TM Forum Open APIs

Conformance Certification

Company Name: CIENA Blue Planet

TM Forum Open API Name: TMF638 – Service Inventory Management

TM Forum Open API Release Version: 4.0.0

Report Date: 13/11/2023
1. **What Product or Solution does your API support?**

The TMF638 Open API Adapter supports our Service Order Management offering called Blue Planet Service Order Orchestration.
2. Overview of Certified API

The TMF638 Open API Plug In provides the means to maintain an accurate record of services in an inventory. It accepts inventory operations according to the TM Forums OpenAPI standards, enabling the integration of Blue Planet Inventory into Service Providers IT environments in a rapid and predictable manner.

Key features and benefits
Blue Planet TMF638 Open API Plugin (TMF638-Plugin) provides several key benefits to Service Providers:

- Certified support for TMF638 standards enables rapid integration with northbound systems to facilitate both new and existing services.
- Comprehensive support for all the methods prescribed by the standard, Service Providers can be assured that all use-cases can be addressed.
- Support for services modeled according to TMF standards allows for rapid integration of both in-house and third party provided systems – if the standards are adhered to,

Standard Interfaces
The TMF638-Plugin provides the following interfaces:
- REST API for ingestion of TMF payloads according to the TMF Open API specifications
- Webhook notifications (supported by the Blue Planet Open API Framework) of resource inventory changes.

Standard Processes
The TMF638-Plugin supports the following actions for Service Orders:
- Service Query
- Service Creation
- Service Modification
- Service Deletion
3. Architectural View

The TMF638-Plugin is deployed, managed and makes use of capabilities provided by the Blue Planet Open API Framework. Installation of the plugin is only complete once it has been registered via the plugin management API of the Open API Framework.

This framework also provides management and monitoring capabilities for each plugin that it manages.

The diagram below is a high level architecture of the framework environment and its components.
4. **Test Results**

Click here to view the test results: CIENA-BLUEPLANET-TMF638-HTMLResults.html