

TM Forum Open APIs Conformance Certification



Company Name:

China Telecom Corporation Limited.

Product Name and Release Version:

China Telecom CNOS-OSS

TM Forum Open API Name and Release Version:

TMF641 Service Ordering 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 TMF641 Service Ordering Management API provides a standardized mechanism for placing service orders with all necessary parameters, enabling creation, update, retrieval of service orders and management of related notifications. Within the Orchestration Center, it serves as the unified entry point for service order ingestion, aligning with the Service Order Acceptance module to drive standardized service orchestration. It supports full lifecycle operations on service orders, triggering Service Instance Decomposition and Process Execution workflows, while delivering real-time state change notifications to feed the Orchestration Center's monitoring and exception handling capabilities, ensuring end-to-end visibility and reliable integration with downstream systems such as the Cloud-Network Resource Capability Center.

2. Overview of Certified API

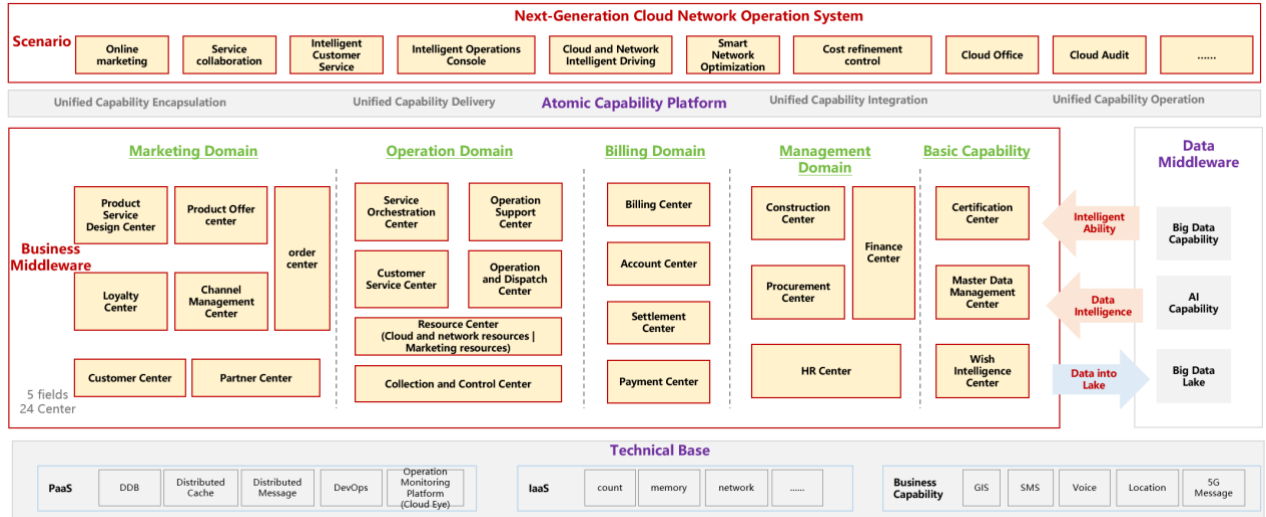
- TMF641 Service Ordering Management API

Provides a standardized mechanism for placing a service order with all the necessary order parameters. It allows users to create, update & retrieve Service Orders and manages related notifications.

3. Architectural View

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

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4. Test Results

Click here to view the test results: CHINATELECOM-TMF641-v4.0.0-HTMLReport.html