TM Forum Open APIs

Conformance Certification

Company Name: Halleyx

TM Forum Open API Name: TMF620 - Product Catalog Management

TM Forum Open API Release Version: 4.0.0

Report Date: 20/12/2023
1. **What Product or Solution does your API support?**

Halleyx - AI-Driven SaaS BSS Platform enables telecom operators and MVNO/Es to finally “let go” of customizations. Telcos can speed up their market presence, achieve up to 80% savings in overall ownership costs, and regain the freedom to prioritize customer experience.

Our Suite consists of:
- Unified Product Catalog
- Configure Price Quote (CPQ)
- Customer 360
- Order management
- Billing
- AI-Powered Decision Manager (Brain of Halleyx)

2. **Overview of Certified API**

The TMF620 API is primarily employed within the Unified Product Catalog module in the suite, offering a range of functionalities on the platform:

3. **Comprehensive Data Management:**
   - **Objective:** Manage product, service, and resource data for efficient order decomposition
   - **Benefits:**
     - **Seamless Order Decomposition:** Enables the smooth breakdown of orders into manageable components
     - **Enhanced BSS to OSS Data Flow:** Improves efficiency by ensuring a streamlined data flow between Business Support Systems (BSS) and Operational Support Systems (OSS)
     - **Eliminates Silos:** No need for separate systems or teams, promoting a cohesive and integrated workflow

4. **AI-Driven Pricing and Discount Configuration:**
   - **Objective:** Utilize an AI-driven decision manager for advanced pricing and discount configuration.
   - **Benefits:**
     - Dynamic Decision Making: AI adapts pricing strategies based on real-time market conditions and customer behavior
- **Optimized Revenue**: Intelligent pricing decisions maximize revenue while offering competitive rates
- **Efficient Discounting**: Streamlines discounting processes with automated, data-driven decisions

5. **Configurability for Complex Offerings**:
   - **Objective**: Support complex bundles, product variants, and characteristic-driven configurations
   - **Benefits**:
     - **AI-Driven Decision Manager**: Utilizes AI for configuring intricate product bundles and variants
     - **Customization at Scale**: Enables the creation of highly customized offerings without manual intervention
     - **Improved Customer Experience**: Tailors product configurations to meet specific customer requirements

6. **End-to-End Product Lifecycle Management**:
   - **Objective**: Manage the entire product lifecycle efficiently.
   - **Benefits**:
     - **Lifecycle Visibility**: Provides a comprehensive view of product development from ideation to retirement
     - **Time and Cost Efficiency**: Streamlines processes, reducing time-to-market and associated costs
     - **Continuous Optimization**: Allows for ongoing improvements and updates throughout the product lifecycle

7. **Standardized API for Interoperability**:
   - **Objective**: Implement standardized APIs for improved interoperability
   - **Benefits**:
     - **Seamless Integration**: Facilitates integration with other systems and services in the telecom ecosystem
     - **Easier Collaboration**: Promotes collaboration with external partners through standardized interfaces
     - **Future-Proofing**: Ensures compatibility with evolving technologies and industry standards

8. **100% SaaS Deployment**:
   - **Objective**: Provide a Software as a Service (SaaS) deployment model
   - **Benefits**:
     - **Accessibility**: Enables users to access the product catalog from anywhere with an internet connection
     - **Scalability**: SaaS allows for easy scalability as the telecom business grows
- **Automatic Updates:** Ensures that users always have access to the latest features and improvements

9. **User-Friendly UI with Zero Coding Dependency:**
   - **Objective:** Offer a sleek and easy-to-use UI for business users with no coding dependency.
   - **Benefits:**
     - **Increased Efficiency:** Empowers business users to make configuration changes without IT intervention
     - **Reduced Training Requirements:** Intuitive UI reduces the learning curve for users
     - **Faster Time-to-Market:** Accelerates the deployment of new offerings with user-friendly tools
The SaaS/BSS solution, through its integration with TM Forum APIs, functions as a unified platform for managing parties, their roles, products, services, and associated resources of business processes. This integration not only aligns the operations with industry standards but also ensures that the entire business ecosystem operates cohesively, minimizing redundancies and optimizing the utilization of resources. As a result, the UPC solution stands as a robust and streamlined solution for businesses seeking an effective approach to their provisioning, cataloging, and resource management needs.

4. Test Results

Click here to view the test results: HalleyX-TMF620-HTMLResults.html