Wireshark Log

This log shows the progression from a normal TCP handshake and HTTP session into a SYN flood attack. Repeated SYN packets are sent without corresponding ACKs, leading to half-open connections. Eventually, the system responds with RST, ACK packets and HTTP 504 Gateway Timeout errors as it becomes unable to complete connections.

No.	Time (s)	Source	Destination	Protocol	Info
47	3.144521	198.51.100.23	192.0.2.1	TCP	42584->443 [SYN] Seq=0 Win=5792 Len=120
48	3.195755	192.0.2.1	198.51.100.23	TCP	443->42584 [SYN, ACK] Seq=0 Win=5792 Len=120
49	3.246989	198.51.100.23	192.0.2.1	TCP	42584->443 [ACK] Seq=1 Win=5792 Len=120
50	3.298223	198.51.100.23	192.0.2.1	HTTP	GET /sales.html HTTP/1.1
51	3.349457	192.0.2.1	198.51.100.23	HTTP	HTTP/1.1 200 OK (text/html)
52	3.390692	203.0.113.0	192.0.2.1	TCP	54770->443 [SYN] Seq=0 Win=5792 Len=0
53	3.441926	192.0.2.1	203.0.113.0	TCP	443->54770 [SYN, ACK] Seq=0 Win=5792 Len=120
54	3.493160	203.0.113.0	192.0.2.1	TCP	54770->443 [ACK] Seq=1 Win=5792 Len=0
55	3.544394	198.51.100.14	192.0.2.1	TCP	14785->443 [SYN] Seq=0 Win=5792 Len=0
56	3.599628	192.0.2.1	198.51.100.14	TCP	443->14785 [SYN, ACK] Seq=0 Win=5792 Len=120
57	3.664863	203.0.113.0	192.0.2.1	TCP	54770->443 [SYN] Seq=0 Win=5792 Len=0
58	3.730097	198.51.100.14	192.0.2.1	TCP	14785->443 [ACK] Seq=1 Win=5792 Len=0
59	3.795332	203.0.113.0	192.0.2.1	TCP	54770->443 [SYN] Seq=0 Win=5792 Len=0
60	3.860567	198.51.100.14	192.0.2.1	HTTP	GET /sales.html HTTP/1.1
61	3.939499	203.0.113.0	192.0.2.1	TCP	54770->443 [SYN] Seq=0 Win=5792 Len=0
62	4.018431	192.0.2.1	198.51.100.14	HTTP	HTTP/1.1 200 OK (text/html)
63	4.097363	198.51.100.5	192.0.2.1	TCP	33638->443 [SYN] Seq=0 Win=5792 Len=120
64	4.176295	192.0.2.1	203.0.113.0	TCP	443->54770 [SYN, ACK] Seq=0 Win=5792 Len=0
65	4.255227	192.0.2.1	198.51.100.5	TCP	443->33638 [SYN, ACK] Seq=0 Win=5792 Len=120
66	4.256159	203.0.113.0	192.0.2.1	TCP	54770->443 [ACK] Seq=1 Win=5792 Len=0
67	4.300001	203.0.113.0	192.0.2.1	TCP	54800->443 [SYN] Seq=0 Win=5792 Len=0
68	4.301501	203.0.113.0	192.0.2.1	TCP	54801->443 [SYN] Seq=0 Win=5792 Len=0
69	4.303002	203.0.113.0	192.0.2.1	TCP	54802->443 [SYN] Seq=0 Win=5792 Len=0
70	4.304503	203.0.113.0	192.0.2.1	TCP	54803->443 [SYN] Seq=0 Win=5792 Len=0
71	4.306004	203.0.113.0	192.0.2.1	TCP	54804->443 [SYN] Seq=0 Win=5792 Len=0
72	4.307505	203.0.113.0	192.0.2.1	TCP	54805->443 [SYN] Seq=0 Win=5792 Len=0
73	4.309006	203.0.113.0	192.0.2.1	TCP	54806->443 [SYN] Seq=0 Win=5792 Len=0
74	4.310204	203.0.113.0	192.0.2.1	TCP	54807->443 [SYN] Seq=0 Win=5792 Len=0
75	4.311171	203.0.113.0	192.0.2.1	TCP	54808->443 [SYN] Seq=0 Win=5792 Len=0
76	4.312602	203.0.113.0	192.0.2.1	TCP	54809->443 [SYN] Seq=0 Win=5792 Len=0
77	4.313816	203.0.113.0	192.0.2.1	TCP	54810->443 [SYN] Seq=0 Win=5792 Len=0
78	4.314800	203.0.113.0	192.0.2.1	TCP	54811->443 [SYN] Seq=0 Win=5792 Len=0
79	4.316043	203.0.113.0	192.0.2.1	TCP	54812->443 [SYN] Seq=0 Win=5792 Len=0
80	4.317192	203.0.113.0	192.0.2.1	TCP	54813->443 [SYN] Seq=0 Win=5792 Len=0
81	4.318140	203.0.113.0	192.0.2.1	TCP	54814->443 [SYN] Seq=0 Win=5792 Len=0
82	4.319344	203.0.113.0	192.0.2.1	TCP	54815->443 [SYN] Seq=0 Win=5792 Len=0
83	4.320256	203.0.113.0	192.0.2.1	TCP	54816->443 [SYN] Seq=0 Win=5792 Len=0
84	4.321724	203.0.113.0	192.0.2.1	TCP	54817->443 [SYN] Seq=0 Win=5792 Len=0

85	4.322628	203.0.113.0	192.0.2.1	TCP	54818->443 [SYN] Seq=0 Win=5792 Len=0
86	4.323458	203.0.113.0	192.0.2.1	TCP	54819->443 [SYN] Seq=0 Win=5792 Len=0
87	4.324298	203.0.113.0	192.0.2.1	TCP	54820->443 [SYN] Seq=0 Win=5792 Len=0
88	4.325694	203.0.113.0	192.0.2.1	TCP	54821->443 [SYN] Seq=0 Win=5792 Len=0
89	4.326662	203.0.113.0	192.0.2.1	TCP	54822->443 [SYN] Seq=0 Win=5792 Len=0
90	4.327955	203.0.113.0	192.0.2.1	TCP	54823->443 [SYN] Seq=0 Win=5792 Len=0
91	4.329360	203.0.113.0	192.0.2.1	TCP	54824->443 [SYN] Seq=0 Win=5792 Len=0
92	4.330451	203.0.113.0	192.0.2.1	TCP	54825->443 [SYN] Seq=0 Win=5792 Len=0
93	4.331263	203.0.113.0	192.0.2.1	TCP	54826->443 [SYN] Seq=0 Win=5792 Len=0
94	4.332426	203.0.113.0	192.0.2.1	TCP	54827->443 [SYN] Seq=0 Win=5792 Len=0
95	4.333869	203.0.113.0	192.0.2.1	TCP	54828->443 [SYN] Seq=0 Win=5792 Len=0
96	4.334881	203.0.113.0	192.0.2.1	TCP	54829->443 [SYN] Seq=0 Win=5792 Len=0
97	4.336103	203.0.113.0	192.0.2.1	TCP	54830->443 [SYN] Seq=0 Win=5792 Len=0
98	4.337443	203.0.113.0	192.0.2.1	TCP	54831->443 [SYN] Seq=0 Win=5792 Len=0
99	4.338705	203.0.113.0	192.0.2.1	TCP	54832->443 [SYN] Seq=0 Win=5792 Len=0
100	4.339561	203.0.113.0	192.0.2.1	TCP	54833->443 [SYN] Seq=0 Win=5792 Len=0
101	17.429678	192.0.2.1	203.0.113.0	TCP	443->54770 [RST, ACK] Seq=1 Win=5792 Len=0
102	18.510001	192.0.2.1	203.0.113.0	HTTP	HTTP/1.1 504 Gateway Time-out (text/html)