

Open API Table - Early Adoption (Beta)

The increasingly complex multi-partner digital services value chain raises new challenges in terms of ensuring time-to-market, seamless management, cost-effectiveness and revenue sharing.



In order to meet these challenges, TM Forum members including the world's largest service providers and suppliers, have been working to develop APIs that enable the open digital ecosystem and provide critical management functionality to digital services.












only.




(see Version) by

API Table please

TM Forum Open APIs Early Adoption (Beta) Versions

TM Forum Open APIs Pre-Production	Document Number	Swagger (Apache 2.0)	API User Guide (RAND)	Conformance Profile (RAND)	CTK	Sample Implementation Code	Postman Collection	Release	Version
Digital Identity Management API Provides the ability to manage a digital identity. This digital identity allows identification of an individual, a resource, or a partyRole (a specific role - or set of roles - for a given individual). A digital identity is associated with credential / authentication method. These credential / authentication methods should be extensible to describe all types of authentication method 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 UCs.	TMF720	 Apache	Not Yet Available	Not Yet Available	Not Yet Available	Not Yet Available	Not Yet Available	21.5.0	4.0.0
Entity Inventory Management API The intent of this API is to provide a consistent /standardized mechanism to query and manipulate the Entity inventory. The Entity Inventory API can be used to query the Entity and Association instances. The Entity Inventory API can be called by an order management system to create new Entity /Association instances or update existing Entity /Association instances in the Entity Inventory.	TMF703	 Apache	Not Yet Available	Not Yet Available	Not Yet Available	Not Yet Available	Not Yet Available	21.5.0	4.0.0

Event Management API <p>The Event Management API provides a standardized client interface to the enterprise event management system for creating, managing and receiving service related events to (indicatively) drive automation workflows, notify other service providers for service outages and SLA violations, trigger Trouble</p>	TMF688	 Apache			Not Yet Available	Not Yet Available	Not Yet Available	21.5.0	4.0.0
								21.5.0	4.0.0
								21.5.0	4.0.0
								21.5.0	4.0.0
IoT Device Management API Component Suite also includes an IoT Data Access Endpoint API. This API allows for IoT data access using different types of protocols (MQTT IoT, CoAP, etc.). It encapsulates the protocols and allows devices to be easily integrated into solutions that support a host of IoT initiatives, including smart cities, smart factories and other vertical markets.		Apache							
IoT Service Management API Component Suite <p>The IoT Service Management Component suite captures the minimal essential operational APIs required to manage IoT service end to end, and therefore accelerate IoT infrastructure as a service and help manage IoT at scale.</p>	TMF914	 Apache		Not Yet Available	Not Yet Available	Not Yet Available	Not Yet Available	21.5.0	4.0.0
Payment Method API <p>This API supports the frequently-used payment methods for the customer to choose and pay the usage, including voucher card, coupon, and money transfer.</p>	TMF670	 Apache		Not Yet Available	Not Yet Available	Not Yet Available	Not Yet Available	21.5.0	4.0.0
Performance Management API <p>Provides a standardized mechanism for performance management such as the creation, partial or full update and retrieval of resources involved in performance management (Measurement Production Job, Measurement Collection Job, and Ad hoc Collection). It also allows notification of events related to performance.</p>	TMF628	 Apache	Not Yet Available	Not Yet Available	Not Yet Available	Not Yet Available	Not Yet Available	21.5.0	4.0.0
Process Flow Management API <p>The ProcessFlow API allows management of business process. It provides all required information to achieve business task requiring manual action:</p> <ul style="list-style-type: none"> • A ProcessFlow will describe an orchestration of TaskFlow • In event-based architecture the processFlow are triggered as consequence of event • TaskFlow could be completed automatically (rules, event triggered, process delegation) or requiring manual action • Operations on taskFlow allow to update taskFlow 	TMF701	 Apache			Not available	Not available	Not available	19.0.1	(v4.0)

<p>Promotion API</p> <p>Used to provide the additional discount, voucher, bonus or gift to the customer who meets the pre-defined criteria. Using promotion, the enterprise is able to attract the users and encourage more consumption, especially continuous purchases. Normally Promotion is not regarded as one type of product or product offering. It is often applied when the customer buys the product offerings</p>	TMF671	 <p>Apache</p>	Not Yet Available	Not Yet Available	Not Yet Available	Not Yet Available	Not Yet Available	21.5.0	4.0.0
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they actually received.									
<p>Usage Consumption Management API</p> <p>This API provides the real-time value within buckets (SMS, Voice, Data, TV for example) that a customer consumes with each of their devices, related to subscribed communication products without having to wait for the bill cycle. A usage report retrieves the data related to these balances.</p>	TMF677	 <p>Apache</p>	Not Yet Available	Not Yet Available	Not Yet Available	Not Yet Available	Not Yet Available	21.5.0	4.0.0
<p>Work Order Management API</p> <p>The Work Order API performs the following operations on a workOrder resource:</p> <ul style="list-style-type: none"> • Retrieval of a workOrder or a collection of workOrder depending on filter criteria • Partial update of a workOrder (including updating rules) • Creation of a workOrder (including default values and creation rules) • Deletion of a workOrder (for administration purposes) • Notification of events on a workOrder. 	TMF697	 <p>Apache</p>							

Note: Reference/Sample implementation is not an architecture direction but a sample in a sandbox