TM Forum Open APIs

Conformance Certification

Company Name: Halleyx

TM Forum Open API Name: TMF637 - Product Inventory Management

TM Forum Open API Release Version: 4.0

Report Date: 21/05/2024
1. **What Product or Solution does your API support?**

Halleyx’s SaaS BSS is your all-in-one solution, automating everything from product cataloging to customer billing, bringing a whole new level of agility and simplicity to telecom IT.

Our Suite consists of:

- Unified Product Catalog
- AI-Powered Decision Manager
- Configure Price Quote (CPQ)
- Customer 360
- Order management
- Billing
- Inventory
2. Overview of Certified API

The Halleyx Inventory Management module leverages the TMF637 Product Inventory Management API to efficiently manage the entire lifecycle of products within the inventory. This includes creating new products, updating existing products partially or fully, retrieving product information, and receiving notifications about product-related events.

- **Retrieve Products:**
  - **Single Product Retrieval:** Access detailed information about a specific product based on its unique identifier
  - **Collection Retrieval:** Fetch multiple products using filter criteria such as product type, status, or other attributes to streamline inventory management and reporting

- **Partial Update:**
  - **Targeted Modifications:** Make specific updates to a product's attributes without altering the entire product record
  - **Rule-Based Updates:** Implement changes that adhere to predefined business rules and validation criteria, ensuring consistency and accuracy in product data

- **Create Product:**
  - **Default Values:** Automatically populate new product records with default values to maintain standardization and reduce manual entry errors
  - **Creation Rules:** Follow predefined rules for product creation to ensure that all necessary information is captured and that new products meet the standards

- **Delete Product:**
  - **Administrative Deletion:** Remove products from the inventory when they are no longer needed, ensuring the inventory remains current and manageable. (This function is typically restricted to administrative use to prevent accidental data loss)

- **Event Notifications:**
  - **Lifecycle Events:** Receive automated notifications for significant events in a product's lifecycle, such as creation, updates, and deletions. This ensures that
relevant stakeholders are informed in real time about changes in the inventory

3. Architectural View

4. Test Results

Click here to view the results: Halleyx-TMF637-htmlResults.html