dst2src_first_seen_ms <= 509227153.0 gini = 0.906 samples = 6087 value = [583, 564, 581, 558, 628, 583, 578, 643, 11, 22 595, 574, 133, 11, 23] class = FTP-Patator
True
False
dst2src_stddev_ps <= 934.366 gini = 0.896 samples = 5503 value = [580, 564, 0, 558, 628, 583, 578, 643, 11, 22, 595 574, 133, 11, 23] class = FTP-Patator
src2dst_last_seen_ms <= 234359046.0 gini = 0.87 samples = 4331 value = [572, 564, 0, 33, 7, 582, 578, 643, 11, 22, 595 574, 129, 2, 19] class = FTP-Patator
bidirectional_last_seen_ms <= 197066625.5 gini = 0.321 samples = 805 value = [162, 0, 0, 0, 0, 0, 0, 643, 0, 0, 0, 0, 0, 0 0] class = FTP-Patator
dst2src_rst_packets <= 0.5 gini = 0.044 samples = 134 value = [131, 0, 0, 0, 0, 0, 0, 3, 0, 0, 0, 0, 0, 0 0] class = BENIGN
bidirectional_first_seen_ms <= 164702582.5 gini = 0.016 samples = 126 value = [125, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = -0.0 samples = 109 value = [109, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
bidirectional_fin_packets <= 0.5 gini = 0.111 samples = 17 value = [16, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 12 value = [12, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
bidirectional_stddev_piat_ms <= 0.707 gini = 0.32 samples = 5 value = [4, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 1 value = [0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0 0] class = FTP-Patator
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 <= 196925737.0 gini = 0.375 samples = 8 value = [6, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0 0] class = BENIGN
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 = 2 value = [0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0 0] class = FTP-Patator
bidirectional_psh_packets <= 0.5 gini = 0.088 samples = 671 value = [31, 0, 0, 0, 0, 0, 0, 640, 0, 0, 0, 0, 0, 0 0] class = FTP-Patator
gini = -0.0 samples = 25 value = [25, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
bidirectional_stddev_ps <= 20.153 gini = 0.018 samples = 646 value = [6, 0, 0, 0, 0, 0, 0, 640, 0, 0, 0, 0, 0, 0 0] class = FTP-Patator
gini = -0.0 samples = 640 value = [0, 0, 0, 0, 0, 0, 0, 640, 0, 0, 0, 0, 0, 0 0] class = FTP-Patator
gini = 0.0 samples = 6 value = [6, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
bidirectional_first_seen_ms <= 248659519.0 gini = 0.85 samples = 3526 value = [410, 564, 0, 33, 7, 582, 578, 0, 11, 22, 595 574, 129, 2, 19] class = PortScan
src2dst_psh_packets <= 0.5 gini = 0.106 samples = 606 value = [34, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 572, 0, 0 0] class = SSH-Patator
gini = -0.0 samples = 33 value = [33, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
dst2src_stddev_ps <= 477.302 gini = 0.003 samples = 573 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 572, 0, 0 0] class = SSH-Patator
gini = 0.0 samples = 572 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 572, 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 <= 316775362.0 gini = 0.823 samples = 2920 value = [376, 564, 0, 33, 7, 582, 578, 0, 11, 22, 595, 2 129, 2, 19] class = PortScan
bidirectional_psh_packets <= 0.5 gini = 0.121 samples = 618 value = [38, 0, 0, 0, 0, 0, 578, 0, 0, 0, 0, 2, 0, 0 0] class = DoS slowloris
gini = -0.0 samples = 33 value = [33, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
dst2src_psh_packets <= 0.5 gini = 0.024 samples = 585 value = [5, 0, 0, 0, 0, 0, 578, 0, 0, 0, 0, 2, 0, 0 0] class = DoS slowloris
gini = 0.0 samples = 578 value = [0, 0, 0, 0, 0, 0, 578, 0, 0, 0, 0, 0, 0, 0 0] class = DoS slowloris
src2dst_max_ps <= 199.5 gini = 0.408 samples = 7 value = [5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 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
src2dst_psh_packets <= 9.0 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 = 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
src2dst_first_seen_ms <= 318333813.5 gini = 0.784 samples = 2302 value = [338, 564, 0, 33, 7, 582, 0, 0, 11, 22, 595, 0 129, 2, 19] class = PortScan
bidirectional_psh_packets <= 0.5 gini = 0.043 samples = 595 value = [13, 0, 0, 0, 0, 582, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Slowhttptest
gini = 0.0 samples = 8 value = [8, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
dst2src_mean_ps <= 30.0 gini = 0.017 samples = 587 value = [5, 0, 0, 0, 0, 582, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Slowhttptest
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 = 582 value = [0, 0, 0, 0, 0, 582, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Slowhttptest
src2dst_bytes <= 74.5 gini = 0.727 samples = 1707 value = [325, 564, 0, 33, 7, 0, 0, 0, 11, 22, 595, 0 129, 2, 19] class = PortScan
bidirectional_syn_packets <= 0.5 gini = 0.195 samples = 668 value = [73, 0, 0, 0, 0, 0, 0, 0, 0, 0, 595, 0, 0, 0 0] class = PortScan
bidirectional_max_ps <= 62.5 gini = 0.387 samples = 99 value = [73, 0, 0, 0, 0, 0, 0, 0, 0, 0, 26, 0, 0, 0 0] class = BENIGN
src2dst_first_seen_ms <= 405021996.5 gini = 0.5 samples = 49 value = [24, 0, 0, 0, 0, 0, 0, 0, 0, 0, 25, 0, 0, 0 0] class = PortScan
gini = 0.0 samples = 12 value = [12, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
bidirectional_last_seen_ms <= 426031588.5 gini = 0.438 samples = 37 value = [12, 0, 0, 0, 0, 0, 0, 0, 0, 0, 25, 0, 0, 0 0] class = PortScan
gini = -0.0 samples = 25 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 25, 0, 0, 0 0] class = PortScan
gini = 0.0 samples = 12 value = [12, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
bidirectional_first_seen_ms <= 505589082.0 gini = 0.039 samples = 50 value = [49, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 47 value = [47, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
src2dst_first_seen_ms <= 507377489.0 gini = 0.444 samples = 3 value = [2, 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 = 2 value = [2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 569 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 569, 0, 0, 0 0] class = PortScan
dst2src_first_seen_ms <= 487932254.0 gini = 0.631 samples = 1039 value = [252, 564, 0, 33, 7, 0, 0, 0, 11, 22, 0, 0, 129 2, 19] class = Bot
src2dst_mean_ps <= 157.188 gini = 0.665 samples = 448 value = [225, 0, 0, 33, 7, 0, 0, 0, 11, 22, 0, 0, 129 2, 19] class = BENIGN
src2dst_mean_ps <= 149.05 gini = 0.01 samples = 203 value = [202, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0 0] class = BENIGN
gini = -0.0 samples = 200 value = [200, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
dst2src_stddev_piat_ms <= 750.155 gini = 0.444 samples = 3 value = [2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 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 = 1 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0 0] class = Web Attack - Brute Force
src2dst_mean_ps <= 282.723 gini = 0.685 samples = 245 value = [23, 0, 0, 33, 7, 0, 0, 0, 11, 22, 0, 0, 128 2, 19] class = Web Attack - Brute Force
src2dst_last_seen_ms <= 370651315.5 gini = 0.235 samples = 147 value = [13, 0, 0, 0, 0, 0, 0, 0, 0, 4, 0, 0, 128, 2 0] class = Web Attack - Brute Force
gini = 0.0 samples = 9 value = [9, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
dst2src_first_seen_ms <= 403451724.5 gini = 0.138 samples = 138 value = [4, 0, 0, 0, 0, 0, 0, 0, 0, 4, 0, 0, 128, 2 0] class = Web Attack - Brute Force
gini = 0.0 samples = 128 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 128, 0 0] class = Web Attack - Brute Force
dst2src_packets <= 13.5 gini = 0.72 samples = 10 value = [4, 0, 0, 0, 0, 0, 0, 0, 0, 4, 0, 0, 0, 2 0] class = BENIGN
bidirectional_stddev_piat_ms <= 1658.133 gini = 0.667 samples = 6 value = [4, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2 0] class = BENIGN
gini = 0.5 samples = 4 value = [4, 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 = 4 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 4, 0, 0, 0, 0 0] class = Infiltration
dst2src_first_seen_ms <= 327750104.0 gini = 0.792 samples = 98 value = [10, 0, 0, 33, 7, 0, 0, 0, 11, 18, 0, 0, 0, 0 19] class = DoS GoldenEye
src2dst_last_seen_ms <= 320068378.5 gini = 0.289 samples = 40 value = [0, 0, 0, 33, 7, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
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 = 33 value = [0, 0, 0, 33, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
dst2src_mean_ps <= 1095.886 gini = 0.743 samples = 58 value = [10, 0, 0, 0, 0, 0, 0, 0, 11, 18, 0, 0, 0, 0 19] class = Web Attack - XSS
src2dst_min_ps <= 63.0 gini = 0.669 samples = 39 value = [10, 0, 0, 0, 0, 0, 0, 0, 11, 18, 0, 0, 0, 0 0] class = Infiltration
gini = 0.0 samples = 18 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 18, 0, 0, 0, 0 0] class = Infiltration
src2dst_mean_ps <= 2624.808 gini = 0.594 samples = 21 value = [10, 0, 0, 0, 0, 0, 0, 0, 11, 0, 0, 0, 0, 0 0] class = Heartbleed
gini = 0.42 samples = 10 value = [10, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 11 value = [0, 0, 0, 0, 0, 0, 0, 0, 11, 0, 0, 0, 0, 0 0] class = Heartbleed
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_fin_packets <= 0.5 gini = 0.087 samples = 591 value = [27, 564, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = Bot
src2dst_packets <= 9.5 gini = 0.08 samples = 24 value = [23, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 23 value = [23, 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
src2dst_stddev_piat_ms <= 512.721 gini = 0.014 samples = 567 value = [4, 563, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = Bot
gini = -0.0 samples = 563 value = [0, 563, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = Bot
gini = 0.0 samples = 4 value = [4, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
dst2src_max_piat_ms <= 1870.5 gini = 0.518 samples = 1172 value = [8, 0, 0, 525, 621, 1, 0, 0, 0, 0, 0, 0, 4, 9 4] class = DoS Hulk
dst2src_mean_ps <= 1384.778 gini = 0.022 samples = 628 value = [4, 0, 0, 0, 621, 0, 0, 0, 0, 0, 0, 0, 1, 1 1] class = DoS Hulk
dst2src_first_seen_ms <= 358117941.5 gini = 0.612 samples = 7 value = [4, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1 1] class = BENIGN
gini = 0.0 samples = 4 value = [4, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
dst2src_first_seen_ms <= 403370566.0 gini = 0.667 samples = 3 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1 1] class = Web Attack - Brute Force
src2dst_last_seen_ms <= 399773796.0 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 = 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 = 621 value = [0, 0, 0, 0, 621, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Hulk
src2dst_last_seen_ms <= 360395599.0 gini = 0.068 samples = 544 value = [4, 0, 0, 525, 0, 1, 0, 0, 0, 0, 0, 0, 3, 8 3] class = DoS GoldenEye
dst2src_first_seen_ms <= 318780660.0 gini = 0.015 samples = 529 value = [3, 0, 0, 525, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
src2dst_first_seen_ms <= 227668833.0 gini = 0.375 samples = 4 value = [3, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
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 = 1 value = [0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Slowhttptest
gini = 0.0 samples = 525 value = [0, 0, 0, 525, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
src2dst_psh_packets <= 3.0 gini = 0.631 samples = 15 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 3, 8 3] class = Web Attack - Sql Injection
gini = 0.0 samples = 8 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 8 0] class = Web Attack - Sql Injection
src2dst_bytes <= 4018.5 gini = 0.612 samples = 7 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 3, 0 3] class = Web Attack - Brute Force
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
src2dst_last_seen_ms <= 400115661.0 gini = 0.375 samples = 4 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 3, 0 0] class = Web Attack - Brute Force
gini = 0.0 samples = 3 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 3, 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
src2dst_ack_packets <= 0.5 gini = 0.01 samples = 584 value = [3, 0, 581, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DDoS
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 = 581 value = [0, 0, 581, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DDoS