

TABLE 1. Comparison of Performance by Intrusion Type with previous studies.

Intrusion Type	CM-CIC-IDS-2017	CM-UNSW-NB15	Yang et al.	Nguyen et al.
Benign	99	100	100	83
DoS Slowhttptest	100	100	96	
PortScan	100	100	99	
DDoS	100	100	98	
DoS slowloris	100	98	99	
DoS GoldenEye	100	99	99	
Dos Hulk	100	97	100	
FTP-Patator	100	100	100	
SSH-Patator	100	100	97	
Web Attack-Brute Force	99	99	78	
Bot	96	73	79	
Web Attack-XSS	3	5	33	
Infiltration	50	72	0	
Heartbleed	100	83	100	
Web Attack-Sql Injection	0	0	0	
Generic	80	99		97
Exploits	99	89		84
Fuzzers	20	51		44
DoS	0	4		24
Reconnaissance	34	77		77
Analysis	0	3		0
Backdoor	0	6		1
Shellcode	16	22		39
Worms	0	12		11