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(57) Abstract :

An electronic system (100) and a method (300) for detecting Ransomware attacks is provided. The electronic system (100) includes a processor (102) and memory (104) that execute a set of instructions to detect Ransomware attacks. The electronic system (100) combines AI and ML approaches to identify and stop Ransomware assaults. Additionally, based on irregularities in the network and endpoint behavior, the electronic system (100) employs unsupervised machine learning methods to find undiscovered malware. The electronic system (100) has a user-friendly design, which can lower maintenance costs and make it simpler to operate. The electronic system's (100) integration with endpoint security features aid in preventing Ransomware infections on the devices.

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