

عنوان مقاله:

Providing an intelligent intrusion detection system in cloud environments based on Smart heterogeneous detection method

محل انتشار:

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خلاصه مقاله:

Development of computer networks and connection between important information in these networks has turned many researchers' attention towards the issue of computer networks security. Various approaches have been suggested for improving computer networks security. Intrusion detection systems detect abnormal behaviors by examining users' behaviors and the existing information in attacks. By introducing an intrusion detection system based on the heterogeneous detection technique, in this study we aimed to not only increase precision and reduce the percentage of false errors but also lower intrusion detection system-related processing fees. The proposed system was implemented in the Matlab software and compared with the neural network-based intrusion detection system. The results indicate that the intrusion detection system based on the heterogeneous detection technique enjoys higher precision and shorter processing time.

کلمات کلیدی:

Intrusion detection System, Cloud computing, heterogeneous detection technique, intelligent network, security

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