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Intrusion Detection Using Genetic Algorithm .

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Abstract : Literature reported that intrusion detection is one of the important areas of research . Our work has explored the possibility of integrating the fuzzy logic with data mining methods using Genetic Algorithms for intrusion detection. The reason for introducing fuzzy logic is two fold , The first being the involvement of many quantitative features where there is no separation between normal operations and anomalies . The fuzzy association rules can be mined to find the abstract correlation among different security features . We have proposed architecture for intrusion detection methods by using Data Mining algorithms to mine fuzzy association rules by extracting the best possible rules using Genetic Algorithm .