



RESEARCH ARTICLE

Various Approaches for Detecting Attacks in Intrusion Detection System

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Abstract— The rapid development of computer networks and more importantly internet has created many security problems such as ever growing new intrusions on computer network systems. To secure this system strong intrusion detection system has to be build. An intrusion detection system monitors all inbound and outbound network activity and identifies suspicious activities that attempting to break and violate security of system. In this paper we have taken review of various approaches of Intrusion detection which includes SVM (Support Vector Machine) system, SOM (Self Organising maps), MLP (Multi-Layer Perceptron). For detecting intrusions this approaches goes through three phases pre-processing in which raw data is converted into machine readable form then training of data is performed and in the last measure the performance on testing data.

Key Terms: - Intrusion Detection, Multi-Layer Perceptron, Self-Organising Maps, Support Vector Machine.

<http://www.ijcsmc.com/docs/papers/March2013/V2I3201301.pdf>