCP
red	86	7.709377	203.0.113.0	192.0.2.1	TCP

red	87	7.738241	203.0.113.0	192.0.2.1	TCP
red	88	7.767105	203.0.113.0	192.0.2.1	TCP
red	89	13.895969	192.0.2.1	203.0.113.0	TCP
red	90	13.919832	203.0.113.0	192.0.2.1	TCP
red	91	13.943695	203.0.113.0	192.0.2.1	TCP
yellow	92	13.967558	192.0.2.1	198.51.100.16	TCP
red	93	13.991421	203.0.113.0	192.0.2.1	TCP
red	94	14.015245	203.0.113.0	192.0.2.1	TCP
red	95	14.439072	192.0.2.1	203.0.113.0	TCP
red	96	14.862899	203.0.113.0	192.0.2.1	TCP
green	97	14.886727	198.51.100.9	192.0.2.1	TCP
red	98	15.310554	203.0.113.0	192.0.2.1	TCP
red	99	15.734381	203.0.113.0	192.0.2.1	TCP
red	100	16.158208	192.0.2.1	203.0.113.0	TCP
red	101	16.582035	203.0.113.0	192.0.2.1	TCP
red	102	17.005862	203.0.113.0	192.0.2.1	TCP
red	103	17.429678	192.0.2.1	203.0.113.0	TCP
red	104	17.452693	203.0.113.0	192.0.2.1	TCP
red	105	17.475708	203.0.113.0	192.0.2.1	TCP
red	106	17.498723	203.0.113.0	192.0.2.1	TCP
red	107	17.521738	203.0.113.0	192.0.2.1	TCP
red	108	17.544753	203.0.113.0	192.0.2.1	TCP
red	109	17.567768	192.0.2.1	203.0.113.0	TCP
red	110	17.590783	203.0.113.0	192.0.2.1	TCP
red	111	18.413795	203.0.113.0	192.0.2.1	TCP
red	112	18.436807	203.0.113.0	192.0.2.1	TCP
red	113	18.459819	203.0.113.0	192.0.2.1	TCP
red	114	18.482831	203.0.113.0	192.0.2.1	TCP
red	115	18.506655	203.0.113.0	192.0.2.1	TCP
red	116	18.529667	203.0.113.0	192.0.2.1	TCP
red	117	18.552679	192.0.2.1	203.0.113.0	TCP
red	118	18.875692	203.0.113.0	192.0.2.1	TCP
red	119	19.198705	203.0.113.0	192.0.2.1	TCP
red	120	19.521718	203.0.113.0	192.0.2.1	TCP
yellow	121	19.844731	192.0.2.1	198.51.100.9	TCP
red	122	20.167744	203.0.113.0	192.0.2.1	TCP
red	123	20.490757	203.0.113.0	192.0.2.1	TCP
red	124	20.81377	192.0.2.1	203.0.113.0	TCP
red	125	21.136783	203.0.113.0	192.0.2.1	TCP
red	126	21.459796	203.0.113.0	192.0.2.1	TCP
red	127	21.782809	203.0.113.0	192.0.2.1	TCP
red	128	22.105822	203.0.113.0	192.0.2.1	TCP
red	129	22.428835	203.0.113.0	192.0.2.1	TCP
red	130	22.751848	203.0.113.0	192.0.2.1	TCP
red	131	23.074861	203.0.113.0	192.0.2.1	TCP
red	132	23.397874	203.0.113.0	192.0.2.1	TCP
red	133	23.720887	203.0.113.0	192.0.2.1	TCP
red	134	24.0439	203.0.113.0	192.0.2.1	TCP
red	135	24.366913	203.0.113.0	192.0.2.1	TCP
red	136	24.689926	203.0.113.0	192.0.2.1	TCP
red	137	25.012939	203.0.113.0	192.0.2.1	TCP
red	138	25.335952	203.0.113.0	192.0.2.1	TCP
red	139	25.658965	203.0.113.0	192.0.2.1	TCP
red	140	25.981978	203.0.113.0	192.0.2.1	TCP

red 141	26.304991	203.0.113.0	192.0.2.1	TCP
red 142	26.628004	203.0.113.0	192.0.2.1	TCP
red 143	26.951017	203.0.113.0	192.0.2.1	TCP
red 144	27.27403	203.0.113.0	192.0.2.1	TCP
red 145	27.597043	203.0.113.0	192.0.2.1	TCP
red 146	27.920056	203.0.113.0	192.0.2.1	TCP
red 147	28.243069	203.0.113.0	192.0.2.1	TCP
red 148	28.566082	203.0.113.0	192.0.2.1	TCP
red 149	28.889095	203.0.113.0	192.0.2.1	TCP
red 150	29.212108	203.0.113.0	192.0.2.1	TCP
red 151	29.535121	203.0.113.0	192.0.2.1	TCP
red 152	29.858134	203.0.113.0	192.0.2.1	TCP
red 153	30.181147	203.0.113.0	192.0.2.1	TCP
red 154	30.50416	203.0.113.0	192.0.2.1	TCP
red 155	30.827173	203.0.113.0	192.0.2.1	TCP
red 156	31.150186	203.0.113.0	192.0.2.1	TCP
red 157	31.473199	203.0.113.0	192.0.2.1	TCP
red 158	31.796212	203.0.113.0	192.0.2.1	TCP
red 159	32.119225	203.0.113.0	192.0.2.1	TCP
red 160	32.442238	203.0.113.0	192.0.2.1	TCP
red 161	32.765251	203.0.113.0	192.0.2.1	TCP
red 162	33.088264	203.0.113.0	192.0.2.1	TCP
red 163	33.411277	203.0.113.0	192.0.2.1	TCP
red 164	33.73429	203.0.113.0	192.0.2.1	TCP
red 165	34.057303	203.0.113.0	192.0.2.1	TCP
red 166	34.380316	203.0.113.0	192.0.2.1	TCP
red 167	34.703329	203.0.113.0	192.0.2.1	TCP
red 168	35.026342	203.0.113.0	192.0.2.1	TCP
red 169	35.349355	203.0.113.0	192.0.2.1	TCP
red 170	35.672368	203.0.113.0	192.0.2.1	TCP
red 171	35.995381	203.0.113.0	192.0.2.1	TCP
red 172	36.318394	203.0.113.0	192.0.2.1	TCP
red 173	36.641407	203.0.113.0	192.0.2.1	TCP
red 174	36.96442	203.0.113.0	192.0.2.1	TCP
red 175	37.287433	203.0.113.0	192.0.2.1	TCP
red 176	37.610446	203.0.113.0	192.0.2.1	TCP
red 177	37.933459	203.0.113.0	192.0.2.1	TCP
red 178	38.256472	203.0.113.0	192.0.2.1	TCP
red 179	38.579485	203.0.113.0	192.0.2.1	TCP
red 180	38.902498	203.0.113.0	192.0.2.1	TCP
red 181	39.225511	203.0.113.0	192.0.2.1	TCP
red 182	39.548524	203.0.113.0	192.0.2.1	TCP
red 183	39.871537	203.0.113.0	192.0.2.1	TCP
red 184	40.19455	203.0.113.0	192.0.2.1	TCP
red 185	40.517563	203.0.113.0	192.0.2.1	TCP
red 186	40.840576	203.0.113.0	192.0.2.1	TCP
red 187	41.163589	203.0.113.0	192.0.2.1	TCP
red 188	41.486602	203.0.113.0	192.0.2.1	TCP
red 189	41.809615	203.0.113.0	192.0.2.1	TCP
red 190	42.132628	203.0.113.0	192.0.2.1	TCP
red 191	42.455641	203.0.113.0	192.0.2.1	TCP
red 192	42.778654	203.0.113.0	192.0.2.1	TCP
red 193	43.101667	203.0.113.0	192.0.2.1	TCP
red 194	43.42468	203.0.113.0	192.0.2.1	TCP

red 195	43.747693	203.0.113.0	192.0.2.1	TCP
red 196	44.070706	203.0.113.0	192.0.2.1	TCP
red 197	44.393719	203.0.113.0	192.0.2.1	TCP
red 198	44.716732	203.0.113.0	192.0.2.1	TCP
red 199	45.039745	203.0.113.0	192.0.2.1	TCP
red 200	45.362758	203.0.113.0	192.0.2.1	TCP
red 201	45.685771	203.0.113.0	192.0.2.1	TCP
red 202	46.008784	203.0.113.0	192.0.2.1	TCP
red 203	46.331797	203.0.113.0	192.0.2.1	TCP
red 204	46.65481	203.0.113.0	192.0.2.1	TCP
red 205	46.977823	203.0.113.0	192.0.2.1	TCP
red 206	47.300836	203.0.113.0	192.0.2.1	TCP
red 207	47.623849	203.0.113.0	192.0.2.1	TCP
red 208	47.946862	203.0.113.0	192.0.2.1	TCP
red 209	48.269875	203.0.113.0	192.0.2.1	TCP
red 210	48.592888	203.0.113.0	192.0.2.1	TCP
red 211	48.915901	203.0.113.0	192.0.2.1	TCP
red 212	49.238914	203.0.113.0	192.0.2.1	TCP
red 213	49.561927	203.0.113.0	192.0.2.1	TCP
red 214	49.88494	203.0.113.0	192.0.2.1	TCP
red 214	50.207953	203.0.113.0	192.0.2.1	TCP
red 214	50.530966	203.0.113.0	192.0.2.1	TCP
red 214	50.853979	203.0.113.0	192.0.2.1	TCP
red 214	51.176992	203.0.113.0	192.0.2.1	TCP
red 214	51.500005	203.0.113.0	192.0.2.1	TCP
red 214	51.823018	203.0.113.0	192.0.2.1	TCP

Info
42584->443 [SYN] Seq=0 Win-5792 Len=120...
443->42584 [SYN, ACK] Seq=0 Win-5792 Len=120...
42584->443 [ACK] Seq=1 Win-5792 Len=120...
GET /sales.html HTTP/1.1
HTTP/1.1 200 OK (text/html)
54770->443 [SYN] Seq=0 Win=5792 Len=0...
443->54770 [SYN, ACK] Seq=0 Win-5792 Len=120...
54770->443 [ACK Seq=1 Win=5792 Len=0...
14785->443 [SYN] Seq=0 Win-5792 Len=120...
443->14785 [SYN, ACK] Seq=0 Win-5792 Len=120...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
14785->443 [ACK] Seq=1 Win-5792 Len=120...
54770->443 [SYN] Seq=0 Win-5792 Len=120...
GET /sales.html HTTP/1.1
54770->443 [SYN] Seq=0 Win-5792 Len=120...
HTTP/1.1 200 OK (text/html)
33638->443 [SYN] Seq=0 Win-5792 Len=120...
443->54770 [SYN, ACK] Seq=0 Win-5792 Len=120...
443->33638 [SYN, ACK] Seq=0 Win-5792 Len=120...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
33638->443 [ACK] Seq=1 Win-5792 Len=120...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
32641->443 [SYN] Seq=0 Win-5792 Len=120...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
GET /sales.html HTTP/1.1
54770->443 [SYN] Seq=0 Win=5792 Len=0...
443->32641 [RST, ACK] Seq=0 Win-5792 Len=120...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
42584->443 [SYN] Seq=0 Win=5792 Len=0...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
HTTP/1.1 504 Gateway Time-out (text/html)
54770->443 [SYN] Seq=0 Win=5792 Len=0...
6345->443 [SYN] Seq=0 Win=5792 Len=0...
443->42584 [RST, ACK] Seq=1 Win-5792 Len=120...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
443->54770 [RST, ACK] Seq=1 Win=5792 Len=0...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
443->6345 [RST, ACK] Seq=1 Win=5792 Len=0...
54770->443 [SYN] Seq=0 Win=5792 Len=0...

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54770->443 [SYN] Seq=0 Win=5792 Len=0...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
443->54770 [RST, ACK] Seq=1 Win=5792 Len=0...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
443->32641 [RST, ACK] Seq=1 Win-5792 Len=120...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
443->54770 [RST, ACK] Seq=1 Win=5792 Len=0...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
4631->443 [SYN] Seq=0 Win=5792 Len=0...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
443->54770 [RST, ACK] Seq=1 Win=5792 Len=0...
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443->54770 [RST, ACK] Seq=1 Win=5792 Len=0...
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443->54770 [RST, ACK] Seq=1 Win=5792 Len=0...
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54770->443 [SYN] Seq=0 Win=5792 Len=0...
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54770->443 [SYN] Seq=0 Win=5792 Len=0...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
443->4631 [RST, ACK] Seq=1 Win=5792 Len=0...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
54770->443 [SYN] Seq=0 Win=5792 Len=0...
443->54770 [RST, ACK] Seq=1 Win=5792 Len=0...
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54770->443 [SYN] Seq=0 Win=5792 Len=0...
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Analyze network attacks

Section 1: Identify the type of attack that may have caused this network interruption

One potential explanation for the website's connection timeout error message is a DoS attack. The logs show that the web server stops responding after it is overloaded with SYN packet requests. This event could be a type of DoS attack called SYN flooding.

Section 2: Explain how the attack is causing the website malfunction

When the website visitors try to establish a connection with the web server, a three-way handshake occurs using the TCP protocol. The handshake consists of three steps:

1. A SYN packet is sent from the source to the destination, requesting to connect.
2. The destination replies to the source with a SYN-ACK packet to accept the connection request. The destination will reserve resources for the source to connect.
3. A final ACK packet is sent from the source to the destination acknowledging the permission to connect.

In the case of a SYN flood attack, a malicious actor will send a large number of SYN packets all at once, which overwhelms the server's available resources to reserve for the connection. When this happens, there are no server resources left for legitimate TCP connection requests.

The logs indicate that the web server has become overwhelmed and is unable to process the visitors' SYN requests. The server is unable to open a new connection to new visitors who receive a connection timeout message.