System Surveillance using Keylogging Techniques

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Abstract: *In the present digital environment, system monitoring has become a critical issue in the maintenance of data integrity, user accountability, and organizational security. This paper goes into a detailed study of system surveillance wherein a keylogger is implemented. The research involves carrying out an extensive survey among different groups of users- to analyze awareness, perceptions, and potential risks involved in keyloggers. It utilizes the data to crystallize a narrow, well-defined problem statement with an emphasis on the need for efficient ethical supervision. This study establishes in line with controlled environments within Keylogger-based monitoring, balancing intrusion as per the expected output and approaching the dimensions of intrusion given the bounds of monitoring for the system. We have proposed the cost estimation for implementation- covering hardware, software, and maintenance. Thus both qualitative and quantitative analyses are laid, giving insights on deployment mechanisms, data handling, and ethical considerations. This work shall contribute as a trailblazer for further research in developing more secure, cost-efficient, and scalable surveillance systems using keylogger technology.*

Keywords: System Surveillance, Keylogger, Tracklify, User Activity Monitoring, Data Collection, Problem Statement, Monitoring Tools