

## Appendix B

Table 1: Training Datasets Configuration of Two MC Datasets

Attack type		Number of instances	
		MC-CIC-IDS2017	MC-UNSW-NB15
Reconnaissance	PortScan	111,363	111,349
	Web-Attack-Brute force	1,041	940
	Web attack-XSS	450	450
	Web attack-sql injection	15	9
	heartbleed	7	13
Access	FTP-Patator	5,541	2,794
	SSH-Patator	4,187	2,052
	Bot	1,356	840
	Infiltration	23	40
	Backdoor	2,877	1,654
	Shellcode	593	1,044
	Exploits	41,472	31,295
	Fuzzers	18,023	17,041
	Worms	70	115
DoS	DoS Hulk	4,010	6,045
	DDoS	89,543	67,189
	DoS GoldenEye	7,203	6,083
	DoS slowloris	3,832	6,162
	DoS Slowhttptest	161,669	112,755
Malware	Generic	12,687	150,701
	Analysis	1,190	1,870