bidirectional_bytes <= 135.0 gini = 0.906 samples = 6086 value = [582, 579, 569, 585, 603, 596, 603, 593, 10, 29 583, 589, 126, 16, 23] class = DoS Hulk
True
False
src2dst_first_seen_ms <= 409708431.0 gini = 0.01 samples = 579 value = [3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 576, 0, 0, 0 0] class = PortScan
dst2src_rst_packets <= 1.5 gini = 0.897 samples = 5507 value = [579, 579, 569, 585, 603, 596, 603, 593, 10, 29, 7 589, 126, 16, 23] class = DoS Hulk
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 = 576 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 576, 0, 0, 0 0] class = PortScan
dst2src_last_seen_ms <= 509216141.0 gini = 0.885 samples = 4910 value = [574, 579, 569, 585, 598, 596, 603, 9, 10, 29, 6 587, 126, 16, 23] class = DoS slowloris
src2dst_stddev_piat_ms <= 665.36 gini = 0.043 samples = 597 value = [5, 0, 0, 0, 5, 0, 0, 584, 0, 0, 1, 2, 0, 0 0] class = FTP-Patator
dst2src_stddev_ps <= 1319.868 gini = 0.87 samples = 4329 value = [562, 579, 0, 585, 598, 596, 603, 9, 10, 29, 6 587, 126, 16, 23] class = DoS slowloris
src2dst_psh_packets <= 0.5 gini = 0.04 samples = 581 value = [12, 0, 569, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DDoS
bidirectional_mean_ps <= 468.238 gini = 0.675 samples = 13 value = [5, 0, 0, 0, 5, 0, 0, 0, 0, 0, 1, 2, 0, 0 0] class = BENIGN
gini = 0.0 samples = 584 value = [0, 0, 0, 0, 0, 0, 0, 584, 0, 0, 0, 0, 0, 0 0] class = FTP-Patator
dst2src_psh_packets <= 12.5 gini = 0.831 samples = 3192 value = [559, 579, 0, 68, 0, 592, 601, 9, 9, 29, 3, 587 120, 15, 21] class = DoS slowloris
dst2src_first_seen_ms <= 319927500.5 gini = 0.517 samples = 1137 value = [3, 0, 0, 517, 598, 4, 2, 0, 1, 0, 3, 0, 6, 1 2] class = DoS Hulk
gini = 0.0 samples = 12 value = [12, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 569 value = [0, 0, 569, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DDoS
dst2src_stddev_piat_ms <= 0.996 gini = 0.531 samples = 8 value = [5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 2, 0, 0 0] class = BENIGN
gini = 0.0 samples = 5 value = [0, 0, 0, 0, 5, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Hulk
src2dst_last_seen_ms <= 457968038.0 gini = 0.785 samples = 2511 value = [551, 579, 0, 68, 0, 592, 601, 9, 0, 29, 3, 2 59, 15, 3] class = DoS slowloris
bidirectional_ack_packets <= 157.0 gini = 0.253 samples = 681 value = [8, 0, 0, 0, 0, 0, 0, 0, 9, 0, 0, 585, 61, 0 18] class = SSH-Patator
bidirectional_first_seen_ms <= 318374640.0 gini = 0.033 samples = 608 value = [3, 0, 0, 1, 598, 4, 2, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Hulk
bidirectional_last_seen_ms <= 327841690.5 gini = 0.048 samples = 529 value = [0, 0, 0, 516, 0, 0, 0, 0, 1, 0, 3, 0, 6, 1 2] class = DoS GoldenEye
src2dst_duration_ms <= 2.0 gini = 0.444 samples = 3 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 2, 0, 0 0] class = SSH-Patator
gini = 0.0 samples = 5 value = [5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
dst2src_first_seen_ms <= 316769519.0 gini = 0.725 samples = 1860 value = [481, 1, 0, 68, 0, 592, 601, 9, 0, 29, 0, 2, 59 15, 3] class = DoS slowloris
dst2src_mean_ps <= 97.5 gini = 0.2 samples = 651 value = [70, 578, 0, 0, 0, 0, 0, 0, 0, 0, 3, 0, 0, 0 0] class = Bot
gini = -0.0 samples = 585 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 585, 0, 0 0] class = SSH-Patator
bidirectional_mean_ps <= 610.713 gini = 0.545 samples = 96 value = [8, 0, 0, 0, 0, 0, 0, 0, 9, 0, 0, 0, 61, 0 18] class = Web Attack - Brute Force
bidirectional_ack_packets <= 14.0 gini = 0.642 samples = 9 value = [3, 0, 0, 0, 0, 4, 2, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Slowhttptest
bidirectional_rst_packets <= 0.5 gini = 0.003 samples = 599 value = [0, 0, 0, 1, 598, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Hulk
gini = 0.0 samples = 516 value = [0, 0, 0, 516, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
src2dst_first_seen_ms <= 401558858.5 gini = 0.698 samples = 13 value = [0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 3, 0, 6, 1 2] class = Web Attack - Brute Force
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 = 1 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0 0] class = PortScan
src2dst_last_seen_ms <= 284460697.0 gini = 0.438 samples = 875 value = [263, 0, 0, 0, 0, 0, 601, 9, 0, 0, 0, 2, 0, 0 0] class = DoS slowloris
dst2src_first_seen_ms <= 318710058.5 gini = 0.581 samples = 985 value = [218, 1, 0, 68, 0, 592, 0, 0, 0, 29, 0, 0, 59 15, 3] class = DoS Slowhttptest
bidirectional_mean_ps <= 86.601 gini = 0.037 samples = 589 value = [8, 578, 0, 0, 0, 0, 0, 0, 0, 0, 3, 0, 0, 0 0] class = Bot
gini = 0.0 samples = 62 value = [62, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
bidirectional_mean_ps <= 300.704 gini = 0.032 samples = 62 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 61, 0 0] class = Web Attack - Brute Force
dst2src_first_seen_ms <= 402343172.5 gini = 0.607 samples = 34 value = [7, 0, 0, 0, 0, 0, 0, 0, 9, 0, 0, 0, 0, 0 18] class = Web Attack - XSS
gini = 0.0 samples = 4 value = [0, 0, 0, 0, 0, 4, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Slowhttptest
dst2src_first_seen_ms <= 247253903.0 gini = 0.48 samples = 5 value = [3, 0, 0, 0, 0, 0, 2, 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 = 598 value = [0, 0, 0, 0, 598, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Hulk
src2dst_bytes <= 94261.0 gini = 0.245 samples = 7 value = [0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 6, 0 0] class = Web Attack - Brute Force
bidirectional_last_seen_ms <= 456568352.5 gini = 0.611 samples = 6 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 3, 0, 0, 1 2] class = PortScan
src2dst_psh_packets <= 6.5 gini = 0.08 samples = 264 value = [253, 0, 0, 0, 0, 0, 0, 9, 0, 0, 0, 2, 0, 0 0] class = BENIGN
src2dst_psh_packets <= 0.5 gini = 0.032 samples = 611 value = [10, 0, 0, 0, 0, 0, 601, 0, 0, 0, 0, 0, 0, 0 0] class = DoS slowloris
bidirectional_psh_packets <= 0.5 gini = 0.02 samples = 598 value = [6, 0, 0, 0, 0, 592, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Slowhttptest
src2dst_mean_ps <= 131.162 gini = 0.641 samples = 387 value = [212, 1, 0, 68, 0, 0, 0, 0, 0, 29, 0, 0, 59 15, 3] class = BENIGN
src2dst_duration_ms <= 20.0 gini = 0.42 samples = 10 value = [7, 0, 0, 0, 0, 0, 0, 0, 0, 0, 3, 0, 0, 0 0] class = BENIGN
dst2src_last_seen_ms <= 244533910.5 gini = 0.003 samples = 579 value = [1, 578, 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 = 61 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 61, 0 0] class = Web Attack - Brute Force
dst2src_stddev_ps <= 378.925 gini = 0.48 samples = 15 value = [6, 0, 0, 0, 0, 0, 0, 0, 9, 0, 0, 0, 0, 0 0] class = Heartbleed
dst2src_syn_packets <= 0.5 gini = 0.1 samples = 19 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 18] class = Web Attack - XSS
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 = 2 value = [0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0 0] class = DoS slowloris
gini = 0.0 samples = 6 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 6, 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
bidirectional_duration_ms <= 5013.0 gini = 0.444 samples = 3 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1 2] class = Web Attack - XSS
gini = 0.0 samples = 3 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 3, 0, 0, 0 0] class = PortScan
bidirectional_mean_ps <= 80.444 gini = 0.023 samples = 255 value = [252, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 1, 0, 0 0] class = BENIGN
bidirectional_stddev_ps <= 110.997 gini = 0.37 samples = 9 value = [1, 0, 0, 0, 0, 0, 0, 7, 0, 0, 0, 1, 0, 0 0] class = FTP-Patator
gini = 0.0 samples = 7 value = [7, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
bidirectional_stddev_ps <= 394.958 gini = 0.01 samples = 604 value = [3, 0, 0, 0, 0, 0, 601, 0, 0, 0, 0, 0, 0, 0 0] class = DoS slowloris
gini = -0.0 samples = 5 value = [5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
src2dst_ack_packets <= 15.5 gini = 0.003 samples = 593 value = [1, 0, 0, 0, 0, 592, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Slowhttptest
bidirectional_mean_ps <= 370.72 gini = 0.129 samples = 189 value = [176, 1, 0, 12, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
dst2src_last_seen_ms <= 322275727.5 gini = 0.771 samples = 198 value = [36, 0, 0, 56, 0, 0, 0, 0, 0, 29, 0, 0, 59 15, 3] class = Web Attack - Brute Force
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 = 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 = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 578 value = [0, 578, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = Bot
gini = 0.0 samples = 9 value = [0, 0, 0, 0, 0, 0, 0, 0, 9, 0, 0, 0, 0, 0 0] class = Heartbleed
gini = 0.0 samples = 6 value = [6, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
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 = 18 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 18] class = Web Attack - XSS
gini = 0.0 samples = 1 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1 0] class = Web Attack - Sql Injection
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_ack_packets <= 10.0 gini = 0.278 samples = 12 value = [10, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0 0] class = BENIGN
src2dst_psh_packets <= 5.5 gini = 0.008 samples = 243 value = [242, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0 0] class = BENIGN
gini = 0.0 samples = 7 value = [0, 0, 0, 0, 0, 0, 0, 7, 0, 0, 0, 0, 0, 0 0] class = FTP-Patator
src2dst_ack_packets <= 16.0 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 = 601 value = [0, 0, 0, 0, 0, 0, 601, 0, 0, 0, 0, 0, 0, 0 0] class = DoS slowloris
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 = 592 value = [0, 0, 0, 0, 0, 592, 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
dst2src_stddev_piat_ms <= 4625.854 gini = 0.012 samples = 169 value = [168, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
dst2src_mean_ps <= 1010.124 gini = 0.48 samples = 20 value = [8, 0, 0, 12, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
src2dst_packets <= 8.5 gini = 0.067 samples = 58 value = [2, 0, 0, 56, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
bidirectional_ack_packets <= 15.5 gini = 0.709 samples = 140 value = [34, 0, 0, 0, 0, 0, 0, 0, 0, 29, 0, 0, 59, 15 3] class = Web Attack - Brute Force
gini = -0.0 samples = 10 value = [10, 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, 2, 0, 0, 0, 0, 0, 0 0] class = FTP-Patator
gini = 0.0 samples = 237 value = [237, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
bidirectional_stddev_ps <= 332.356 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 = 1 value = [1, 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 = 163 value = [163, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
dst2src_max_ps <= 903.0 gini = 0.278 samples = 6 value = [5, 1, 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
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 = 56 value = [0, 0, 0, 56, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
gini = 0.0 samples = 2 value = [2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
src2dst_first_seen_ms <= 402859800.5 gini = 0.419 samples = 80 value = [3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 59, 15 3] class = Web Attack - Brute Force
dst2src_mean_ps <= 90.691 gini = 0.499 samples = 60 value = [31, 0, 0, 0, 0, 0, 0, 0, 0, 29, 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 = 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, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = Bot
gini = 0.0 samples = 5 value = [5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
dst2src_duration_ms <= 2544.5 gini = 0.033 samples = 60 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 59, 0 0] class = Web Attack - Brute Force
src2dst_bytes <= 767.0 gini = 0.41 samples = 20 value = [2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 15 3] class = Web Attack - Sql Injection
gini = 0.0 samples = 29 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 29, 0, 0, 0, 0 0] class = Infiltration
gini = 0.0 samples = 31 value = [31, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
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 = 59 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 59, 0 0] class = Web Attack - Brute Force
bidirectional_last_seen_ms <= 403396602.0 gini = 0.56 samples = 5 value = [2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 3] class = Web Attack - XSS
gini = 0.0 samples = 15 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 15 0] class = Web Attack - Sql Injection
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 = 0.5 samples = 2 value = [2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN