TM Forum Open APIs

Conformance Certification

Company Name: Vodafone Greece

TM Forum Open API Name: TMF720 – Digital Identity Management

TM Forum Open API Release Version: 4.0.0

Report Date: 30/01/2024
1. **What Product or Solution does your API support?**

   The API provides a standardized mechanism for the management of the digital identity of customers. In other words, it serves various functions on the user digital account level, spanning from user pre-validation and registration to password change and user deletion.

2. **Overview of Certified API**

   As mentioned, the Digital Identity API provides the ability to manage a digital identity. The digital identity allows identification of an individual, a resource, or a partyRole. It is associated with credential/authentication method. These credential/authentication methods should be extensible to describe all types of authentication methods such as login/password, biometric, token, etc. A contact medium is also associated with digital identity (or directly at credential level) to manage credential recovery.

**Key Features**

- Create a digital identity instance.
- Retrieve a list of digital identities.
- Retrieve a digital identity by ID.
- Retrieve a list of digital identities filtered based on specific attributes.
3. **Architectural View**

Frontend channels/application invokes TMF720 Digital Identity API, exposed via an API Gateway layer (APIX). Request traverses the TMF microservice layer (DxL) towards the secure backend system to manage the accounts.
4. Test Results

Comprehensive functional and non-functional testing techniques were employed during the evaluation of the API. This rigorous testing process encompassed various aspects, including authentication, authorization, and the overall API functionality.

The API underwent thorough functional testing to ensure that all interface operations performed as expected. Test cases were designed to validate the accuracy and completeness of the retrieved data.

Non-functional aspects were validated ensuring encompassed performance testing, which assessed the API's response time, scalability, and overall system load-handling capacity. Additionally, security testing was conducted to identify and mitigate vulnerabilities that could potentially compromise the API's security posture.

The conformance verification process for the REST API successfully validated its functionality, security, and alignment with the Business Process Framework. The rigorous testing procedures, including authentication, authorization, functional, and non-functional testing, ensure that the API is robust, secure, and capable of providing an account management mechanism.

For any inquiries or further details about this conformance verification report, please contact the Digital Engineering team of Vodafone Greece.

Click here to view the test results: VODAFONE-TMF720RW-HTMLResults.html