The UNSW-NB15 Source Files

The raw network packets (Pcap files) of the UNSW-NB 15 data set is created by the IXIA PerfectStorm tool in the Cyber Range Lab of the Australian Centre for Cyber Security (ACCS) for generating a hybrid of real modern normal activities and synthetic contemporary attack activities. The UNSW-NB15 source files are provided in different formats, Pcap files, BRO files, Argus Files and CSV files. The source files of the data set were divided based in the date of the simulation 22-1-2015 and 17-2-2015, respectively. The descriptions of these simulations are provided in the report files to show the network configurations and the actions of the attack types during the simulation.

The folders of the UNSW-NB15 data set can be outlined as follows.

1. Pcap files 1.1 Pacps 22-1-2015 **1.2** Pcaps 17-2-2015	**2. BRO files** 2.1 BRO 22-1-2015 **2.2** BRO 17-2-2015
3. Argus files 3.1 Argus 22-1-2015 **3.2** Argus 17-2-2015	**4. Report Files** 4.1 Report 22-1-2015 **4.2** Report 17-2-2015
5. CSV Files (for classification purposes) **5.1 As in this paper:** Moustafa, Nour, and Jill Slay. "UNSW-NB15: a comprehensive data set for network intrusion detection systems (UNSW-NB15 network data set)."Military Communications and Information Systems Conference (MilCIS), 2015. IEEE, 2015.	

To who intend using the UNSW-NB15 data set has to cite the two following papers that elaborate its creation.

1. Moustafa, Nour, and Jill Slay. "UNSW-NB15: a comprehensive data set for network intrusion detection systems (UNSW-NB15 network data set)."*Military Communications and Information Systems Conference (MilCIS), 2015*. IEEE, 2015.
2. Moustafa, Nour, and Jill Slay. "The evaluation of Network Anomaly Detection Systems: Statistical analysis of the UNSW-NB15 data set and the comparison with the KDD99 data set." *Information Security Journal: A Global Perspective* (2016): 1-14.

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