

Use Case

Stop SIM swap fraud before it compromises accounts

The threat of SIM swap fraud

SIM swap fraud presents a significant threat to both individuals and financial institutions. Fraudsters hijack a mobile number, bypassing multi-factor authentication (MFA) to gain access to sensitive accounts. By swapping or transferring a SIM card, they exploit vulnerabilities in mobile provider security. Combined with stolen personal information, this technique provides an entry point for unauthorised account takeovers (ATOs).

While preventing the SIM swap itself can be difficult, Cleafy focuses on proactively stopping the resulting ATO attempts. Our approach ensures customers and financial institutions are protected before fraudsters can exploit compromised credentials.

How Cleafy detects SIM swap fraud

Cleafy uses a sophisticated system that correlates behavioural, transactional, and device-based anomalies in real-time, providing unmatched fraud detection.

Behavioural anomalies

- Unrecognised devices or networks
- Out-of-pattern biometric intelligence behaviour
- Suspicious geolocation shifts



Transactional red flags

- Transfers to unfamiliar payees
- Transactions outside usual spending patterns
- Large transfers to new regions



Device intelligence

Shared device usage - multiple users accessing from one device



By analysing these factors collectively, **Cleafy** identifies and interrupts fraudulent activities without disrupting legitimate user experiences.

Proven capabilities that make the difference

User behaviour prediction

Advanced machine learning interprets behaviour and biometric cues to validate identities before authentication concludes.



Tamper detection

Proprietary technology detects unauthorised content manipulation, even with new and unrecognised malware.



Risk propagation

By linking compromised victim devices to associated fraudster devices, Cleafy amplifies detection and response capabilities.



Real-time threat intelligence

Continuous updates from Cleafy's dedicated team ensure early identification of emerging ATO tactics.

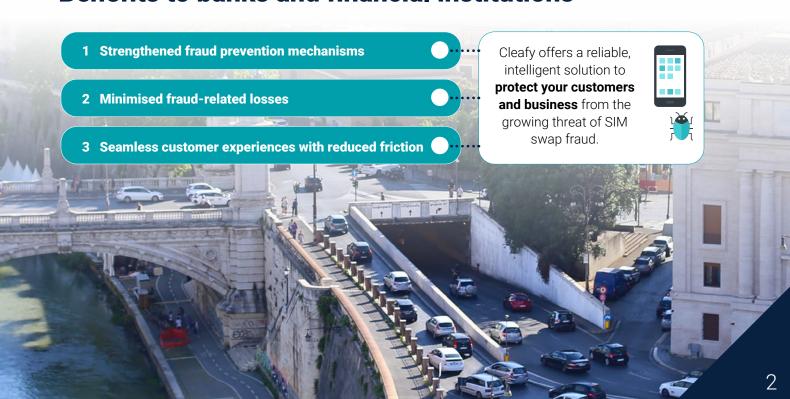


Customisable defence responses

Tailored responses align seamlessly with institutional needs, balancing security and usability.



Benefits to banks and financial institutions



Protecting against tomorrow's threats today

Global presence

Cleafy secures billions of transactions from over 100 million accounts globally.



Innovation

79 technology patents and ongoing advancements.



Customer trust

100% customer retention year on year.



Learn more today

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