



[International Conference on Energy Systems, Drives and Automations](#)

ESDA 2021: **Energy Systems, Drives and Automations** pp 389–397

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A Review of DDoS Evaluation Dataset: CICDDoS2019 Dataset

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Conference paper | [First Online: 21 August 2023](#)

84 Accesses

Part of the [Lecture Notes in Electrical Engineering](#) book series (LNEE, volume 1057)

Abstract

DDoS assaults are a danger to network security because they overwhelm target networks with malicious traffic, making them unusable as a result. One of the most significant concerns is the lack of a real-time DDoS attack detector that requires low processing power. When it comes to testing novel detection algorithms and approaches, good datasets are vital. After evaluating current datasets, the authors of this paper propose a new DDoS taxonomy. After that, we produce a new dataset, CICDDoS2019 that addresses all of our issues. Third, we offer a new family detection and classification technique based on network flow features extracted from the created dataset, which we call FlowNet. Finally, we rank the most relevant feature sets for identifying distributed denial-of-service (DDoS) assaults.

Keywords

DDoS **Attacks** **Dataset** **TCP** **UDP**

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