dst2src_stddev_ps <= 882.156
gini = 0.905
samples = 6087
value = [611, 589, 563, 585, 609, 580, 605, 567, 9, 23, 615
583, 115, 9, 24]
class = PortScan
True
False
src2dst_psh_packets <= 0.5
gini = 0.87
samples = 4345
value = [601, 589, 9, 24, 3, 578, 605, 567, 8, 23, 615
583, 113, 5, 22]
class = PortScan
bidirectional_syn_packets <= 0.5
gini = 0.489
samples = 1071
value = [456, 0, 0, 0, 0, 0, 0, 0, 0, 0, 615, 0, 0, 0
0]
class = PortScan
src2dst_bytes <= 62.5
gini = 0.107
samples = 475
value = [448, 0, 0, 0, 0, 0, 0, 0, 0, 0, 27, 0, 0, 0
0]
class = BENIGN
src2dst_last_seen_ms <= 409435033.0
gini = 0.492
samples = 57
value = [32, 0, 0, 0, 0, 0, 0, 0, 0, 0, 25, 0, 0, 0
0]
class = BENIGN
gini = -0.0
samples = 25
value = [25, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
bidirectional_last_seen_ms <= 426362018.5
gini = 0.342
samples = 32
value = [7, 0, 0, 0, 0, 0, 0, 0, 0, 0, 25, 0, 0, 0
0]
class = PortScan
gini = 0.0
samples = 24
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 24, 0, 0, 0
0]
class = PortScan
dst2src_rst_packets <= 0.5
gini = 0.219
samples = 8
value = [7, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0
0]
class = BENIGN
gini = 0.0
samples = 7
value = [7, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
gini = 0.0
samples = 1
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0
0]
class = PortScan
dst2src_ack_packets <= 0.5
gini = 0.01
samples = 418
value = [416, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0
0]
class = BENIGN
gini = 0.0
samples = 407
value = [407, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
bidirectional_max_ps <= 802.5
gini = 0.298
samples = 11
value = [9, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0
0]
class = BENIGN
gini = 0.0
samples = 9
value = [9, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
gini = 0.0
samples = 2
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0
0]
class = PortScan
src2dst_duration_ms <= 2581.0
gini = 0.026
samples = 596
value = [8, 0, 0, 0, 0, 0, 0, 0, 0, 0, 588, 0, 0, 0
0]
class = PortScan
gini = 0.0
samples = 588
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 588, 0, 0, 0
0]
class = PortScan
gini = 0.0
samples = 8
value = [8, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
src2dst_last_seen_ms <= 457999117.5
gini = 0.837
samples = 3274
value = [145, 589, 9, 24, 3, 578, 605, 567, 8, 23, 0, 583
113, 5, 22]
class = DoS slowloris
bidirectional_last_seen_ms <= 281820105.5
gini = 0.803
samples = 2657
value = [126, 0, 0, 24, 3, 578, 605, 567, 8, 23, 0, 583
113, 5, 22]
class = DoS slowloris
bidirectional_stddev_ps <= 16.754
gini = 0.546
samples = 1211
value = [61, 0, 0, 0, 0, 0, 0, 567, 0, 0, 0, 583, 0
0, 0]
class = SSH-Patator
bidirectional_last_seen_ms <= 188507064.0
gini = 0.004
samples = 568
value = [1, 0, 0, 0, 0, 0, 0, 567, 0, 0, 0, 0, 0, 0
0]
class = FTP-Patator
gini = 0.0
samples = 1
value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
gini = 0.0
samples = 567
value = [0, 0, 0, 0, 0, 0, 0, 567, 0, 0, 0, 0, 0, 0
0]
class = FTP-Patator
src2dst_psh_packets <= 8.5
gini = 0.169
samples = 643
value = [60, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 583, 0, 0
0]
class = SSH-Patator
bidirectional_fin_packets <= 0.5
gini = 0.092
samples = 62
value = [59, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 3, 0, 0
0]
class = BENIGN
gini = 0.0
samples = 3
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 3, 0, 0
0]
class = SSH-Patator
gini = 0.0
samples = 59
value = [59, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
bidirectional_packets <= 128.5
gini = 0.003
samples = 581
value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 580, 0, 0
0]
class = SSH-Patator
gini = -0.0
samples = 580
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 580, 0, 0
0]
class = SSH-Patator
gini = 0.0
samples = 1
value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
bidirectional_first_seen_ms <= 316769905.0
gini = 0.656
samples = 1446
value = [65, 0, 0, 24, 3, 578, 605, 0, 8, 23, 0, 0, 113
5, 22]
class = DoS slowloris
bidirectional_max_ps <= 445.5
gini = 0.026
samples = 613
value = [4, 0, 0, 0, 0, 4, 605, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS slowloris
dst2src_bytes <= 266.5
gini = 0.007
samples = 607
value = [2, 0, 0, 0, 0, 0, 605, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS slowloris
gini = 0.0
samples = 605
value = [0, 0, 0, 0, 0, 0, 605, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS slowloris
gini = 0.0
samples = 2
value = [2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
src2dst_psh_packets <= 2.0
gini = 0.444
samples = 6
value = [2, 0, 0, 0, 0, 4, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS Slowhttptest
gini = 0.0
samples = 4
value = [0, 0, 0, 0, 0, 4, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS Slowhttptest
gini = 0.0
samples = 2
value = [2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
bidirectional_last_seen_ms <= 318790961.5
gini = 0.499
samples = 833
value = [61, 0, 0, 24, 3, 574, 0, 0, 8, 23, 0, 0, 113
5, 22]
class = DoS Slowhttptest
dst2src_first_seen_ms <= 158475910.5
gini = 0.017
samples = 579
value = [5, 0, 0, 0, 0, 574, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS Slowhttptest
gini = 0.0
samples = 3
value = [3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
dst2src_ack_packets <= 7.5
gini = 0.007
samples = 576
value = [2, 0, 0, 0, 0, 574, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS Slowhttptest
gini = -0.0
samples = 574
value = [0, 0, 0, 0, 0, 574, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS Slowhttptest
gini = 0.0
samples = 2
value = [2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
dst2src_fin_packets <= 0.5
gini = 0.727
samples = 254
value = [56, 0, 0, 24, 3, 0, 0, 0, 8, 23, 0, 0, 113
5, 22]
class = Web Attack - Brute Force
bidirectional_last_seen_ms <= 325249050.0
gini = 0.704
samples = 100
value = [44, 0, 0, 22, 3, 0, 0, 0, 7, 22, 0, 0, 1, 0
1]
class = BENIGN
bidirectional_mean_piat_ms <= 10.571
gini = 0.211
samples = 25
value = [0, 0, 0, 22, 3, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS GoldenEye
gini = -0.0
samples = 22
value = [0, 0, 0, 22, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS GoldenEye
gini = 0.0
samples = 3
value = [0, 0, 0, 0, 3, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS Hulk
src2dst_stddev_ps <= 229.792
gini = 0.561
samples = 75
value = [44, 0, 0, 0, 0, 0, 0, 0, 7, 22, 0, 0, 1, 0
1]
class = BENIGN
bidirectional_duration_ms <= 119193.5
gini = 0.129
samples = 44
value = [41, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0
1]
class = BENIGN
src2dst_min_piat_ms <= 2039.5
gini = 0.09
samples = 43
value = [41, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0
1]
class = BENIGN
src2dst_stddev_ps <= 187.059
gini = 0.046
samples = 42
value = [41, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
1]
class = BENIGN
gini = 0.0
samples = 39
value = [39, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
dst2src_duration_ms <= 1.0
gini = 0.444
samples = 3
value = [2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
1]
class = BENIGN
gini = 0.0
samples = 1
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
1]
class = Web Attack - XSS
gini = 0.0
samples = 2
value = [2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
gini = 0.0
samples = 1
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0
0]
class = Infiltration
gini = 0.0
samples = 1
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0
0]
class = Infiltration
dst2src_mean_ps <= 68.365
gini = 0.522
samples = 31
value = [3, 0, 0, 0, 0, 0, 0, 0, 7, 20, 0, 0, 1, 0
0]
class = Infiltration
gini = -0.0
samples = 20
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 20, 0, 0, 0, 0
0]
class = Infiltration
dst2src_ack_packets <= 1396.5
gini = 0.512
samples = 11
value = [3, 0, 0, 0, 0, 0, 0, 0, 7, 0, 0, 0, 1, 0
0]
class = Heartbleed
src2dst_max_ps <= 831.5
gini = 0.375
samples = 4
value = [3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0
0]
class = BENIGN
gini = 0.0
samples = 1
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0
0]
class = Web Attack - Brute Force
gini = 0.0
samples = 3
value = [3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
gini = 0.0
samples = 7
value = [0, 0, 0, 0, 0, 0, 0, 0, 7, 0, 0, 0, 0, 0
0]
class = Heartbleed
bidirectional_stddev_ps <= 432.924
gini = 0.445
samples = 154
value = [12, 0, 0, 2, 0, 0, 0, 0, 1, 1, 0, 0, 112, 5
21]
class = Web Attack - Brute Force
bidirectional_first_seen_ms <= 403451724.5
gini = 0.099
samples = 117
value = [2, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 111, 2
1]
class = Web Attack - Brute Force
dst2src_last_seen_ms <= 359717093.0
gini = 0.035
samples = 113
value = [2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 111, 0
0]
class = Web Attack - Brute Force
gini = 0.0
samples = 2
value = [2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
gini = 0.0
samples = 111
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 111, 0
0]
class = Web Attack - Brute Force
dst2src_ack_packets <= 5.0
gini = 0.625
samples = 4
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 2
1]
class = Web Attack - Sql Injection
gini = 0.0
samples = 2
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2
0]
class = Web Attack - Sql Injection
src2dst_stddev_ps <= 37.011
gini = 0.5
samples = 2
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0
1]
class = Infiltration
gini = 0.0
samples = 1
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0
0]
class = Infiltration
gini = 0.0
samples = 1
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
1]
class = Web Attack - XSS
src2dst_duration_ms <= 49707.5
gini = 0.624
samples = 37
value = [10, 0, 0, 2, 0, 0, 0, 0, 1, 0, 0, 0, 1, 3
20]
class = Web Attack - XSS
src2dst_psh_packets <= 1.5
gini = 0.642
samples = 18
value = [10, 0, 0, 2, 0, 0, 0, 0, 1, 0, 0, 0, 1, 3
1]
class = BENIGN
dst2src_first_seen_ms <= 404149368.0
gini = 0.611
samples = 6
value = [0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 3
1]
class = Web Attack - Sql Injection
bidirectional_max_piat_ms <= 5001.0
gini = 0.444
samples = 3
value = [0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
1]
class = DoS GoldenEye
gini = 0.0
samples = 1
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
1]
class = Web Attack - XSS
gini = 0.0
samples = 2
value = [0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS GoldenEye
gini = 0.0
samples = 3
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 3
0]
class = Web Attack - Sql Injection
bidirectional_psh_packets <= 35.0
gini = 0.292
samples = 12
value = [10, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 1, 0
0]
class = BENIGN
gini = -0.0
samples = 10
value = [10, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
src2dst_duration_ms <= 24056.0
gini = 0.5
samples = 2
value = [0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 1, 0
0]
class = Heartbleed
gini = 0.0
samples = 1
value = [0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0
0]
class = Heartbleed
gini = 0.0
samples = 1
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0
0]
class = Web Attack - Brute Force
gini = 0.0
samples = 19
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
19]
class = Web Attack - XSS
src2dst_first_seen_ms <= 494961437.5
gini = 0.088
samples = 617
value = [19, 589, 9, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = Bot
bidirectional_bytes <= 506.5
gini = 0.003
samples = 590
value = [1, 589, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = Bot
gini = 0.0
samples = 1
value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
gini = 0.0
samples = 589
value = [0, 589, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = Bot
bidirectional_max_ps <= 4422.0
gini = 0.444
samples = 27
value = [18, 0, 9, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
gini = 0.0
samples = 18
value = [18, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
gini = 0.0
samples = 9
value = [0, 0, 9, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DDoS
bidirectional_last_seen_ms <= 319941026.0
gini = 0.674
samples = 1742
value = [10, 0, 554, 561, 606, 2, 0, 0, 1, 0, 0, 0, 2
4, 2]
class = DoS Hulk
bidirectional_stddev_ps <= 1256.29
gini = 0.032
samples = 616
value = [8, 0, 0, 0, 606, 2, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS Hulk
bidirectional_first_seen_ms <= 316905743.0
gini = 0.32
samples = 10
value = [8, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
gini = 0.0
samples = 8
value = [8, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
gini = 0.0
samples = 2
value = [0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS Slowhttptest
gini = 0.0
samples = 606
value = [0, 0, 0, 0, 606, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS Hulk
dst2src_last_seen_ms <= 325600093.0
gini = 0.51
samples = 1126
value = [2, 0, 554, 561, 0, 0, 0, 0, 1, 0, 0, 0, 2, 4
2]
class = DoS GoldenEye
gini = 0.0
samples = 561
value = [0, 0, 0, 561, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS GoldenEye
dst2src_last_seen_ms <= 464517103.0
gini = 0.038
samples = 565
value = [2, 0, 554, 0, 0, 0, 0, 0, 1, 0, 0, 0, 2, 4
2]
class = DDoS
src2dst_psh_packets <= 2.0
gini = 0.76
samples = 11
value = [2, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 2, 4
2]
class = Web Attack - Sql Injection
gini = 0.0
samples = 4
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 4
0]
class = Web Attack - Sql Injection
src2dst_psh_packets <= 6.0
gini = 0.735
samples = 7
value = [2, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 2, 0
2]
class = BENIGN
gini = 0.0
samples = 2
value = [2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
bidirectional_packets <= 39.0
gini = 0.64
samples = 5
value = [0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 2, 0
2]
class = Web Attack - Brute Force
gini = 0.0
samples = 2
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
2]
class = Web Attack - XSS
bidirectional_max_piat_ms <= 4963.0
gini = 0.444
samples = 3
value = [0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 2, 0
0]
class = Web Attack - Brute Force
gini = 0.0
samples = 2
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0
0]
class = Web Attack - Brute Force
gini = 0.0
samples = 1
value = [0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0
0]
class = Heartbleed
gini = 0.0
samples = 554
value = [0, 0, 554, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DDoS