Abstract

In any network based system and organization identifying the possible attacks is very crucial and important to perceive the data integrity and security. Researchers are working in this field and several works is in progress. Due to the immense use, frequently updating in the data structure and large number of intrusions nature variability there are lot of scope in this area in terms of intrusion detection and classification. The main aim of this paper is to explore the gaps in the previous techniques and find out the methodologies by which any kind of hybridization is possible which can be capable in improving the classification accuracy.

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**Index Terms**

Computer Science  
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**Keywords**

Intrusion detection techniques, KDD, DOS, U2R, R2L and probe