

TM Forum Open APIs

Conformance Certification

*Company Name: **MATRIX Software***

*TM Forum Open API Name:
TMF640 – Service Activation Management*

*TM Forum Open API Release Version: **20.5 / 4.0***

Report Date: 29/03/2023

1. What Product or Solution does your API support?

The MATRXXX Digital Commerce Platform (DCP) 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. The MATRXXX DCP 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 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, the MATRXXX DCP 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 the MATRXXX DCP is able to 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

Services may be activated or configured by the Activation and Configuration API. In a MATRXXX context, Services equate to Subscriptions which represent the connection between a Device and the Products and Services the customer has purchased.

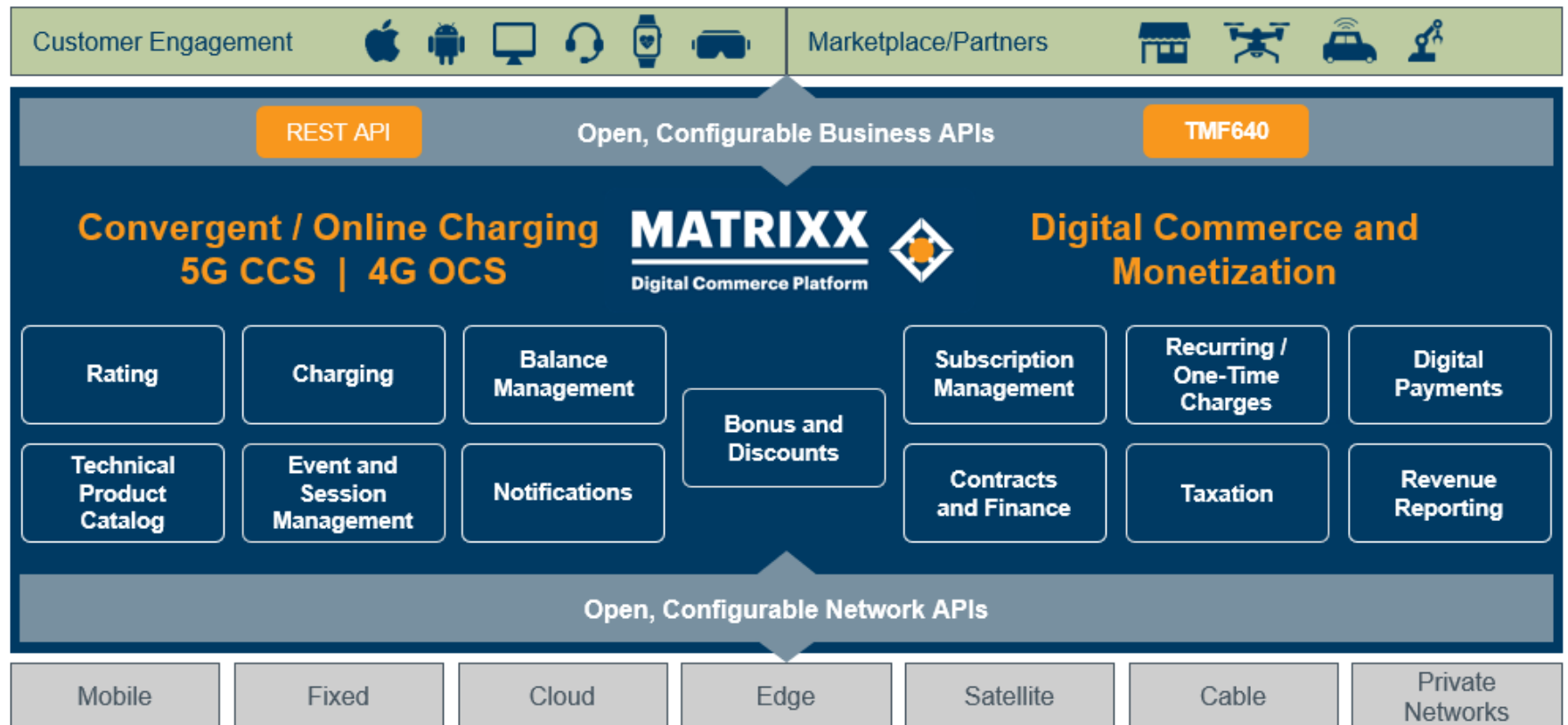
The API supports a specific set of operations as follows:

- POST /Service
 - Creation of a Subscription
 - Linking Devices, Users and Groups to the subscription
 - Purchasing Product Offerings for the subscription
- PATCH /Service
 - Linking and unlinking of Devices, Users and Groups to/from the subscription
 - Purchasing and cancelling Product Offerings against the subscription
- GET /Service
 - Retrieves all details of the Subscription
- DELETE /Service
 - Deletes a Subscription, subject to configured lifecycle rules

Deployed as a cloud native microservice, the MATRXXX Service Activation and Configuration 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

MATRIX X TMF Open APIs act as a gateway to the MATRIX X DCP engine for client systems such as Order Management, CRM and Self Care. There is no dependency between the native MATRIX X REST API and TMF Open APIs. Each MATRIX X 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 see the test results: [MATRIXX-TMF640 API-HTML Results](#)