EFFICIENT INTRUSION CLASSIFICATION IN NETWORK USING SUPERVISED DATA MINING TECHNIQUES

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ABSTRACT

Security is a vast area of research. As we know there are three level of security which we are generally using. At first level we can assign user id and password, at second level file permission (read, write, execute) is used and at third level of defense we can use encryption and decryption. But these security levels provide static protection against intrusions. In this paper we are proposed a model for dynamic protection against intrusions.In this paper, well known intrusion dataset kddcup99 used for simulation purpose. This experimental model contains Information gain (IG) for dimension reduction, C4.5 for classifying attack classes and Random Forest used for optimization purpose..

KEYWORDS: Data Mining; C4.5; RF; IG, kddcup99