dst2src_rst_packets <= 1.5
gini = 0.905
samples = 6086
value = [558, 544, 581, 606, 591, 627, 611, 625, 8, 30, 586
570, 127, 7, 15]
class = DoS Slowhttptest
True
False
bidirectional_bytes <= 135.0
gini = 0.896
samples = 5450
value = [553, 544, 581, 606, 584, 627, 611, 5, 8, 30, 583
569, 127, 7, 15]
class = DoS Slowhttptest
bidirectional_first_seen_ms <= 377094509.5
gini = 0.003
samples = 581
value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 580, 0, 0, 0
0]
class = PortScan
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 = 580
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 580, 0, 0, 0
0]
class = PortScan
dst2src_last_seen_ms <= 509414068.0
gini = 0.884
samples = 4869
value = [552, 544, 581, 606, 584, 627, 611, 5, 8, 30, 3
569, 127, 7, 15]
class = DoS Slowhttptest
dst2src_stddev_ps <= 1319.868
gini = 0.869
samples = 4281
value = [545, 544, 0, 606, 584, 627, 611, 5, 8, 30, 3
569, 127, 7, 15]
class = DoS Slowhttptest
dst2src_psh_packets <= 14.5
gini = 0.829
samples = 3149
value = [541, 544, 0, 75, 2, 623, 611, 5, 7, 30, 1, 569
123, 7, 11]
class = DoS Slowhttptest
bidirectional_first_seen_ms <= 458119126.0
gini = 0.784
samples = 2503
value = [532, 544, 0, 75, 2, 623, 611, 5, 0, 30, 1, 5
67, 7, 1]
class = DoS Slowhttptest
dst2src_first_seen_ms <= 316935993.5
gini = 0.723
samples = 1879
value = [453, 0, 0, 75, 2, 623, 611, 5, 0, 30, 0, 5, 67
7, 1]
class = DoS Slowhttptest
bidirectional_last_seen_ms <= 313986714.0
gini = 0.428
samples = 875
value = [254, 0, 0, 0, 0, 0, 611, 5, 0, 0, 0, 5, 0, 0
0]
class = DoS slowloris
src2dst_psh_packets <= 6.5
gini = 0.076
samples = 256
value = [246, 0, 0, 0, 0, 0, 0, 5, 0, 0, 0, 5, 0, 0
0]
class = BENIGN
bidirectional_mean_ps <= 80.472
gini = 0.054
samples = 253
value = [246, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 5, 0, 0
0]
class = BENIGN
src2dst_min_ps <= 63.0
gini = 0.473
samples = 13
value = [9, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 2, 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
bidirectional_stddev_piat_ms <= 525.913
gini = 0.64
samples = 5
value = [1, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 2, 0, 0
0]
class = FTP-Patator
src2dst_duration_ms <= 0.0
gini = 0.444
samples = 3
value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 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
gini = 0.0
samples = 2
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0
0]
class = SSH-Patator
gini = 0.0
samples = 2
value = [0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0
0]
class = FTP-Patator
src2dst_psh_packets <= 5.5
gini = 0.025
samples = 240
value = [237, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 3, 0, 0
0]
class = BENIGN
gini = 0.0
samples = 229
value = [229, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
dst2src_first_seen_ms <= 245211877.5
gini = 0.397
samples = 11
value = [8, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 3, 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 = 3
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 3, 0, 0
0]
class = SSH-Patator
gini = 0.0
samples = 3
value = [0, 0, 0, 0, 0, 0, 0, 3, 0, 0, 0, 0, 0, 0
0]
class = FTP-Patator
src2dst_ack_packets <= 0.5
gini = 0.026
samples = 619
value = [8, 0, 0, 0, 0, 0, 611, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS slowloris
gini = 0.0
samples = 4
value = [4, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
dst2src_ack_packets <= 5.5
gini = 0.013
samples = 615
value = [4, 0, 0, 0, 0, 0, 611, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS slowloris
gini = -0.0
samples = 611
value = [0, 0, 0, 0, 0, 0, 611, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS slowloris
gini = 0.0
samples = 4
value = [4, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
dst2src_last_seen_ms <= 318614426.0
gini = 0.565
samples = 1004
value = [199, 0, 0, 75, 2, 623, 0, 0, 0, 30, 0, 0, 67
7, 1]
class = DoS Slowhttptest
bidirectional_psh_packets <= 0.5
gini = 0.022
samples = 630
value = [7, 0, 0, 0, 0, 623, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS Slowhttptest
gini = 0.0
samples = 6
value = [6, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
bidirectional_packets <= 28.5
gini = 0.003
samples = 624
value = [1, 0, 0, 0, 0, 623, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS Slowhttptest
gini = 0.0
samples = 623
value = [0, 0, 0, 0, 0, 623, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS Slowhttptest
gini = 0.0
samples = 1
value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
src2dst_mean_ps <= 130.908
gini = 0.659
samples = 374
value = [192, 0, 0, 75, 2, 0, 0, 0, 0, 30, 0, 0, 67
7, 1]
class = BENIGN
dst2src_stddev_ps <= 945.353
gini = 0.137
samples = 176
value = [163, 0, 0, 13, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
src2dst_stddev_piat_ms <= 6079.934
gini = 0.012
samples = 163
value = [162, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
gini = -0.0
samples = 159
value = [159, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
bidirectional_last_seen_ms <= 320449362.0
gini = 0.375
samples = 4
value = [3, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
gini = 0.0
samples = 1
value = [0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS GoldenEye
gini = 0.0
samples = 3
value = [3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
bidirectional_mean_ps <= 353.867
gini = 0.142
samples = 13
value = [1, 0, 0, 12, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS GoldenEye
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 = 12
value = [0, 0, 0, 12, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS GoldenEye
bidirectional_mean_ps <= 165.171
gini = 0.74
samples = 198
value = [29, 0, 0, 62, 2, 0, 0, 0, 0, 30, 0, 0, 67, 7
1]
class = Web Attack - Brute Force
bidirectional_packets <= 10.5
gini = 0.058
samples = 67
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 65, 2
0]
class = Web Attack - Brute Force
gini = -0.0
samples = 65
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 65, 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, 0, 0, 2
0]
class = Web Attack - Sql Injection
bidirectional_ack_packets <= 14.5
gini = 0.676
samples = 131
value = [29, 0, 0, 62, 2, 0, 0, 0, 0, 30, 0, 0, 2, 5
1]
class = DoS GoldenEye
dst2src_first_seen_ms <= 360298718.0
gini = 0.21
samples = 70
value = [0, 0, 0, 62, 1, 0, 0, 0, 0, 0, 0, 0, 1, 5
1]
class = DoS GoldenEye
bidirectional_first_seen_ms <= 319819914.5
gini = 0.031
samples = 63
value = [0, 0, 0, 62, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS GoldenEye
gini = 0.0
samples = 1
value = [0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS Hulk
gini = 0.0
samples = 62
value = [0, 0, 0, 62, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS GoldenEye
bidirectional_stddev_ps <= 540.852
gini = 0.449
samples = 7
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 5
1]
class = Web Attack - Sql Injection
src2dst_mean_piat_ms <= 753.143
gini = 0.5
samples = 2
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0
1]
class = Web Attack - Brute Force
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 = 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 = 5
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 5
0]
class = Web Attack - Sql Injection
dst2src_stddev_ps <= 79.713
gini = 0.546
samples = 61
value = [29, 0, 0, 0, 1, 0, 0, 0, 0, 30, 0, 0, 1, 0
0]
class = Infiltration
gini = 0.0
samples = 30
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 30, 0, 0, 0, 0
0]
class = Infiltration
bidirectional_first_seen_ms <= 319532190.5
gini = 0.179
samples = 31
value = [29, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 1, 0
0]
class = BENIGN
gini = 0.0
samples = 1
value = [0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS Hulk
src2dst_psh_packets <= 12.0
gini = 0.124
samples = 30
value = [29, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0
0]
class = BENIGN
gini = 0.067
samples = 29
value = [29, 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, 0, 0, 1, 0
0]
class = Web Attack - Brute Force
bidirectional_packets <= 8.5
gini = 0.224
samples = 624
value = [79, 544, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0
0]
class = Bot
src2dst_mean_ps <= 60.75
gini = 0.029
samples = 67
value = [66, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 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
gini = 0.0
samples = 66
value = [66, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
dst2src_mean_ps <= 101.467
gini = 0.046
samples = 557
value = [13, 544, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = Bot
src2dst_mean_ps <= 89.868
gini = 0.004
samples = 545
value = [1, 544, 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 = 544
value = [0, 544, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = Bot
gini = 0.0
samples = 12
value = [12, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
dst2src_bytes <= 11972.5
gini = 0.23
samples = 646
value = [9, 0, 0, 0, 0, 0, 0, 0, 7, 0, 0, 564, 56, 0
10]
class = SSH-Patator
gini = 0.0
samples = 564
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 564, 0, 0
0]
class = SSH-Patator
bidirectional_mean_ps <= 610.713
gini = 0.499
samples = 82
value = [9, 0, 0, 0, 0, 0, 0, 0, 7, 0, 0, 0, 56, 0
10]
class = Web Attack - Brute Force
dst2src_packets <= 156.0
gini = 0.034
samples = 57
value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 56, 0
0]
class = Web Attack - Brute Force
gini = 0.0
samples = 56
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 56, 0
0]
class = Web Attack - Brute Force
gini = 0.0
samples = 1
value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
bidirectional_max_ps <= 2241.5
gini = 0.659
samples = 25
value = [8, 0, 0, 0, 0, 0, 0, 0, 7, 0, 0, 0, 0, 0
10]
class = Web Attack - XSS
gini = -0.0
samples = 10
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
10]
class = Web Attack - XSS
bidirectional_ack_packets <= 2525.0
gini = 0.498
samples = 15
value = [8, 0, 0, 0, 0, 0, 0, 0, 7, 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 = 7
value = [0, 0, 0, 0, 0, 0, 0, 0, 7, 0, 0, 0, 0, 0
0]
class = Heartbleed
dst2src_first_seen_ms <= 319930506.0
gini = 0.516
samples = 1132
value = [4, 0, 0, 531, 582, 4, 0, 0, 1, 0, 2, 0, 4, 0
4]
class = DoS Hulk
bidirectional_first_seen_ms <= 318382864.0
gini = 0.027
samples = 590
value = [2, 0, 0, 2, 582, 4, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS Hulk
bidirectional_stddev_piat_ms <= 377.37
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 = 2
value = [2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = BENIGN
gini = 0.0
samples = 4
value = [0, 0, 0, 0, 0, 4, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS Slowhttptest
src2dst_rst_packets <= 0.5
gini = 0.007
samples = 584
value = [0, 0, 0, 2, 582, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS Hulk
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 = 582
value = [0, 0, 0, 0, 582, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS Hulk
bidirectional_last_seen_ms <= 327841702.5
gini = 0.047
samples = 542
value = [2, 0, 0, 529, 0, 0, 0, 0, 1, 0, 2, 0, 4, 0
4]
class = DoS GoldenEye
gini = -0.0
samples = 529
value = [0, 0, 0, 529, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS GoldenEye
dst2src_first_seen_ms <= 401665167.5
gini = 0.757
samples = 13
value = [2, 0, 0, 0, 0, 0, 0, 0, 1, 0, 2, 0, 4, 0
4]
class = Web Attack - Brute Force
dst2src_last_seen_ms <= 334868649.0
gini = 0.32
samples = 5
value = [0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 4, 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 = 4
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 4, 0
0]
class = Web Attack - Brute Force
src2dst_last_seen_ms <= 411853947.5
gini = 0.625
samples = 8
value = [2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0
4]
class = Web Attack - XSS
gini = 0.0
samples = 4
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
4]
class = Web Attack - XSS
src2dst_last_seen_ms <= 420311285.0
gini = 0.5
samples = 4
value = [2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0
0]
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
gini = 0.0
samples = 2
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0
0]
class = PortScan
bidirectional_bytes <= 7065.0
gini = 0.024
samples = 588
value = [7, 0, 581, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DDoS
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 = 581
value = [0, 0, 581, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DDoS
dst2src_stddev_piat_ms <= 540.204
gini = 0.049
samples = 636
value = [5, 0, 0, 0, 7, 0, 0, 620, 0, 0, 3, 1, 0, 0
0]
class = FTP-Patator
dst2src_mean_ps <= 87.438
gini = 0.672
samples = 16
value = [5, 0, 0, 0, 7, 0, 0, 0, 0, 0, 3, 1, 0, 0
0]
class = DoS Hulk
dst2src_ack_packets <= 2.5
gini = 0.568
samples = 9
value = [5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 3, 1, 0, 0
0]
class = BENIGN
bidirectional_last_seen_ms <= 247037298.0
gini = 0.375
samples = 4
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 3, 1, 0, 0
0]
class = PortScan
gini = 0.0
samples = 1
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0
0]
class = SSH-Patator
gini = 0.0
samples = 3
value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 3, 0, 0, 0
0]
class = PortScan
gini = 0.0
samples = 5
value = [5, 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, 7, 0, 0, 0, 0, 0, 0, 0, 0, 0
0]
class = DoS Hulk
gini = 0.0
samples = 620
value = [0, 0, 0, 0, 0, 0, 0, 620, 0, 0, 0, 0, 0, 0
0]
class = FTP-Patator