TM Forum Open APIs

Conformance Certification

Company Name: Tecnotree

TM Forum Open API Name:
TMF687 - Stock Management

TM Forum Open API Release Version: 4.0.0

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1. **What Product or Solution does your API support?**

Tecnotree Digital Resource Manager (DRM) enables Digital Service Providers (DSPs) to manage their physical and logical resource information in a single location. DSPs can create and manage their tangible resources information through DRM. DRM also provides resource pool management capability for the channels to browse through the resource detail constructed in the product catalog, reserve the resources, and request resource activation using product order management.

DRM offers following key benefits to DSPs:
- Unify resource management.
- Category base resource creation and management
- Dynamic resource pool management
- Automated resource lifecycle management and recycling
- Management Dashboard for resource creation, browsing and management.
- TM Forum open APIs

DRM manages any resource information including physical and logical resources. The resource in DRM is managed as physical resources such as SIM, Modem, Handset, Unit, and Rack, and logical resources such as Mobile number, Fixed line number, and public and private IPs. DRM also supports bundled resources as a logical resource of multiple physical and logical resources. Starter pack SIMs (bundle of SIM and Mobile number) and Turbonet pack (bundle of SIM, Mobile number, and a modem) are examples of these bundle resources.
2. Overview of Certified API

The Stock Management API provides standardized mechanisms for product stock management such as creation, update, and retrieval of the representation of a product stock, reserve product stock, check or query product stock or adjust product stock. It also allows the notification of events related to them.

Stock Management API performs the following operations:

- Retrieval of a product stock or a collection of product stock depending on filter criteria
- Partial update of a product stock (including updating rules)
- Creation of a product stock
- Deletion of product stock (for administration purposes)
- Notification of events on product stock
  - product stock creation
  - product stock deletion
  - product stock state change
  - product stock batch
  - product stock state change
3. Architectural View

4. Test Results

Click here to see the test results: TECNOTREE-TMF687 API-HTML Results