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(57) Abstract :

The invention relates to a cloud-based framework for automated backup and recovery (100) designed to ensure operational continuity and resilience. It comprises an intelligent scheduler (110) for dynamic backup, a multi-region redundancy module (120) for disaster recovery, a real-time monitoring system (130), and an encryption module (140) for secure data handling. Additionally, an integration layer (150) ensures compatibility with diverse IT systems, while a recovery module (160) automates restoration. This framework enhances reliability, minimizes downtime, and reduces administrative overhead.

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