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(57) Abstract :
A system (100) and a method (200) for cloud-based data loss prevention (DLP) is provided. The system (100) offers a comprehensive solution to address the critical need for effective data security in the era of cloud computing and remote work. By leveraging machine learning algorithms and pattern matching algorithms, the system (100) enables real-time monitoring and analysis of data to identify sensitive information accurately. The system (100) allows for easy access from anywhere with an internet connection. The system (100) prevents the unauthorized transmission of sensitive data. By enforcing predefined policies and rules, the system (100) ensures that sensitive information remains within authorized boundaries, reducing the risk of data loss. The system (100) significantly enhances data security. The system (100) provides organizations with the confidence and peace of mind that their sensitive information is protected against unauthorized access, data breaches, and insider threats.

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