API Datasheet
SIM Swap

Discover a robust solution that fortifies digital identities. Our SIM Swap Protection shields against identity takeover by monitoring and identifying suspicious SIM swap activities. Elevate security, build trust, and safeguard your users' accounts with our cutting-edge technology. Explore how we're transforming digital landscapes-one secure connection at a time.

CHARACTERISTICS

- **Focus on Addressing Fraud Related to Anomalous SIM Swap Events. These events could potentially compromise the secure use of the subscriber number in security applications.**
- **Detection of Risk from Recent SIM Swap. A recent SIM swap could indicate a risk of account takeover fraud.**
- **The information gained from detecting a recent SIM swap enables taking appropriate security actions based on the identified risk level.**

INDUSTRIES

FINANCIAL SERVICES & INSURANCE

SOCIAL & CUSTOMER ENGAGEMENT

ICT SERVICES

SERVICES

IDENTITY

PRODUCT FEATURES

- ❖ Seamlessly verify if a SIM Swap has been executed within a specified timeframe. Enhance your application's security by detecting potential identity takeover attempts through historical SIM swap activities.

- ❖ Effortlessly obtain the timestamp of the most recent MSISDN <-> IMSI pairing change for a mobile device. Enhance your application's security with the ability to track and monitor SIM swap activities, empowering timely responses to potential threats.

BENEFITS

- ✓ Thanks to the SIM Swap API, it's possible to detect potentially fraudulent actions before creating new user accounts.

- ✓ CAMARA's standardized SIM Swap API streamlines development, saving time and effort, and ensures a consistent, reliable user experience for efficient solutions.

- ✓ Elevate 2FA with SIM Swap API's contextual layer for real time transaction risk assessment. Like upgrading risk evaluation, ensuring identity and transaction security. Developers craft a smart, adaptive security solution against evolving threats.

POPULAR USE CASES

BANK TRANSACTIONS

FINANCIAL SERVICES & INSURANCES

Services: Identity

Integrating the SIM Swap API can bolster Transaction Authentication Number (TAN) procedures. By adding an extra layer of verification through SIM Swap, banks can ensure that TAN-based transactions are not only authorized by the user but are also executed through a secure SIM environment, minimizing the risk of unauthorized access and fraudulent actions.

SECURITY ENHANCEMENT: 2FA & SIM SWAP

SOCIAL & CUSTOMER ENGAGEMENT

Services: Identity

The CAMARA API empowers smart cities' mobility sector with carrier billing, enabling effortless payments for ride-sharing, public transport, parking, and bike-sharing services. Users can pay directly through their mobile carrier accounts, simplifying the payment process and enhancing convenience in smart city environments.

HEALTHCARE APPLICATION ACCESS

ICT SERVICES

Services: Identity

Incorporating SIM Swap into health applications enhances security for accessing sensitive medical data. SIM Swap aligns with regulations, fortifying digital healthcare. SIM Swap becomes a pivotal tool in securing electronic health records, telemedicine sessions, and remote monitoring systems, contributing to the evolving landscape of healthcare services.

GETTING STARTED WITH SIM SWAP API

01 **CHOOSE A CHANNEL PARTNER**

Select a suitable channel partner or aggregator that offers integration with the Open Gateway API to meet your needs.
Contact an expert to get more information about the channel partners availability or to become a new Open Gateway Partner.

02 **DEVELOPER REGISTRATION**

To use Open Gateway Products, you must undergo a registration process that includes signing up on both the
Channel Partner and Operator platforms.

03 **SIM SWAP API CONSUMPTION**

After subscribing and sharing credentials, you can access the Open Gateway Product on registered Operators, making
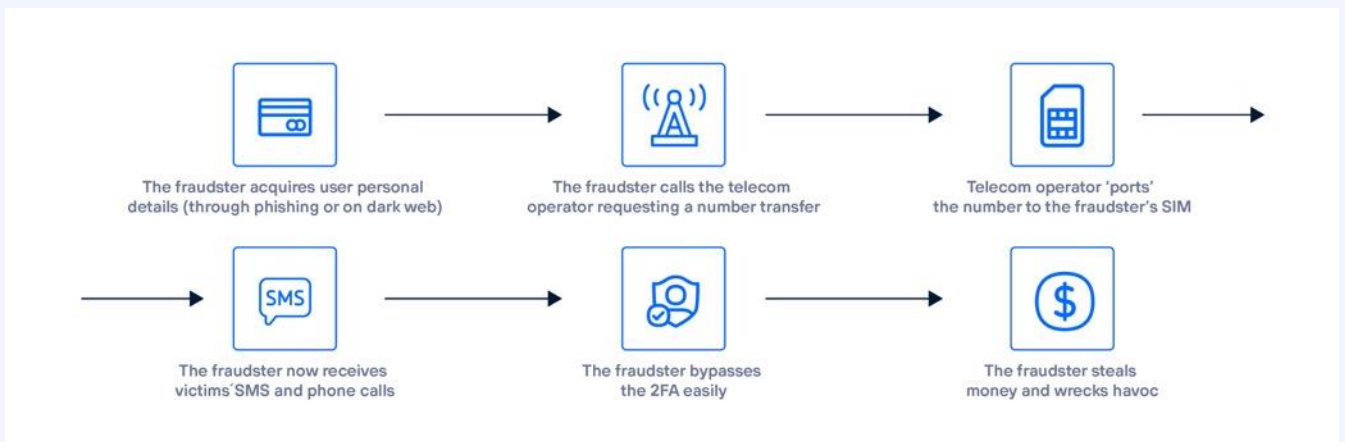API calls through the Channel Partner's gateway.

04 **PRIVACY MANAGEMENT**

Some Open Gateway Products require end user consent to access Operator's network capabilities on their behalf.

PRODUCT SPECIFICATIONS

AUTHORIZATION	PI-scope: check-sim-swap, retrieve-sim-swap-date
APLICABLE AUTHENTICATORS FOR ACQUIRING USER CONSENT	Explicit consent is not needed because Legitimate Interest is considered as legal basis for the anti-fraud purpose.
API DOCUMENTATION	https://telefonica.github.io/opengateway-technical-documentation/sim-swap/
INPUT PARAMETERS	{"phoneNumber": "+346661113334", "maxAge": 240}
SERVICE RESPONSE	{"swapped": true}

EXAMPLE SIM SWAP SCAM

The fraudster acquires user personal details (through phishing or on dark web)

The fraudster calls the telecom operator requesting a number transfer

Telecom operator 'ports' the number to the fraudster's SIM

The fraudster now receives victims´ SMS and phone calls

The fraudster bypasses the 2FA easily

The fraudster steals money and wrecks havoc

FURTHER INFORMATION

Join the **Telefónica Open Gateway Developer Hub** to test our API, develop use cases and improve user experiences.

If you are interested in the potential of Telefónica Open Gateway initiative and you are willing to collaborate with us, **access our Partner Program.**

For further questions about the initiative **contact our experts.**