API Datasheet
Home Devices QoD

Enable third-party clients to dynamically configure and manage Quality of Service (QoS) behaviours for devices connected to a user's home Wi-Fi network. It provides tools for optimizing data delivery and improvement of the user experience for various applications running on home devices.

CHARACTERISTICS

- **Offers on-demand QoS control in Wi-Fi connected devices.**

- **Customization of network environments for specific applications.**

- **Content delivery optimization, network latency reduction, and support for multi-user experiences**

INDUSTRIES

MEDIA, ENTERTAINMENT & XR

ICT SERVICES

SERVICES

CONNECTIVITY
COMMUNICATIONS XR

PRODUCT FEATURES

- ❖ Oversee and fine-tune the performance of devices linked to the user's home router.

- ❖ Provides eight levels of traffic prioritization within the home network, ensuring that data flows are treated appropriately based on their importance and requirements.

- ❖ Multi-user experiences support with synchronization and latency reduction features to ensure smooth collaboration.

BENEFITS

- ✓ Enhancement of telecommuting apps with better communication, video, and data streaming.

- ✓ With this standardized API, developers can seamlessly Quality of Service (QoS) capabilities into the home environment.

- ✓ Developer-friendly model, allowing to save valuable time and ensuring a reliable user experience.

POPULAR USE CASES

TELE-WORKING
ICT SERVICES
Services: Connectivity

The powerful QoD Wi-Fi can provide users with an exceptional remote working experience. Employees can accomplish an enhanced communication by prioritizing calls and video conferences for effective remote communication, ensure uninterrupted content streaming for presentations and maintain peak performance for critical business applications.

SMART DEVICES
ICT SERVICES
Services: Connectivity

Elevate your smart device offerings with the cutting-edge capabilities of the Home Devices QoD API. Offer your customers with an unparalleled level of control and performance for their connected devices, including thermostats, security cameras, and lighting systems by seamlessly prioritizing and optimizing their performance.

STREAMING
MEDIA, ENTERTAINMENT & XR
Services: Connectivity

Offer your customers uninterrupted streaming of movies, TV shows, and content, creating a captivating and immersive entertainment ecosystem. Furthermore, provide the possibility to optimize online gaming experiences with lag-free connection and reduced latency, giving gamers the competitive advantage, they desire.

VR & XR
MEDIA, ENTERTAINMENT & XR
Services: Connectivity

Leverage Quality of Service (QoS) mechanisms to slash network latency. Have the possibility to harness advanced algorithms for smooth, efficient content delivery, eliminating interruptions and enhancing delivering a hyper-realistic and highly immersive experience, ideal for demanding VR and XR applications.

GETTING STARTED WITH HOME DEVICES QOD API

01 **CHOOSE A CHANNEL PARTNER**

Select a suitable channel partner or payment 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 Telefónica 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 **QOD WIFI 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.
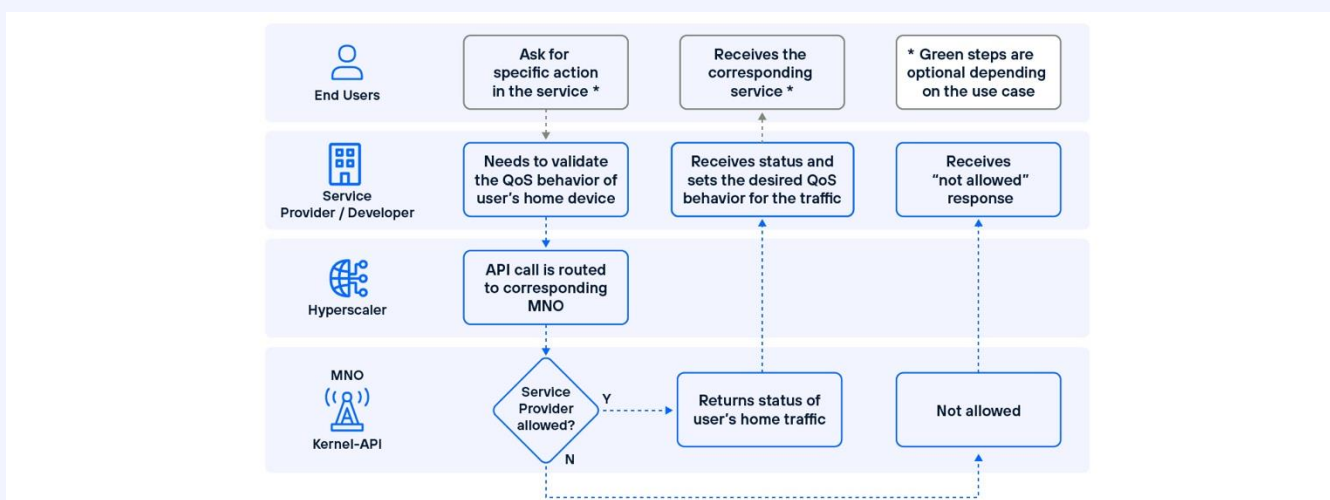
04 **PRIVACY MANAGEMENT**

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

PRODUCT SPECIFICATIONS

AUTHORIZATION	**Pl-scope: home-devices-qod-qos-write**
API DOCUMENTATION	https://telefonica.github.io/opengateway-technical-documentation/qod-home-devices/
INPUT PARAMETERS	**{"serviceClass": "real_time_interactive",** **"ipAddress": "192.168.1.27"}** **// serviceClass: The name of the service class requested by the API client. It is associated with QoS behaviours optimised for a particular application type.** **// Allowed values: "real_time_interactive" "multimedia_streaming" "broadcast_video" "low_latency_data" "high_throughput_data" "low_priority_data" "standard"**
SERVICE RESPONSE	**{"status": 400,** **"code": "INVALID_ARGUMENT",** **"message": "Client specified an invalid argument, request body or query param"}**

EXAMPLE USER FLOW