

## Sample Input in command line

```
# Fields: Date | Time | Action | Protocol | Src IP | Dst IP | Src Port | Dst Port | Size | TCP Flags | Info

2023-03-15 06:25:31 ALLOW TCP 192.168.1.105 93.184.216.34 44345 80 52 S - Client Hello

2023-03-15 06:26:45 BLOCK UDP 192.168.1.105 192.168.1.255 138 138 229 - - Local Broadcast

2023-03-15 06:27:02 ALLOW TCP 192.168.1.105 198.51.100.23 44346 443 60 S - Client Hello

2023-03-15 06:27:58 BLOCK TCP 192.168.1.105 203.0.113.5 44347 22 48 S - SSH Attempt

2023-03-15 06:28:16 ALLOW ICMP 192.168.1.105 8.8.8.8 - - 84 - - Echo request

2023-03-15 06:29:10 ALLOW UDP 192.168.1.105 8.8.4.4 53 53 72 - - DNS request

2023-03-15 06:30:05 BLOCK TCP 192.168.1.106 198.51.100.24 44348 80 52 S - Client Hello

2023-03-15 06:30:42 ALLOW TCP 192.168.1.107 192.168.1.200 44349 445 52 S - Internal Traffic

2023-03-15 06:31:19 BLOCK TCP 192.168.1.108 203.0.113.10 44350 1433 40 S - SQL Server Access Attempt

2023-03-15 06:32:00 ALLOW TCP 192.168.1.109 192.168.1.210 44351 22 60 S - Internal SSH Access

2023-03-15 06:33:45 BLOCK ICMP 192.168.1.110 10.10.10.10 - - 84 - - Destination Unreachable

2023-03-15 06:34:31 ALLOW TCP 192.168.1.111 192.168.1.220 44352 3306 52 S - Internal MySQL Access

2023-03-15 06:35:27 BLOCK UDP 192.168.1.112 192.168.1.230 44353 161 60 - - SNMP Access Attempt

# End of log
```

## Output

### Parsed Log Data Frame

	Date/Time	Action	Protocol	Source IP	Destination IP	Source Port	Destination Port	Size	flag	Info
0	2023-03-15 06:25:31	ALLOW	TCP	192.168.1.105	93.184.216.34	44345	80	52	S	Client Hello
1	2023-03-15 06:26:45	BLOCK	UDP	192.168.1.105	192.168.1.255	138	138	229	-	Local Broadcast
2	2023-03-15 06:27:02	ALLOW	TCP	192.168.1.105	198.51.100.23	44346	443	60	S	Client Hello
3	2023-03-15 06:27:58	BLOCK	TCP	192.168.1.105	203.0.113.5	44347	22	48	S	SSH Attempt
4	2023-03-15 06:28:16	ALLOW	ICMP	192.168.1.105	8.8.8.8	-	-	84	-	Echo request
5	2023-03-15 06:29:10	ALLOW	UDP	192.168.1.105	8.8.4.4	53	53	72	-	DNS request
6	2023-03-15 06:30:05	BLOCK	TCP	192.168.1.106	198.51.100.24	44348	80	52	S	Client Hello
7	2023-03-15 06:30:42	ALLOW	TCP	192.168.1.107	192.168.1.200	44349	445	52	S	Internal Traffic
8	2023-03-15 06:31:19	BLOCK	TCP	192.168.1.108	203.0.113.10	44350	1433	40	S	SQL Server Access Attempt
9	2023-03-15 06:32:00	ALLOW	TCP	192.168.1.109	192.168.1.210	44351	22	60	S	Internal SSH Access
10	2023-03-15 06:33:45	BLOCK	ICMP	192.168.1.110	10.10.10.10	-	-	84	-	Destination Unreachable
11	2023-03-15 06:34:31	ALLOW	TCP	192.168.1.111	192.168.1.220	44352	3306	52	S	Internal MySQL Access
12	2023-03-15 06:35:27	BLOCK	UDP	192.168.1.112	192.168.1.230	44353	161	60	-	SNMP Access Attempt

## Statistics

Statistics:  
Total Number of Entries in the Log: 13

#### Action Statistics:

	Count	count
0 ALLOW	7	
1 BLOCK	6	

#### Protocol Distribution:

	Count	count
0 TCP	8	
1 UDP	3	
2 ICMP	2	

#### Top Source IP Addresses:

	Count	count
0 192.168.1.105	6	
1 192.168.1.106	1	
2 192.168.1.107	1	
3 192.168.1.108	1	
4 192.168.1.109	1	

#### Top Destination IP Addresses:

	Count	count
0 93.184.216.34	1	
1 192.168.1.255	1	
2 198.51.100.23	1	
3 203.0.113.5	1	
4 8.8.8.8	1	

#### Top Blocked Ports:

	Count	count
0 138	1	
1 22	1	
2 80	1	
3 1433	1	
4 -	1	

Top Blocked Ports:

	Count	count
0	138	1
1	22	1
2	80	1
3	1433	1
4	-	1

Top Allowed Ports:

	Count	count
0	80	1
1	443	1
2	-	1
3	53	1
4	445	1

Destination IP and Action Statistics:

Destination IP	Action	Count
10.10.10.10	BLOCK	1
192.168.1.200	ALLOW	1
192.168.1.210	ALLOW	1
192.168.1.220	ALLOW	1
192.168.1.230	BLOCK	1
192.168.1.255	BLOCK	1
198.51.100.23	ALLOW	1
198.51.100.24	BLOCK	1
203.0.113.10	BLOCK	1
203.0.113.5	BLOCK	1
8.8.4.4	ALLOW	1
8.8.8.8	ALLOW	1
93.184.216.34	ALLOW	1