

TM Forum Open APIs

Conformance Certification

*Company Name: **MATRIX Software***

*TM Forum Open API Name:
TMF635 – Usage Management*

*TM Forum Open API Release Version: **4.0.0***

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1. What Product or Solution does your API support?

The MATRXXX Convergent Charging and Digital Monetization platform delivers core digital real-time service control, monetization and subscriber enablement functions that are key to empowering modern service providers that are deploying new digital infrastructure in support of 5G. MATRXXX provides unmatched agility, performance, scalability and reliability in a highly configurable and flexible convergent charging solution across 5G, 4G, 3G (and even 2G) telecommunications services. In addition, MATRXXX Software is an innovator in leveraging modern cloud-native software technologies to support deployment on both leading-edge cloud-based infrastructure and more traditional on-premises options.

With MATRXXX, digital service providers can refine their value proposition and continuously deliver digital products and services to their highly engaged customers via a modern platform that enables a simpler, agile operating model. MATRXXX enables digital operators to provide a rich and intuitive experience to their customers, offer innovative services that are easily customized and support on-demand access and precise, real-time visibility and control.

At its core, MATRXXX leverages numerous innovations, including patented improvements in ultra-high speed transaction flow, geo-redundant clustering, decision processing and service-control optimization. Coupling these innovations with a broad set of interfaces across a variety of operational flows means that MATRXXX can significantly upgrade the ability of a service provider's technology core to tackle next generation service delivery challenges for years to come.

2. Overview of Certified API

The Usage API provides a standardized mechanism for usage management such as the creation, update, retrieval, import and export of a collection of usages. A usage is an occurrence of employing a Product, Service or Resource for its intended purpose which is of interest to the business and can have charges applied to it.

The MATRIXX Usage Management API supports the following resources and operations:

- Usage Specification
 - POST
 - GET
- Usage
 - POST
 - GET

From a MATRIXX perspective, the creation of usage through the POST/ Usage request has the additional benefit of triggering rating.

Deployed as a cloud native microservice, the MATRIXX Usage Management API is also continuously validated against the Cloud Native Computing Foundation CNF Test Suite as part of its CI/CD pipeline, demonstrating adherence to cloud native best practices.

3. Architectural View

MATRIXX TMF Open APIs act as a gateway to the MATRIXX DCP engine for client systems such as Order Management, CRM and Self Care. There is no dependency between the native MATRIXX REST API and TMF Open APIs. Each MATRIXX TMF Open API is an independent microservice built from a common framework, communicating directly with internal interfaces of the engine.



4. Test Results

Click here to view the test results: <MATRIXX-TMF635-HTMLResults.html>