Giesecke+Devrient

AirOn360® ES
Entitlements-as-a-Service

We are proud to offer a world-first Entitlements-as-a-Service solution. AirOn360® ES is designed to drive the best customer experience for your customers. Our Platform-as-a-Service (PaaS)-based Entitlements approach makes AirOn360® ES the perfect fit for Mobile Network Operators seeking to gain a competitive edge in the market.

Up and Running Within Weeks
We understand that speed and efficiency are key factors in today's fast-paced business environment, and we have optimized our solution to ensure a quick and seamless implementation process. With AirOn360® ES, it only takes a few weeks to launch entitlements, and in a very cost effective way.

Apple Watch and eSIM Quick Transfer
AirOn360® ES provides access to the latest OEM products, including Apple Watch, and enhanced features, such as eSIM Quick Transfer, opening the door to increased revenue and optimum digital experiences. AirOn360® ES also provides support for many other use cases, including 5G, WiFi-calling, VoLTE.

"eSIM use will continue
to increase significantly,
so mobile operators need
solutions that support
convenient eSIM management,
both from their own and from
the customer's point of view"

Philipp Schulte,
Head of Connectivity and IoT at G+D

Why operators require an Entitlement Server
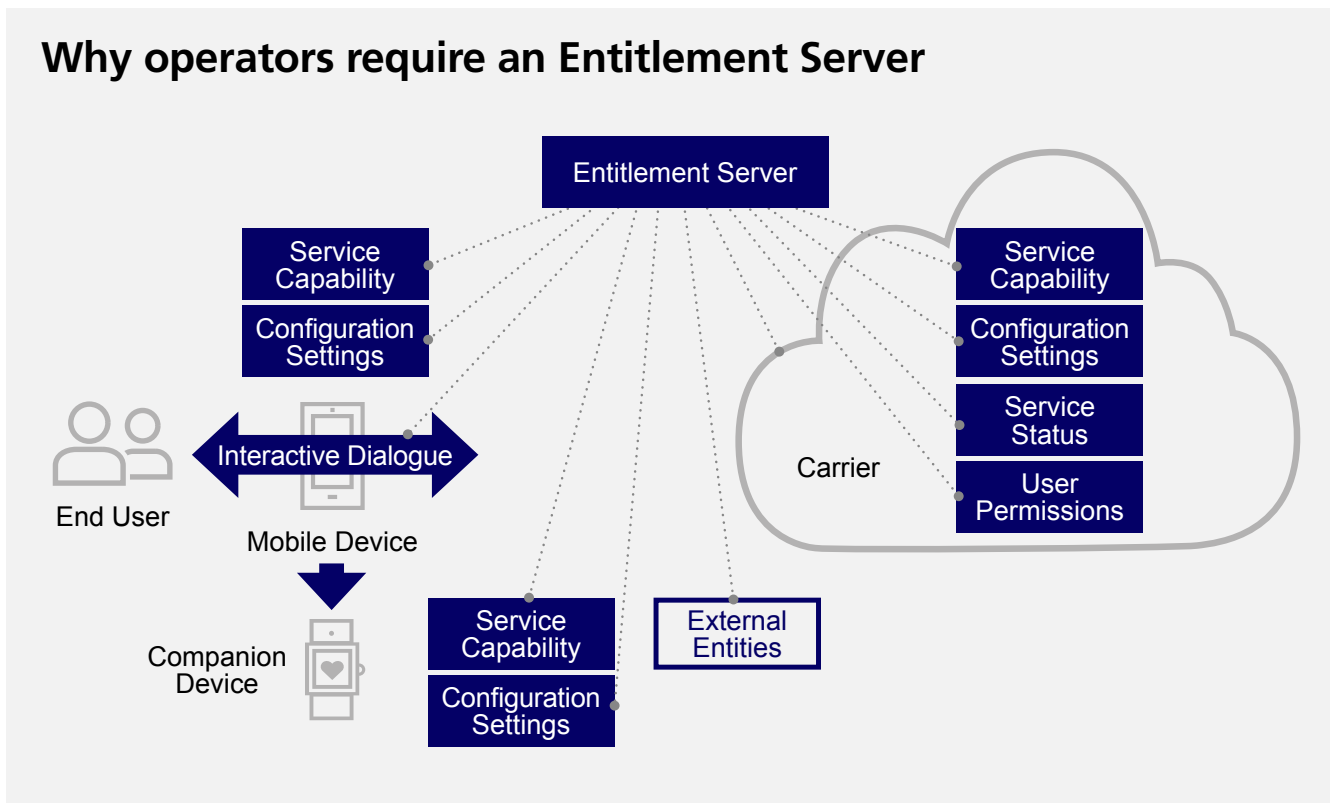
The Role of Entitlement – The Entitlement Server

The Entitlement Server (ES) plays a crucial role in the management and control of mobile services and features. The ES acts as a centralised backend entity that enables mobile operators to provision and authenticate various services on end-user devices. It is responsible for mapping the capabilities of different mobile devices and aligning them with the carrier's infrastructure. This ensures that specific services and features, such as eSIM, Watch, VoLTE and VoWiFi, are enabled only if the mobile carrier supports them.

Moreover, some services require specific configuration settings to operate optimally on a carrier network, and the ES ensures that such settings are matched on the user's device. If certain carrier services are not available on a given day, the ES can notify the device to avoid an inferior user experience, such as by greying out

menu options. Additionally, the ES can grant access to certain services based on the user's mobile subscription type and manage dialogues with users to obtain their agreement on terms and conditions.

The success of the ES has led to the inclusion of more services under its jurisdiction, such as Apple Watch, 5G, International Roaming, and Device Transfer. The ES has resulted in a vastly improved end-user experience, which would not have been possible otherwise. It achieves this by communicating directly with the mobile device, companion devices, infrastructure components within the mobile network, and relevant external entities. Thus, the ES enables mobile operators to tightly choreograph the end-user experience on a mobile device, ultimately resulting in better services for end-users.

AirOn360® ES – A World First Entitlements-as-a-Service

Self-service, Developer-led
Our self-service, developer-led approach to entitlements allows your developers to get started today, working at their own speed. You don't sign up commercially until you're happy the solution is right for you.

**We've introduced a very important evolution to Entitlements:**
We are following the leads of Stripe, Twilio and Atlassian by bringing their self-service, developer-led approach into the Telecoms world. You can get started right away by signing up to a free account on our Developer Portal. From there, you can select the use cases you require, build and test the necessary APIs in your OSS/BSS stack, then go live!
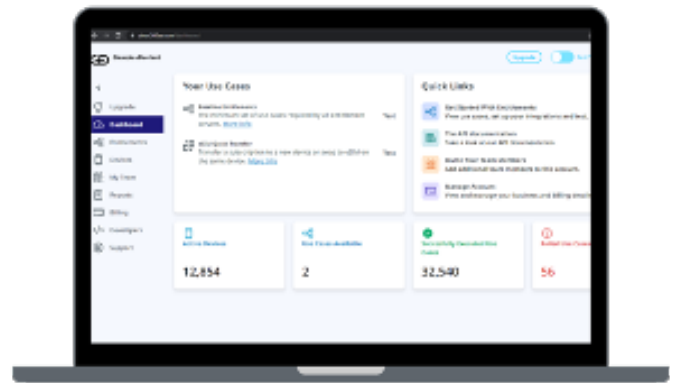
Entitlement use cases supported today

eSIM Quick Transfer

Allows your customers to transfer their subscription from their existing iPhone to the latest model in a seamless way, keeping them on your network. Also allows your customers to seamlessly migrate from SIM to eSIM on their existing device.
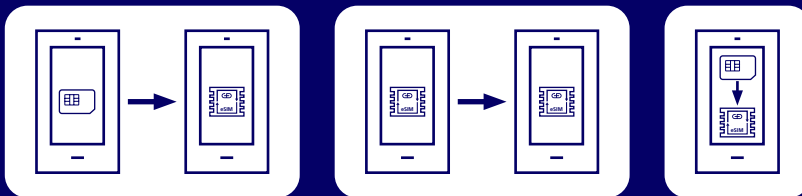
Apple Watch*

Manages eSIM provisioning of Apple Watch and seamless pairing with your customer's iPhone, opening up new revenue streams and increased ARPU, for which entitlements is mandatory.

5G

VoLTE

VoWiFi

TS.43

In addition to providing support for your customers' iOS devices, AirOn360® ES also covers all your customers using your Android devices. All on one solution, all within the same pricing model.

Baseline

As you would expect, AirOn360® ES covers all basic use cases, including device authentication (EAP-AKA), Apple Feature Registration (e.g. FaceTime), roaming list and hotspot tethering.

Ready for Future Use Cases

OEMs are releasing new use cases all the time. AirOn360® ES provides automatic access to new use cases without requiring a system upgrade. They appear in the Developer Portal as soon as they become available.

* currently available for OEM partner carrier only

Why choose AirOn360® ES?

Risk Free Offer: Try Before You Commit

We offer a risk-free trial of AirOn360® ES to prospective clients. Upon setting up a free account on our developer portal, your developers can choose from a selection of use cases, build necessary APIs, and test them automatically, all without any financial commitment or obligations. If satisfied, you may proceed to a commercial service, which can be achieved in a few simple steps.

Fast Deployment

Our Entitlements-as-a-Service (EaaS) approach simplifies and accelerates the carrier onboarding process. Unlike traditional methods that involve buying and managing servers, our cloud-based EaaS model is easily scalable and faster to use. With AirOn360® ES, carriers can implement and test required use case APIs within 4-6 weeks, resulting in a quicker deployment of service. This fundamentally changes the entitlements process, providing a faster and more efficient experience.

Self-Service, Developer-Led

Our self-service approach allows your developers to start working at their own pace today, streamlining the entitlements process. This model is an evolution for Entitlements, adopting the successful self-service model from the Internet world to the telecoms world. Sign up for a free account on our developer portal and gain access to various entitlement use cases, documentation, worked examples, and clear guidance on how to build necessary APIs in your OSS/BSS stack.

New Use Cases Automatically Available

As OEMs continue to introduce new use cases to support their product roadmap, AirOn360® ES provides automatic access to new use cases without requiring a system upgrade. They appear in the Developer Portal as soon as they become available.

New Use Case

New Use Case

eSIM Quick Transfer	**VoWiFi**	**Apple Watch**
Advanced Mobile Location	**Personal Hotspot**	**Visual Voicemail**
eSIM API	**Roaming List**	**Facetime Registration**
iMessage Registration	**Data APN**	**iCloud Registration**

Zero Transaction Commitment

No capex and no transaction commitments. We've adopted a Platform-as-a-Service approach, reducing the costs of providing service. You pay only a simple monthly fee for baseline services or a small transaction fee when an event adds value to your customers.

	AirOn360® ES
Fast deployment	✓
Self-service approach	✓
Developer-led approach	✓
Automatic addition of new use cases	✓
No CAPEX requirement	✓
Transparent pricing	✓
Zero transaction commitment	✓

Carrier Journey

1. Register for a free trial account
Sign up with your business information to open a free trial account

2. Select the Use Cases you want to support
Select the ones you want to offer to your customers
(eSIM Quick Transfer, 5G, Apple Watch etc).

3. Implement the APIs needed for your Use Cases
Use our comprehensive API specs to securely and reliably integrate
your OSS/BSS stack with our ES

4. Test your implementation
Validate your API implementation in our Test Suite

5. Upgrade to a Production account
Complete your business profile and commercial contract

6. Certify your Use Cases in Production
Deploy your APIs in your prod environment and certify your
implementation

7. Launch your Use Cases and make them available to your subscribers!
Contact us to get started

Sign up today → www.airon360es.com/signup

Contact us → Contact Form

About Giesecke+Devrient

Giesecke+Devrient (G+D) is a global SecurityTech company headquartered in Munich, Germany. G+D makes the lives of billions of people more secure. The company shapes trust in the digital age, with built-in security technology in three segments: Digital Security, Financial Platforms and Currency Technology.

G+D was founded in 1852 and today has a workforce of more than 14,000 employees. In the fiscal year 2023, the company generated a turnover of 3 billion euros. G+D is represented by 123 subsidiaries and joint ventures in 40 countries.

Further information: **www.gi-de.com**

G+D Giesecke+Devrient

Giesecke+Devrient Mobile Security GmbH
Prinzregentenstrasse 161
81677 Munich
Germany

www.gi-de.com
mobilesecurity@gi-de.com

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