**TM Forum Open APIs**

**Conformance Certification**

*Company Name:* ***Whale Cloud Technology Co., Ltd.***

*TM Forum Open API Name:*

***TMF635 Usage Management API***

*TM Forum Open API Release Version:*

***R*** ***20.5.0 (v4.0.0)***

**Report Date: November 25, 2020**

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

ZSmart BSS/OSS Suite, re-organizes the whole system in unified cloud-native architecture, providing fully decoupled capability centers (SaaS), IaaS and PaaS; TMF Open APIs for front end channels, partner and verticals; E2E DevOps pipeline and management tool; and also supporting SaaS commercial model and Greenfield delivery way.

Empowered by Alibaba big data technology, ZSmart BSS/OSS Suite also brings data intelligence into BSS&OSS, to help CSPs to cut cost and to extend revenue, as well as to enhance customer engagement.

As the most expected technology 5G, ZSmart BSS/OSS Suite provides excellent 5G OOTB capabilities, such as multi-dimension charging, SBI interface adaptor, business flow for both SA and NSA mode, as well as the partner onboarding, charging, slicing management, hybrid provisioning, for verticals such as automotive, healthcare, and public transportation.

ZSmart BSS/OSS Suite provides lots of Open APIs, including:

* TMF669 Party Role Management API
* TMF635 Usage Management API
* TMF629 Customer Management API
* TMF633 Service Catalog API
* TMF632 Party Management API

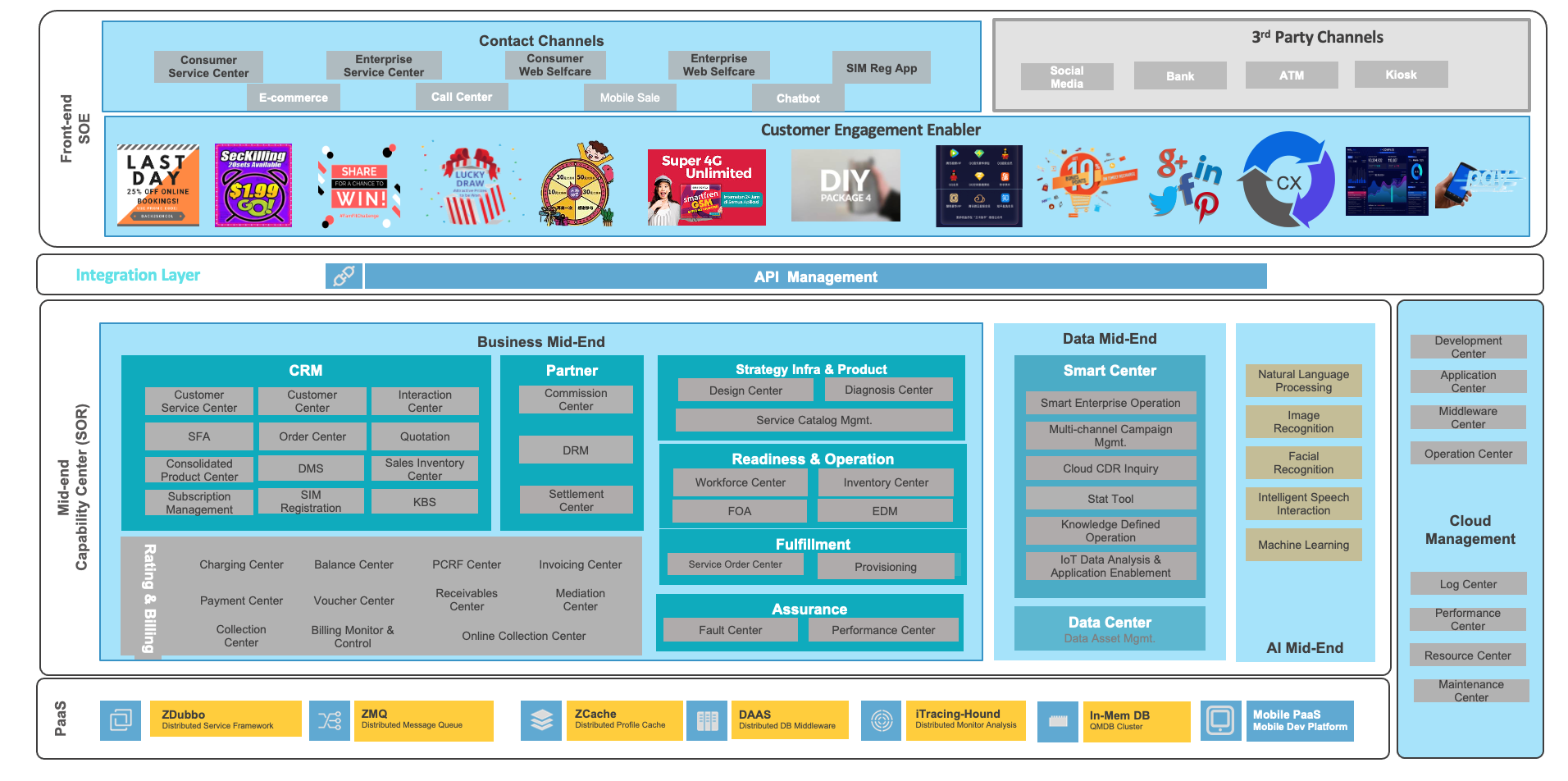
1. **Overview of Certified API**

TMF635 Usage Management API

Provides standardized mechanism for usage management such as creation, update, retrieval, import and export of a collection of usages. The API manages both rated and non-rated usage. For example, it allows a service provider to 1) retrieve usage generated by a partner service platform in order to rate it and 2) to provide rated usage to a partner for consumption follow up purposes.

1. **Architectural View**

The following Diagram shows the technical architecture of ZSmart BSS/OSS Suite:



1. **Test Results**

