tmforum

TM Forum Open APIs

Conformance Certification

Company Name: **MATRIXX Software**

TM Forum Open API Name:
TMF677 – Usage Consumption 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 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.
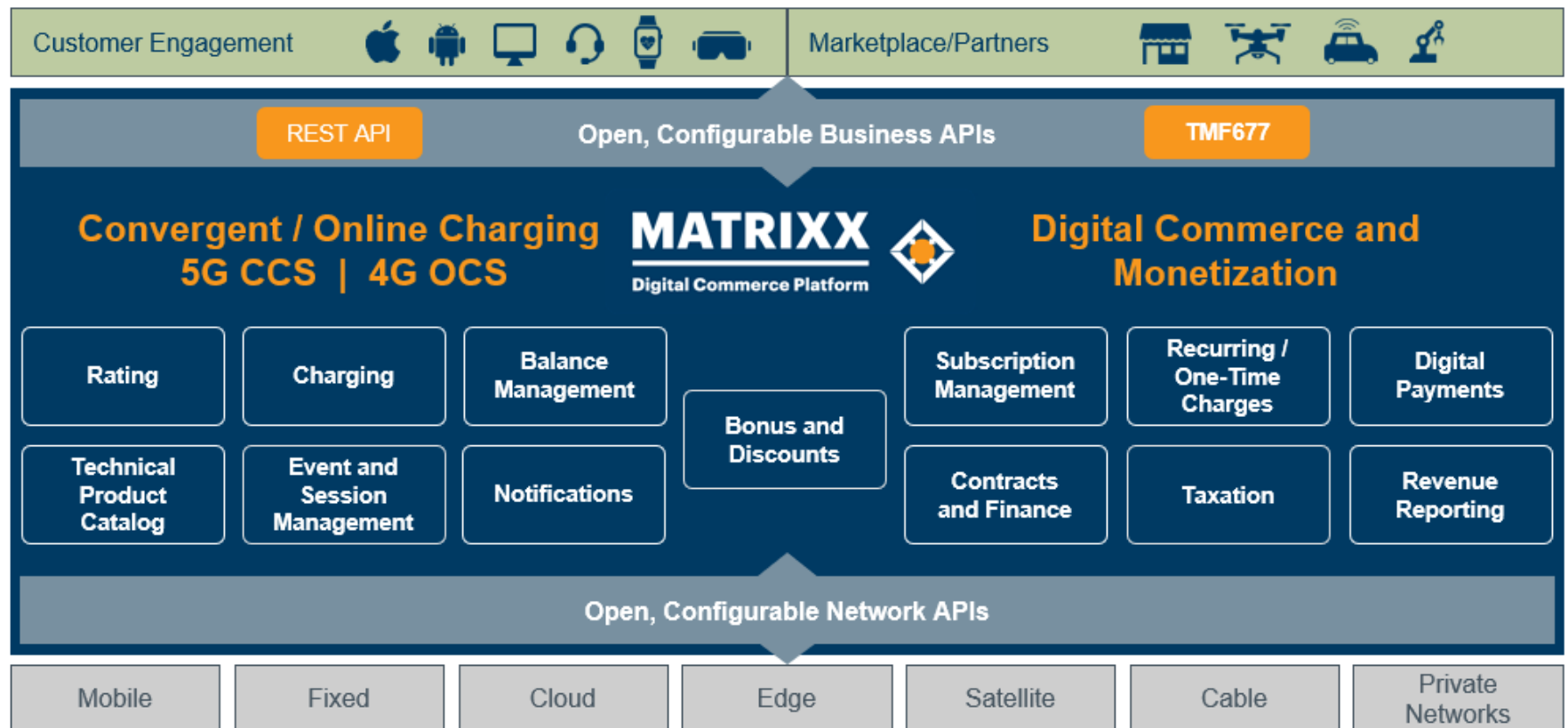
2.   Overview of Certified API

TMF677 Usage Consumption Management supports the query of bucket information for a given Party to understand the usage consumption by that party.

The MATRIXX TMF677 Usage Consumption Management API implementation supports POST requests to the QueryUsageConsumption resource with responses being returned in a synchronous manner only. This reflects the real-time, high-performance nature of the MATRIXX DCP platform.

Deployed as a cloud native microservice, the MATRIXX Usage Consumption 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-TMF677 API-HTML Results](#)