TM Forum Open APIs

Conformance Certification

Company Name: **MATRIXX Software**

TM Forum Open API Name:
TMF632 – Party Management

TM Forum Open API Release Version: **19.0 / 4.0**

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1. What Product or Solution does your API support?

The MATRIXX 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 MATRIXX 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, MATRIXX 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 MATRIXX, 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. MATRIXX 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 MATRIXX 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 MATRIXX 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

Party is an abstract concept that represents an individual (person) or an organization that has any kind of relationship with an enterprise. The MATRIXX Party Management API supports the creation and maintenance of parties through the following resources and operations:

- Individual
    - POST
    - GET
    - PATCH
    - DELETE
- Organization
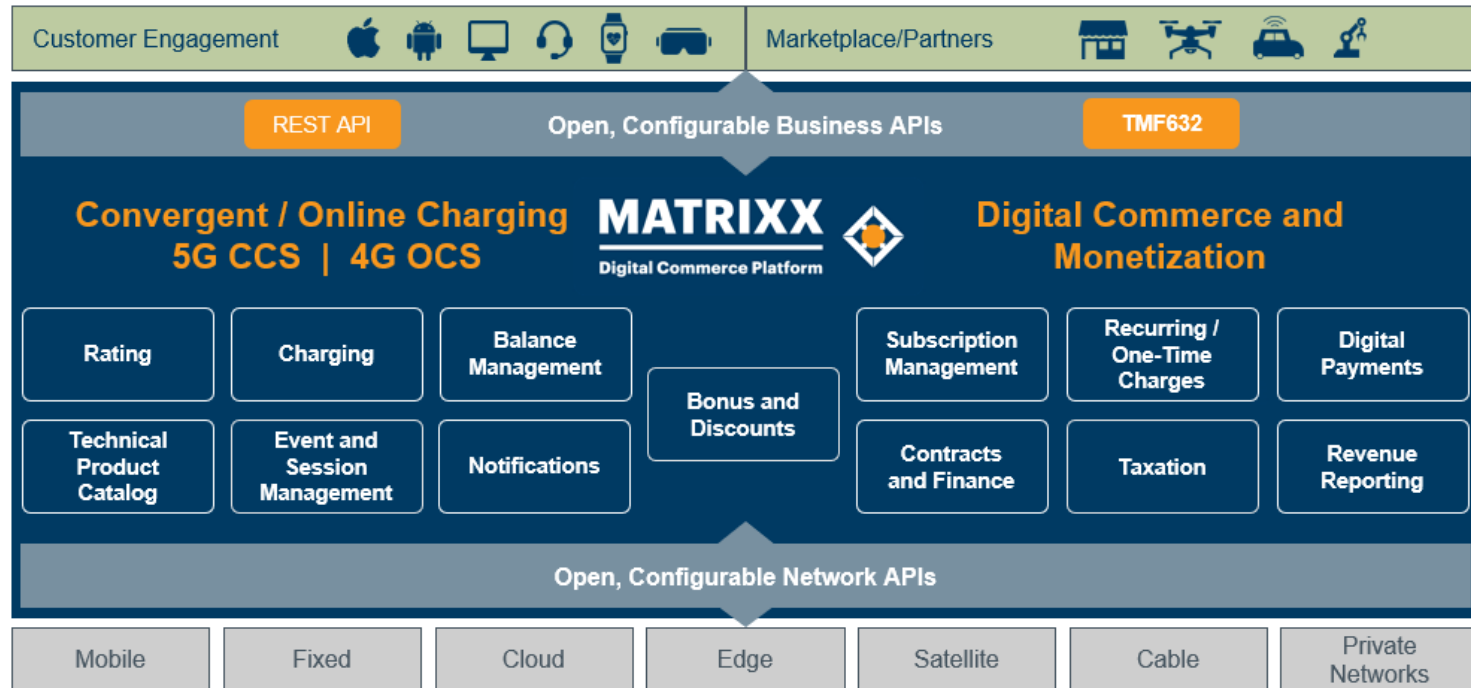   - POST
    - GET
    - PATCH
    - DELETE

Whilst a Party can represent any individual or organization an enterprise needs to store data about, the primary use cases in the MATRIXX DCP context are as follows:

- Individual
    - In a simple consumer scenario, an Individual can be used to represent the user of a subscription
    - In a multi-user scenario such as Family, SME or Enterprise, an Individual can represent a member of Group
- Organization
    - An Organization can be used to represent the owner of a Subscription or Group in B2B, Wholesale and B2B2X scenarios

Deployed as a cloud native microservice, the MATRIXX Party 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 see the test results: [MATRIXX-TMF632 API-HTML Results](#)