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(57) Abstract :

The invention discloses a blockchain-enabled platform (100) for secure cloud data exchange, integrating blockchain network (101), cloud storage nodes (102), access control manager (103), smart contract layer (104), encryption module (105), and data users (106). It ensures immutable audit trails, automated access control, compliance enforcement, interoperability, and data confidentiality. By combining on-chain metadata with off-chain encryption, the invention provides a scalable and tamper-proof solution for enterprises requiring secure, transparent, and trustworthy cloud-based data collaboration.

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