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# Data Leakage Detection and Prevention: Review and Research Directions

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## Abstract

Disclosure of confidential data to an unauthorized person, internal or external to the organization is termed as data leakage. It may happen inadvertently or deliberately by a person. Data leakage inflicts huge financial and nonfinancial losses to the organization. Whereas data is a critical asset for an organization, recurrent data leakage incidents create growing concern. This paper defines data leakage detection and prevention system and characterizes it based on different states of data, deployment points and leakage detection approaches. Further, this paper follows a systematic literature review considering a