Abstract

Network anomaly is a condition that occurs in a network traffic which causes an abnormal condition. To detect network anomalies we need a computer system known as Intrusion Detection System (IDS). Detecting an attack has several disadvantages and advantages. Lack of Anomaly-based IDS is high false positive and false negative, while the advantage of Anomaly-based IDS is detecting known and unknown anomalies. Testing network anomaly detection using hybrid algorithm is done with several scenarios to determine the accuracy of the resulting anomaly detection. In the analysis and testing phase, the anomaly detection produced the best accuracy of 99.89522%.