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(57) Abstract :

The present disclosure relates to a system and method to detect honeypot. The method includes tracking traffic to honeypot systems upon employing network sensors strategically placed within a network infrastructure for capturing and monitoring incoming traffic directed towards honeypot systems. The method also includes analysing the tracked traffic and extract information based on one or more objectives, upon employing advanced techniques and machine learning techniques for processing the captured traffic data and identifying patterns, anomalies, and suspicious activities. The method also includes generating at least one report for indicating the effectiveness of security measures for identifying areas requiring improvement.

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