

# TM Forum Open APIs Conformance Certification



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***Company Name:***

***China Telecom Corporation Limited.***

***Product Name and Release Version:***

**China Telecom CNOS-OSS**

***TM Forum Open API Name and Release Version:***

***TMF638 - Service Inventory Management V4.0.0***

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

China Telecom CNOS (New-Generation Cloud Network Operation System) is an enterprise-level operation system that integrates and upgrades the existing OSS (for network operation), BSS (for business operation), and MSS. It is one of the main carriers for China Telecom's digital, automated, and intelligent operation management, and an important component of China Telecom digital platform.

The capabilities provided by various capability centers and applied in various application scenario in the CNOS are uniformly aggregated and encapsulated through the atomic capability platform to achieve capability sharing. CNOS and the data middleware enable the interconnection and sharing of production data, and empower production operation through the big data and AI capabilities of the data middleware. Meanwhile based on the unified technology platform of PaaS components, IaaS, and general capabilities of the business centers, cloud deployment and development operation are integrated.

The "Service Inventory API" (TMF638) is a core component of the Cloud-Network Service Design Center, providing unified management of service inventory elements, resource specifications and full-lifecycle support for service inventory management. It provides a standardized mechanism for service inventory management, supporting extraction of service instance, resource allocation and status data, CRUD operations of service inventory instances, and subscription to lifecycle-related notifications. Closely linked with Object Design, Metadata Management and Service Catalog Design modules, TMF638 connects design specifications with operational service instances, ensuring data consistency and providing real-time data support for downstream systems.

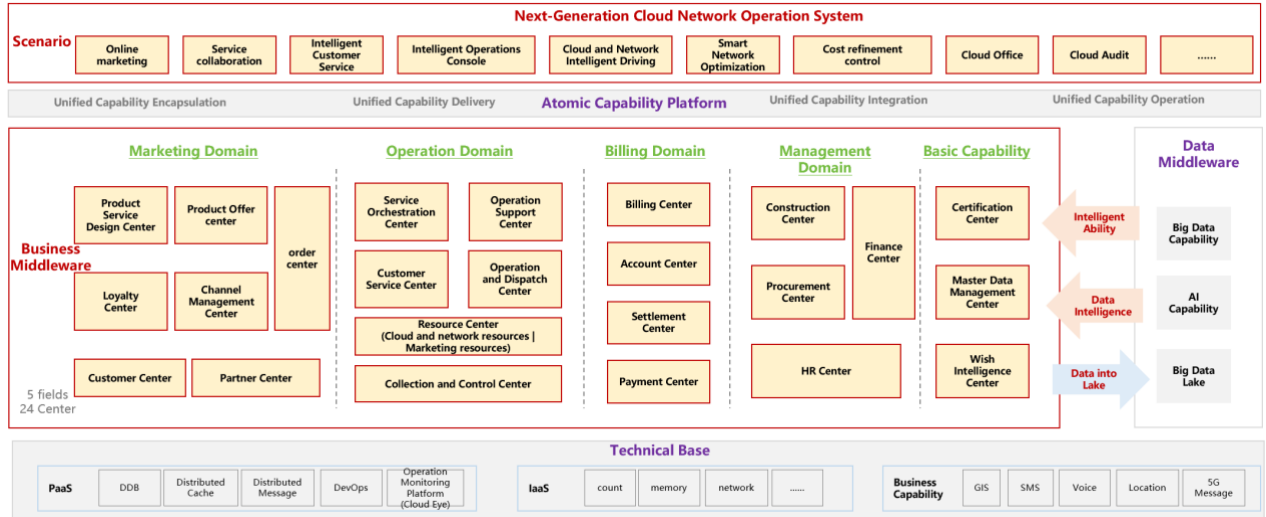
## 2. Overview of Certified API

- TMF638 Service Inventory Management API

The intent of this API is to provide a consistent/standardized mechanism to query and manipulate the Service inventory.

### 3. Architectural View

The following Diagram shows the technical architecture of China Telecom CNOS(Next-Generation Cloud Network Operations System) :



### 4. Test Results

Click here to view the test results: [CHINATELECOM-TMF638-v4.0.0-HTMLReport.html](http://CHINATELECOM-TMF638-v4.0.0-HTMLReport.html)