

Proposed Anticipating Learning Classifier System for Cloud Intrusion Detection (ALCS-CID)

Authors : Wafa' Slaibi Alsharafat

Abstract : Cloud computing is a modern approach in network environment. According to increased number of network users and online systems, there is a need to help these systems to be away from unauthorized resource access and detect any attempts for privacy contravention. For that purpose, Intrusion Detection System is an effective security mechanism to detect any attempts of attacks for cloud resources and their information. In this paper, Cloud Intrusion Detection System has been proposed in term of reducing or eliminating any attacks. This model concerns about achieving high detection rate after conducting a set of experiments using benchmarks dataset called KDD'99.

Keywords : IDS, cloud computing, anticipating classifier system, intrusion detection

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