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(57) Abstract :

The invention discloses a cloud-supported tool for automated cross-device data synchronization comprising a device client (101), synchronization engine (102), conflict resolver (103), encryption module (104), cloud storage unit (105), and dashboard (106). The system provides real-time synchronization, AI-driven conflict resolution, encryption-based security, offline support, and hybrid peer-to-peer synchronization. It ensures seamless, secure, and scalable cross-platform data consistency for personal, enterprise, and industrial applications.

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