

SECURITY TECHNOLOGIES

HOMOMORPHIC ENCRYPTION

Enable 3rd-party sharing of data to uncover new consumer patterns. Homomorphic encryption allows processing and computations to be done on encrypted data without the need for it to be decrypted. This allows companies to preserve privacy and security while sharing data between parties.

SUITABLE FOR

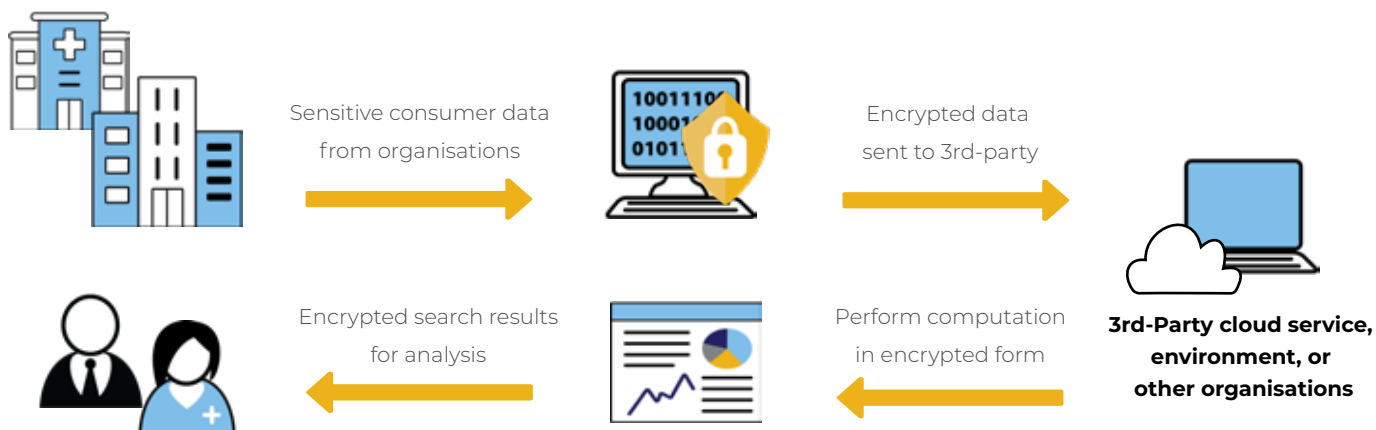
Any organisation that requires transferring sensitive data



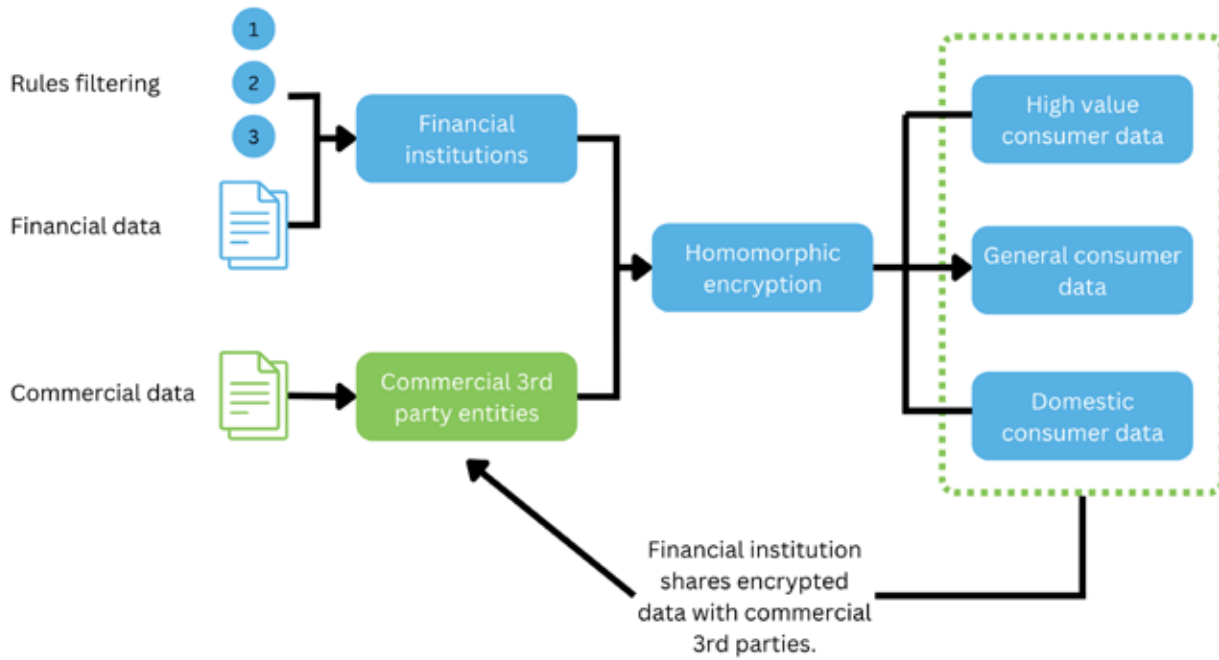
USE CASES

- Businesses can securely store and process sensitive data even on cloud storage services
- Organisations can safely allow 3rd party analysts to search through data without revealing sensitive information
- Financial institutions and mobile network providers, for example, sharing encrypted customer data to discover new consumer insights
- Data owners can share their data with machine learning (ML) model providers to perform analyses without exposing the underlying model

“DATA YOU CAN TOUCH BUT CAN'T SEE”



- **Privacy:** Homomorphic algorithms ensure that encrypted data remains confidential and can only be decrypted by authorised persons
- **Homogenous:** Homomorphic encryption algorithms can be added and multiplied in a cryptographic state and the results are also in cipher form
- **Composite:** Mathematical operations can be performed on multiple ciphers and the raw data represented by these ciphers do not need to be exposed
- **Verifiable:** The integrity of the cipher can be determined without the need to decrypt the cipher



KEY BENEFITS

- ✓ Data privacy protection encryption technology
- ✓ Computational operations can be performed without the need for decryption
- ✓ Provides a means for data to be shared and used in encrypted form between parties
- ✓ Enables the secure and efficient use of data without the risk of data exposure

About Goldpac Fintech

Goldpac Fintech is a subsidiary of Goldpac Group which was established in 1993 and listed on the Hong Kong stock exchange. For over three decades, Goldpac has maintained its leading position as a fintech pioneer, providing intelligent and secure payment solutions to over 1,000 large and medium-sized organisations across 30 countries and regions. It is one of the largest suppliers of smart payment solutions in the world.

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