

API Datasheet

Number Verification

Tired of passwords and SMS codes? Open Gateway Number Verification API simplifies the validation processes when registering in a new app, validating a banking app transaction or recovering your lost password, using secure telco mechanisms based on your mobile connection.



CHARACTERISTICS

- **Transparent and frictionless authentication** method for applications
- **Fast and secure registration**, improving the conversion rates and customer satisfaction
- **Protects customer privacy** compared to other OTT authentication methods
- **Works on any internet enabled mobile device** connected to carrier mobile data network

INDUSTRIES

E-COMMERCE & RETAIL

MEDIA, ENTERTAINMENT & XR

FINANCIAL SERVICES & INSURANCE

SERVICES

IDENTITY
FINTECH

PRODUCT FEATURES

- ❖ A standardized API streamlines network authentication integration, eliminating the need for custom implementations per telco operator, thus expediting development and reducing time-to-market.
- ❖ The standardized API offers consistent access to diverse telco capabilities, like payment processing, subscription management, and user authentication, via a single interface, ensuring uniformity and versatility across various operators and markets.
- ❖ The standardized CAMARA Number Verification API facilitates and secures the access to applications and onboarding processes. Using a transparent mechanism ensures the best user experience and improves conversion rates.

BENEFITS

- ✓ CAMARA API is developer-friendly and easy to set up.
- ✓ Number Verification API boost onboarding and registration process
- ✓ Number Verification secures app transactions like bank payments without affecting user experience.
- ✓ Transparent, secure and standard. Number Verification is the universal authentication method that mobile applications need.

POPULAR USE CASES

APP ONBOARDING

MEDIA, ENTERTAINMENT & XR

Services: Identity & Fintech

SMS OTP is widely used to prove that the user is in possession of the mobile device associated with the mobile number used for registration. The application can instead request a seamless authentication of the mobile device via the Number Verification CAMARA API.

LOGIN & TRANSACTIONS

FINANCIAL SERVICES & INSURANCES

Services: Identity & Fintech

The CAMARA Number Verification API improves the user experience when validating a bank transaction or login in an application. In place of username/password or a manual SMS OTP, the application can request seamless authentication of the mobile device.

PASSWORD RECOVERY

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Services: Identity & Fintech

As in the app onboarding use case, the application can request a seamless authentication of the mobile device via the Number Verification CAMARA API, instead of complex recovery processes interacting with other services like SMS or email.

GETTING STARTED WITH NUMBER VERIFICATION 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 PRODUCT DISCOVERY

You can access the Open Gateway Number Verification Service through the Channel Partner's developer portal.

03 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.

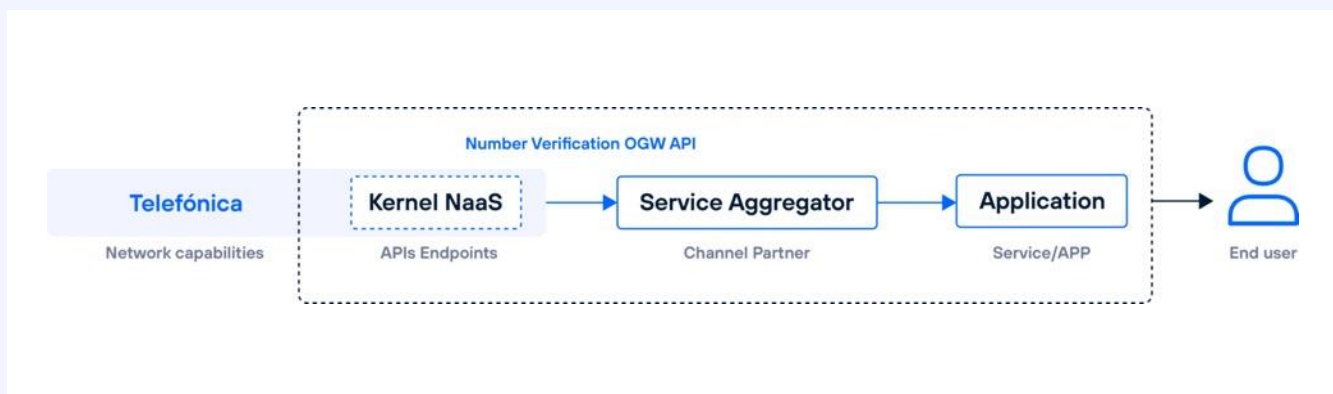
04 NUMBER VERIFICATION API CONSUMPTION

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

PRODUCT SPECIFICATIONS

AUTHORIZATION	Pi-scope: number-verification-verify-read
API DOCUMENTATION	https://telefonica.github.io/opengateway-technical-documentation/number-verification/
INPUT PARAMETERS	Hashed phone number. SHA-256 (in hexadecimal representation) of the mobile phone number in E.164 format (starting with country code). Optionally prefixed with '+'.
SERVICE RESPONSE	boolean (DevicePhoneNumberVerified) Number verification. True, if it matches

EXAMPLE USER FLOW



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](#)**.

