bidirectional_bytes <= 136.0 gini = 0.906 samples = 6086 value = [617, 595, 571, 576, 583, 605, 557, 576, 7, 25, 597 615, 120, 14, 28] class = BENIGN
True
False
bidirectional_min_ps <= 82.0 gini = 0.003 samples = 594 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 593, 0, 0, 0 0] class = PortScan
dst2src_rst_packets <= 1.5 gini = 0.896 samples = 5492 value = [616, 595, 571, 576, 583, 605, 557, 576, 7, 25, 4 615, 120, 14, 28] class = BENIGN
gini = 0.0 samples = 593 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 593, 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
src2dst_last_seen_ms <= 509207269.5 gini = 0.884 samples = 4913 value = [615, 595, 571, 576, 577, 605, 557, 6, 7, 25, 2 615, 120, 14, 28] class = BENIGN
dst2src_psh_packets <= 4.0 gini = 0.031 samples = 579 value = [1, 0, 0, 0, 6, 0, 0, 570, 0, 0, 2, 0, 0, 0 0] class = FTP-Patator
dst2src_psh_packets <= 14.5 gini = 0.869 samples = 4322 value = [595, 595, 0, 576, 577, 605, 557, 6, 7, 25, 2 615, 120, 14, 28] class = SSH-Patator
bidirectional_stddev_ps <= 646.492 gini = 0.065 samples = 591 value = [20, 0, 571, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DDoS
src2dst_mean_piat_ms <= 269.833 gini = 0.494 samples = 9 value = [1, 0, 0, 0, 6, 0, 0, 0, 0, 0, 2, 0, 0, 0 0] class = DoS Hulk
gini = 0.0 samples = 570 value = [0, 0, 0, 0, 0, 0, 0, 570, 0, 0, 0, 0, 0, 0 0] class = FTP-Patator
dst2src_mean_ps <= 749.8 gini = 0.845 samples = 3622 value = [576, 595, 0, 576, 577, 605, 557, 6, 0, 25, 2, 2 72, 14, 15] class = DoS Slowhttptest
src2dst_packets <= 59.5 gini = 0.227 samples = 700 value = [19, 0, 0, 0, 0, 0, 0, 0, 7, 0, 0, 613, 48, 0 13] class = SSH-Patator
gini = -0.0 samples = 20 value = [20, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 571 value = [0, 0, 571, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DDoS
gini = 0.0 samples = 6 value = [0, 0, 0, 0, 6, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Hulk
dst2src_first_seen_ms <= 503620742.0 gini = 0.444 samples = 3 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0 0] class = PortScan
bidirectional_last_seen_ms <= 457968050.0 gini = 0.779 samples = 2467 value = [556, 595, 0, 38, 0, 603, 557, 6, 0, 25, 1, 2 64, 8, 12] class = DoS Slowhttptest
dst2src_first_seen_ms <= 319937274.0 gini = 0.533 samples = 1155 value = [20, 0, 0, 538, 577, 2, 0, 0, 0, 0, 1, 0, 8 6, 3] class = DoS Hulk
gini = -0.0 samples = 613 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 613, 0, 0 0] class = SSH-Patator
bidirectional_mean_ps <= 554.725 gini = 0.619 samples = 87 value = [19, 0, 0, 0, 0, 0, 0, 0, 7, 0, 0, 0, 48, 0 13] 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
gini = 0.0 samples = 2 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0 0] class = PortScan
dst2src_first_seen_ms <= 316769519.0 gini = 0.717 samples = 1800 value = [485, 0, 0, 38, 0, 603, 557, 6, 0, 25, 0, 2, 64 8, 12] class = DoS Slowhttptest
dst2src_mean_ps <= 95.5 gini = 0.193 samples = 667 value = [71, 595, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0 0] class = Bot
bidirectional_first_seen_ms <= 318374557.0 gini = 0.04 samples = 589 value = [9, 0, 0, 1, 577, 2, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Hulk
bidirectional_first_seen_ms <= 320911042.5 gini = 0.099 samples = 566 value = [11, 0, 0, 537, 0, 0, 0, 0, 0, 0, 0, 1, 0, 8, 6 3] class = DoS GoldenEye
dst2src_syn_packets <= 0.5 gini = 0.077 samples = 50 value = [2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 48, 0 0] class = Web Attack - Brute Force
src2dst_packets <= 118.0 gini = 0.63 samples = 37 value = [17, 0, 0, 0, 0, 0, 0, 0, 7, 0, 0, 0, 0, 0 13] class = BENIGN
bidirectional_last_seen_ms <= 284460711.5 gini = 0.458 samples = 849 value = [284, 0, 0, 0, 0, 0, 557, 6, 0, 0, 0, 2, 0, 0 0] class = DoS slowloris
src2dst_first_seen_ms <= 318131463.5 gini = 0.546 samples = 951 value = [201, 0, 0, 38, 0, 603, 0, 0, 0, 25, 0, 0, 64 8, 12] class = DoS Slowhttptest
bidirectional_mean_ps <= 86.601 gini = 0.02 samples = 601 value = [5, 595, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0 0] class = Bot
gini = 0.0 samples = 66 value = [66, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
dst2src_last_seen_ms <= 316231128.5 gini = 0.298 samples = 11 value = [9, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
src2dst_max_ps <= 542.5 gini = 0.003 samples = 578 value = [0, 0, 0, 1, 577, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Hulk
gini = 0.0 samples = 537 value = [0, 0, 0, 537, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
src2dst_last_seen_ms <= 400313702.5 gini = 0.725 samples = 29 value = [11, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 8, 6 3] 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 = 48 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 48, 0 0] class = Web Attack - Brute Force
gini = -0.0 samples = 17 value = [17, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
src2dst_max_ps <= 7598.5 gini = 0.455 samples = 20 value = [0, 0, 0, 0, 0, 0, 0, 0, 7, 0, 0, 0, 0, 0 13] class = Web Attack - XSS
src2dst_psh_packets <= 6.5 gini = 0.055 samples = 286 value = [278, 0, 0, 0, 0, 0, 0, 6, 0, 0, 0, 2, 0, 0 0] class = BENIGN
dst2src_packets <= 5.5 gini = 0.021 samples = 563 value = [6, 0, 0, 0, 0, 0, 557, 0, 0, 0, 0, 0, 0, 0 0] class = DoS slowloris
dst2src_ack_packets <= 5.5 gini = 0.016 samples = 603 value = [5, 0, 0, 0, 0, 598, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Slowhttptest
src2dst_mean_ps <= 138.1 gini = 0.626 samples = 348 value = [196, 0, 0, 38, 0, 5, 0, 0, 0, 25, 0, 0, 64 8, 12] class = BENIGN
dst2src_first_seen_ms <= 506375752.5 gini = 0.278 samples = 6 value = [5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 595 value = [0, 595, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = Bot
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, 2, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Slowhttptest
gini = 0.0 samples = 577 value = [0, 0, 0, 0, 577, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Hulk
gini = 0.0 samples = 1 value = [0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
src2dst_last_seen_ms <= 360472319.5 gini = 0.198 samples = 9 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 8, 0 0] class = Web Attack - Brute Force
bidirectional_bytes <= 6153.0 gini = 0.635 samples = 20 value = [10, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 6 3] class = BENIGN
gini = -0.0 samples = 13 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 13] class = Web Attack - XSS
gini = 0.0 samples = 7 value = [0, 0, 0, 0, 0, 0, 0, 0, 7, 0, 0, 0, 0, 0 0] class = Heartbleed
bidirectional_mean_ps <= 78.556 gini = 0.028 samples = 282 value = [278, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 2, 0, 0 0] class = BENIGN
gini = 0.0 samples = 4 value = [0, 0, 0, 0, 0, 0, 0, 4, 0, 0, 0, 0, 0, 0 0] class = FTP-Patator
dst2src_ack_packets <= 0.5 gini = 0.007 samples = 559 value = [2, 0, 0, 0, 0, 0, 557, 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
protocol <= 11.5 gini = 0.007 samples = 600 value = [2, 0, 0, 0, 0, 598, 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
bidirectional_stddev_ps <= 741.2 gini = 0.055 samples = 176 value = [171, 0, 0, 0, 0, 5, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
bidirectional_mean_ps <= 165.171 gini = 0.749 samples = 172 value = [25, 0, 0, 38, 0, 0, 0, 0, 0, 25, 0, 0, 64, 8 12] class = Web Attack - Brute Force
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 = 1 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 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 = 8 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 8, 0 0] class = Web Attack - Brute Force
gini = 0.0 samples = 6 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 6 0] class = Web Attack - Sql Injection
bidirectional_max_ps <= 5146.0 gini = 0.439 samples = 14 value = [10, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0 3] class = BENIGN
dst2src_psh_packets <= 2.0 gini = 0.531 samples = 8 value = [5, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 1, 0, 0 0] class = BENIGN
src2dst_psh_packets <= 5.5 gini = 0.007 samples = 274 value = [273, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 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 = 557 value = [0, 0, 0, 0, 0, 0, 557, 0, 0, 0, 0, 0, 0, 0 0] class = DoS slowloris
gini = -0.0 samples = 598 value = [0, 0, 0, 0, 0, 598, 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
src2dst_last_seen_ms <= 318253628.0 gini = 0.023 samples = 173 value = [171, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 3 value = [0, 0, 0, 0, 0, 3, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Slowhttptest
bidirectional_stddev_piat_ms <= 1676.355 gini = 0.137 samples = 69 value = [3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 64, 2 0] class = Web Attack - Brute Force
src2dst_max_piat_ms <= 66.0 gini = 0.737 samples = 103 value = [22, 0, 0, 38, 0, 0, 0, 0, 0, 25, 0, 0, 0, 6 12] class = DoS GoldenEye
gini = -0.0 samples = 10 value = [10, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
bidirectional_mean_piat_ms <= 0.2 gini = 0.375 samples = 4 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0 3] class = Web Attack - XSS
dst2src_rst_packets <= 0.5 gini = 0.278 samples = 6 value = [5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0 0] class = BENIGN
gini = 0.0 samples = 2 value = [0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0 0] class = FTP-Patator
gini = -0.0 samples = 272 value = [272, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
src2dst_mean_piat_ms <= 157.0 gini = 0.5 samples = 2 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 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 = 171 value = [171, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
dst2src_first_seen_ms <= 404821115.0 gini = 0.48 samples = 5 value = [3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2 0] class = BENIGN
gini = 0.0 samples = 64 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 64, 0 0] class = Web Attack - Brute Force
gini = 0.0 samples = 38 value = [0, 0, 0, 38, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
dst2src_mean_ps <= 83.663 gini = 0.717 samples = 65 value = [22, 0, 0, 0, 0, 0, 0, 0, 0, 25, 0, 0, 0, 6 12] class = Infiltration
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 = 3 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 3] class = Web Attack - XSS
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 = 1 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0 0] class = SSH-Patator
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 = 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, 0, 0, 2 0] class = Web Attack - Sql Injection
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 = 25 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 25, 0, 0, 0, 0 0] class = Infiltration
src2dst_packets <= 8.5 gini = 0.644 samples = 40 value = [22, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 6 12] class = BENIGN
src2dst_last_seen_ms <= 404739516.5 gini = 0.735 samples = 18 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 6 12] class = Web Attack - XSS
gini = 0.0 samples = 22 value = [22, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.653 samples = 12 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 12] class = Web Attack - XSS
gini = 0.0 samples = 6 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 6 0] class = Web Attack - Sql Injection