TM Forum Open APIs

Conformance Certification

Company Name: Netcracker-NEC

TM Forum Open API Name: TMF648 – Quote Management

TM Forum Open API Release Version: 4.0.0

Report Date: 10/06/2024
1. **What Product or Solution does your API support?**

The Netcracker Digital BSS product offering allows service providers to continuously modernize their business support environments as the industry evolves. It enables CSPs to become innovative and disruptive, facilitating entry into new markets such as 5G, IoT and B2B2X, enabling richer service delivery and increased revenue potential. Netcracker’s Digital BSS solutions help launch new products, collect and grow revenue, expand partner ecosystems and provide world-class customer experiences.

Netcracker’s approach to integration focuses on standardization, automation, and reuse. It offers a rich unique know-how toolset, and a wide set of out-of-box connectors and pre-configured adapters. It supports a variety of integration types and techniques, including streaming, database, API-based and others. Our Digital BSS spans wide range of integration cases and helps reducing work complexity and costs associated with system integration during implementation.
2. Overview of Certified API

TMF648 Quote API has been implemented as a part of Netcracker’s Digital BSS suite Rel. 2023.2, and it is fully compliant with TM Forum Open API specification Ver. v4.0.0.

The Quote API provides a standardized mechanism for placing a customer quote with all of the necessary quote parameters. The API consists of a simple set of operations that interact with CRM/Order Management systems.

A customer quote is created based on a product offer that is defined in a catalog. The quote identifies the product or set of products that are available to a customer.

Quote API performs the following operations on customer quote:
- Retrieval of a customer quote or a collection of customer quote depending on filter criteria,
- Partial update of a customer quote (including updating rules),
- Creation of a customer quote (including versioning, default values and creation rules),
- Deletion of customer quote (for administration purposes).
3. Architectural View

Netcracker Integration and API Management layer helps to remove the complexity of a service provider’s existing ecosystem of disparate data types, interfaces and business requirements. Through transparent, standards-driven links between environment components, service providers can centralize management and orchestration and improve visibility into BSS integrations by using pre-defined automation tools and preconfigured adapters.

The solution guarantees compliance with key industry standards, including those from TM Forum, 3GPP, MEF, etc. This approach allows us to address integration challenges for business units, IT and partners efficiently without negatively affecting stakeholders.

TMF648 Quote API is implemented as a part of preconfigured adapters on Integration and API Management layer.

Following Architecture diagram shows how Customer Quotation functionality is exposed by Netcracker’s Digital BSS Solution via Integration & API Management layer.
4. Test Results

Click here to view the test results: Netcracker-TMF648-HTMLResults.html