bidirectional_bytes <= 136.0 gini = 0.906 samples = 6086 value = [609, 602, 597, 578, 577, 603, 544, 560, 11, 31 600, 613, 130, 14, 17] class = SSH-Patator
True
False
bidirectional_last_seen_ms <= 377093979.0 gini = 0.01 samples = 599 value = [3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 596, 0, 0, 0 0] class = PortScan
dst2src_last_seen_ms <= 509414068.0 gini = 0.896 samples = 5487 value = [606, 602, 597, 578, 577, 603, 544, 560, 11, 31, 4 613, 130, 14, 17] class = SSH-Patator
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 = 596 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 596, 0, 0, 0 0] class = PortScan
dst2src_rst_packets <= 1.5 gini = 0.884 samples = 4878 value = [594, 602, 0, 578, 577, 603, 544, 560, 11, 31, 4 613, 130, 14, 17] class = SSH-Patator
src2dst_min_ps <= 62.5 gini = 0.039 samples = 609 value = [12, 0, 597, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DDoS
dst2src_psh_packets <= 14.5 gini = 0.869 samples = 4312 value = [591, 602, 0, 578, 572, 603, 544, 4, 11, 31, 3 612, 130, 14, 17] class = SSH-Patator
src2dst_packets <= 9.5 gini = 0.035 samples = 566 value = [3, 0, 0, 0, 5, 0, 0, 556, 0, 0, 1, 1, 0, 0 0] class = FTP-Patator
gini = -0.0 samples = 597 value = [0, 0, 597, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DDoS
gini = 0.0 samples = 12 value = [12, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
src2dst_last_seen_ms <= 458023720.5 gini = 0.845 samples = 3628 value = [583, 602, 0, 578, 572, 603, 544, 4, 0, 31, 3, 13 81, 14, 0] class = DoS Slowhttptest
src2dst_packets <= 61.0 gini = 0.227 samples = 684 value = [8, 0, 0, 0, 0, 0, 0, 0, 11, 0, 0, 599, 49, 0 17] class = SSH-Patator
bidirectional_max_ps <= 2272.5 gini = 0.64 samples = 10 value = [3, 0, 0, 0, 5, 0, 0, 0, 0, 0, 1, 1, 0, 0 0] class = DoS Hulk
gini = 0.0 samples = 556 value = [0, 0, 0, 0, 0, 0, 0, 556, 0, 0, 0, 0, 0, 0 0] class = FTP-Patator
dst2src_stddev_ps <= 1350.234 gini = 0.817 samples = 2943 value = [503, 0, 0, 578, 572, 603, 544, 4, 0, 31, 0, 13 81, 14, 0] class = DoS Slowhttptest
dst2src_mean_ps <= 92.417 gini = 0.214 samples = 685 value = [80, 602, 0, 0, 0, 0, 0, 0, 0, 0, 3, 0, 0, 0 0] class = Bot
gini = -0.0 samples = 599 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 599, 0, 0 0] class = SSH-Patator
bidirectional_mean_ps <= 626.558 gini = 0.602 samples = 85 value = [8, 0, 0, 0, 0, 0, 0, 0, 11, 0, 0, 0, 49, 0 17] class = Web Attack - Brute Force
dst2src_ack_packets <= 2.5 gini = 0.56 samples = 5 value = [3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 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
dst2src_first_seen_ms <= 316769519.0 gini = 0.735 samples = 1868 value = [502, 0, 0, 79, 4, 603, 541, 4, 0, 31, 0, 13 78, 13, 0] class = DoS Slowhttptest
dst2src_first_seen_ms <= 319930506.0 gini = 0.505 samples = 1075 value = [1, 0, 0, 499, 568, 0, 3, 0, 0, 0, 0, 0, 3, 1 0] class = DoS Hulk
dst2src_psh_packets <= 0.5 gini = 0.026 samples = 610 value = [6, 602, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0 0] class = Bot
bidirectional_stddev_ps <= 1554.993 gini = 0.026 samples = 75 value = [74, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0 0] class = BENIGN
bidirectional_duration_ms <= 55264.5 gini = 0.039 samples = 50 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 49, 0 0] class = Web Attack - Brute Force
dst2src_first_seen_ms <= 402311044.5 gini = 0.625 samples = 35 value = [7, 0, 0, 0, 0, 0, 0, 0, 11, 0, 0, 0, 0, 0 17] class = Web Attack - XSS
dst2src_packets <= 2.0 gini = 0.5 samples = 2 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 0, 0 0] class = PortScan
gini = 0.0 samples = 3 value = [3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
bidirectional_first_seen_ms <= 315270219.0 gini = 0.469 samples = 833 value = [275, 0, 0, 0, 0, 0, 541, 4, 0, 0, 0, 13, 0 0, 0] class = DoS slowloris
dst2src_first_seen_ms <= 318406004.5 gini = 0.599 samples = 1035 value = [227, 0, 0, 79, 4, 603, 0, 0, 0, 31, 0, 0, 78 13, 0] class = DoS Slowhttptest
src2dst_rst_packets <= 0.5 gini = 0.017 samples = 573 value = [0, 0, 0, 2, 568, 0, 3, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Hulk
dst2src_last_seen_ms <= 360294257.0 gini = 0.02 samples = 502 value = [1, 0, 0, 497, 0, 0, 0, 0, 0, 0, 0, 0, 3, 1 0] class = DoS GoldenEye
bidirectional_first_seen_ms <= 505643072.5 gini = 0.375 samples = 8 value = [6, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 602 value = [0, 602, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = Bot
gini = -0.0 samples = 74 value = [74, 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 = 49 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 49, 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_packets <= 1042.5 gini = 0.475 samples = 18 value = [7, 0, 0, 0, 0, 0, 0, 0, 11, 0, 0, 0, 0, 0 0] class = Heartbleed
gini = 0.0 samples = 17 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 17] class = Web Attack - XSS
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 = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0 0] class = SSH-Patator
src2dst_psh_packets <= 5.5 gini = 0.115 samples = 282 value = [265, 0, 0, 0, 0, 0, 0, 4, 0, 0, 0, 13, 0, 0 0] class = BENIGN
src2dst_psh_packets <= 0.5 gini = 0.036 samples = 551 value = [10, 0, 0, 0, 0, 0, 541, 0, 0, 0, 0, 0, 0, 0 0] class = DoS slowloris
bidirectional_psh_packets <= 0.5 gini = 0.035 samples = 614 value = [11, 0, 0, 0, 0, 603, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Slowhttptest
src2dst_mean_ps <= 120.674 gini = 0.658 samples = 421 value = [216, 0, 0, 79, 4, 0, 0, 0, 0, 31, 0, 0, 78 13, 0] class = BENIGN
src2dst_last_seen_ms <= 316653281.0 gini = 0.48 samples = 5 value = [0, 0, 0, 2, 0, 0, 3, 0, 0, 0, 0, 0, 0, 0 0] class = DoS slowloris
gini = 0.0 samples = 568 value = [0, 0, 0, 0, 568, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Hulk
gini = -0.0 samples = 497 value = [0, 0, 0, 497, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
bidirectional_first_seen_ms <= 399981356.0 gini = 0.56 samples = 5 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 3, 1 0] class = Web Attack - Brute Force
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, 0, 0, 0, 2, 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 = 11 value = [0, 0, 0, 0, 0, 0, 0, 0, 11, 0, 0, 0, 0, 0 0] class = Heartbleed
bidirectional_mean_ps <= 78.556 gini = 0.022 samples = 266 value = [263, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 2, 0, 0 0] class = BENIGN
src2dst_max_ps <= 595.0 gini = 0.477 samples = 16 value = [2, 0, 0, 0, 0, 0, 0, 3, 0, 0, 0, 11, 0, 0 0] class = SSH-Patator
gini = 0.0 samples = 8 value = [8, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
bidirectional_packets <= 30.0 gini = 0.007 samples = 543 value = [2, 0, 0, 0, 0, 0, 541, 0, 0, 0, 0, 0, 0, 0 0] class = DoS slowloris
gini = 0.0 samples = 9 value = [9, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
dst2src_ack_packets <= 6.5 gini = 0.007 samples = 605 value = [2, 0, 0, 0, 0, 603, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Slowhttptest
dst2src_stddev_ps <= 945.353 gini = 0.056 samples = 173 value = [168, 0, 0, 4, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
bidirectional_first_seen_ms <= 326215269.0 gini = 0.763 samples = 248 value = [48, 0, 0, 75, 3, 0, 0, 0, 0, 31, 0, 0, 78 13, 0] class = Web Attack - Brute Force
gini = 0.0 samples = 3 value = [0, 0, 0, 0, 0, 0, 3, 0, 0, 0, 0, 0, 0, 0 0] class = DoS slowloris
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, 3, 0 0] class = Web Attack - Brute Force
bidirectional_stddev_ps <= 966.042 gini = 0.5 samples = 2 value = [1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1 0] class = BENIGN
bidirectional_rst_packets <= 0.5 gini = 0.357 samples = 14 value = [11, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 2, 0, 0 0] class = BENIGN
gini = 0.0 samples = 252 value = [252, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
dst2src_last_seen_ms <= 167763416.0 gini = 0.48 samples = 5 value = [2, 0, 0, 0, 0, 0, 0, 3, 0, 0, 0, 0, 0, 0 0] class = FTP-Patator
gini = 0.0 samples = 11 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 11, 0, 0 0] class = SSH-Patator
gini = 0.0 samples = 541 value = [0, 0, 0, 0, 0, 0, 541, 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
gini = -0.0 samples = 603 value = [0, 0, 0, 0, 0, 603, 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_stddev_ps <= 805.855 gini = 0.012 samples = 166 value = [165, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
src2dst_first_seen_ms <= 320903809.0 gini = 0.612 samples = 7 value = [3, 0, 0, 3, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
dst2src_packets <= 5.5 gini = 0.14 samples = 81 value = [3, 0, 0, 75, 3, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
bidirectional_bytes <= 1680.5 gini = 0.691 samples = 167 value = [45, 0, 0, 0, 0, 0, 0, 0, 0, 31, 0, 0, 78, 13 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
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
dst2src_bytes <= 350.0 gini = 0.153 samples = 12 value = [11, 0, 0, 0, 0, 0, 0, 1, 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 = [2, 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, 3, 0, 0, 0, 0, 0, 0 0] class = FTP-Patator
gini = 0.0 samples = 161 value = [161, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
src2dst_max_piat_ms <= 14281.0 gini = 0.32 samples = 5 value = [4, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
bidirectional_last_seen_ms <= 319271127.0 gini = 0.375 samples = 4 value = [0, 0, 0, 3, 1, 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
gini = 0.0 samples = 73 value = [0, 0, 0, 73, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
bidirectional_first_seen_ms <= 319901848.5 gini = 0.656 samples = 8 value = [3, 0, 0, 2, 3, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
dst2src_max_ps <= 324.5 gini = 0.133 samples = 71 value = [4, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 66, 0 0] class = Web Attack - Brute Force
dst2src_stddev_ps <= 65.374 gini = 0.669 samples = 96 value = [41, 0, 0, 0, 0, 0, 0, 0, 0, 30, 0, 0, 12, 13 0] class = BENIGN
gini = -0.0 samples = 11 value = [11, 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, 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
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 = 1 value = [0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS Hulk
gini = 0.0 samples = 3 value = [0, 0, 0, 3, 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
dst2src_first_seen_ms <= 320428982.0 gini = 0.48 samples = 5 value = [3, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
bidirectional_max_piat_ms <= 12.0 gini = 0.32 samples = 5 value = [4, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0 0] class = BENIGN
gini = 0.0 samples = 66 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 66, 0 0] class = Web Attack - Brute Force
gini = 0.0 samples = 30 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 30, 0, 0, 0, 0 0] class = Infiltration
src2dst_packets <= 8.5 gini = 0.506 samples = 66 value = [41, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 12, 13 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 = 2 value = [0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = DoS GoldenEye
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 = 4 value = [4, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 0] class = BENIGN
bidirectional_last_seen_ms <= 404417102.0 gini = 0.632 samples = 24 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 11, 13 0] class = Web Attack - Sql Injection
bidirectional_psh_packets <= 22.0 gini = 0.046 samples = 42 value = [41, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0 0] class = BENIGN
gini = 0.645 samples = 11 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 11, 0 0] class = Web Attack - Brute Force
gini = 0.0 samples = 13 value = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 13 0] class = Web Attack - Sql Injection
gini = -0.0 samples = 41 value = [41, 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