

Datasheet

Alvatross Digital Platform

Turning telecom operators into
tomorrow's digitally-driven experience

Digitization is changing the status quo of **telecommunications markets**. **Telecom** operators evolve to offer convergent services, not only regarding their **classic business** (fixed, mobile, and data) but also related to the **offering of new technologies** and third-party products (OTT, IoT, insurance, e-Health...).

In this context, operators need **solutions that enable the automation of provisioning** an increasingly complex and dynamic portfolio of products and services.

Similarly, they must be prepared to integrate components from other **partners** into their offer (and vice versa), participating in **ecosystems designed to provide added value** to customers. For this reason, it is essential to have integration capabilities based on best practices, such as the **TM Forum Open APIs**.

Due to this complexity, it is especially necessary to have a **360° view** (from the business to the network) of the services provided to its direct and indirect clients.

Benefits

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- ➔ **Faster releases of new products and services.**

 - ➔ **Automation of service provision** enabling “order to use” settings.

 - ➔ **OPEX reduction.**

 - ➔ **Ability to integrate into the operator’s ecosystem.**

 - ➔ **Solution aligned with TM Forum best practices** with standard interfaces (TMF Open APIs).

Provision of services in telco • Provision of services in

Alvatross digital platform is a modular, modern, and flexible solution that allows the definition, provision / activation, and inventory of an operator services.

Display of the main provisioning KPIs, for real-time monitoring and early error detection in the provisioning process.



Microservices architecture that simplifies and speeds up iterations



Aligned with **standards** and **best practices**



Ready for the future: 5G, Virtualization and Cloud Technologies



Native Cloud Solution: It can be displayed in public, private and on-premise Cloud up iterations



Usability and transparent **navigation** across all modules of the solution



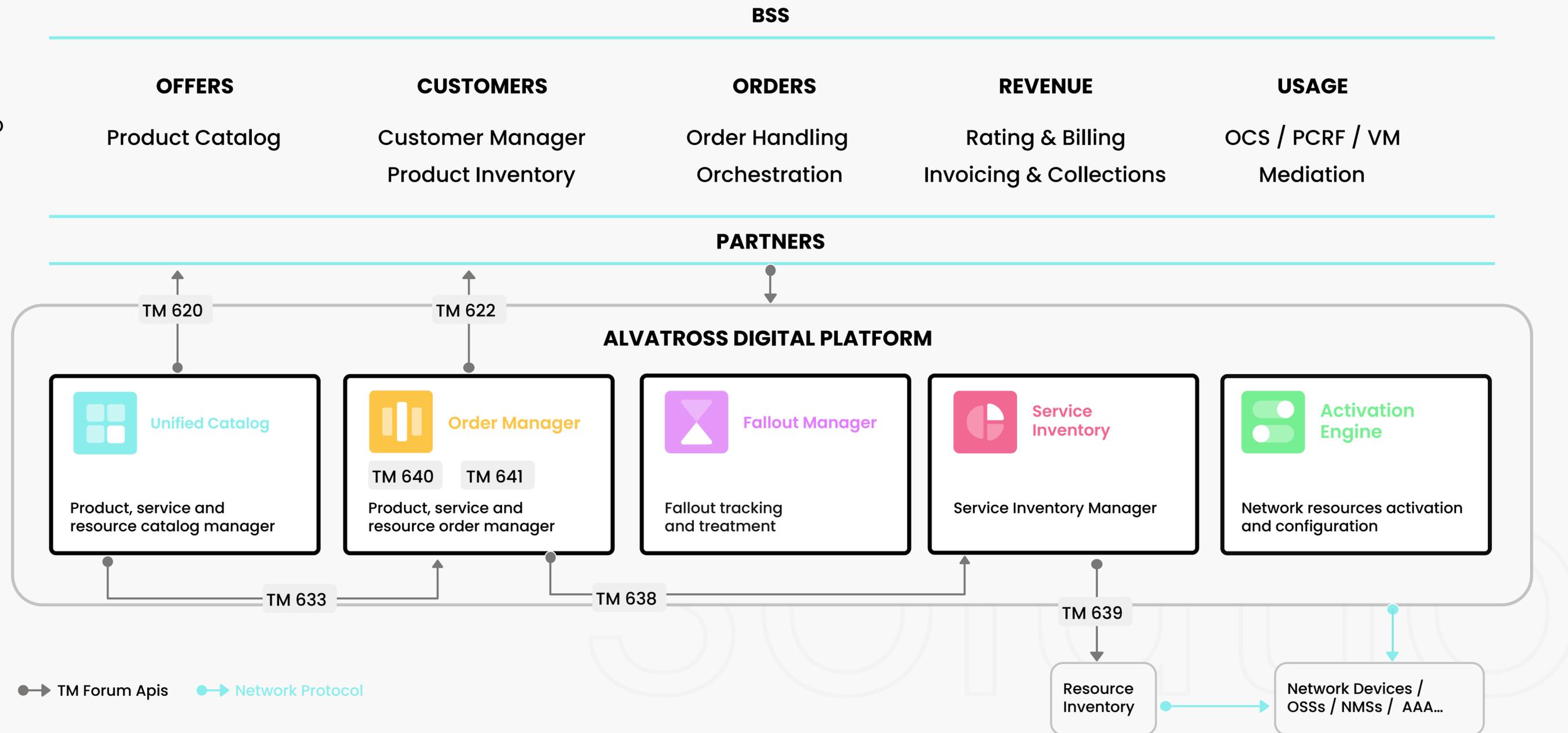
Standard API: easy integration into supply ecosystems



No vendor lock-in: Business logic easily configurable from the interface

Our solution • Our solution • Our solution • Our solu

The Alvatross Digital Platform is highly configurable and easy to use, allowing the user to transparently navigate across the different modules.



Our products • Our products • Our products • Our products

Our modules can be installed as part of transformation projects or integrated into the operator's ecosystem through **TM Forum Open APIs**.

OPEN APIs	 Unified Catalog — Product, service and resource catalog manager View details
	 Order Manager — Product, service and resource order manager View details
	 Fallout Manager — Fallout tracking and treatment View details
	 Service Inventory — Service Inventory Manager View details
	 Activation Engine — Network resources activation and configuration View details

Characteristics • Characteristics • Characteristics • Ch

Catalog-driven

Completely catalog-driven solution. It enables simple configuration and management of the life cycle of services, resulting in a drastic reduction of the Time To Market.

E2E provisioning

Global vision of all provisioning orders and the status of each one of them. It allows the combination of manual and automatic tasks according to the processes of the operator. Early detection and treatment of errors.

Agnostic to services and technologies

Our platform allows you to manage any service, from the traditional Triple Play to B2B services, OTTs or Cloud services.

Simple integration

Integration of the different modules in the operator's B/OSS map:

- + Standard integrations based on Open APIs / ad-hoc.
- + Possible operation in proxy mode.
- + Possible federation of catalogs.

Alliances with BSS platforms to define global transformation.

Why Alvatross?



Alvatross' digital platform brings together:

- + **Satec's experience** in telco environments and B / OSS transformation projects
- + **New technological trends** and industry standards and best practices.



Scalability derived from its own architecture.



Flexibility and **ability to adapt to the customer's environment.**



"Legacy and the next" vision: ability to adapt to the operator's technological environment.



No vendor lock-in approach, which translates into easily configurable and integrable tools.



TCO reduction based on the use of open-source components and ease of configuration and evolution.

Additional information
on our website:

[Learn more here](#)

Technological environment • Technological environment

Client side

Javascript Bootstrap Saas Material

Design Angular HTML5 CSS3

Test automation

JUnit5 Cucumber Selenium Lime

Packaging & deployment

GitLab Argo Maven Ansible Flyway

Server side

Spring Spring security WSO2 Grafana Spring boot

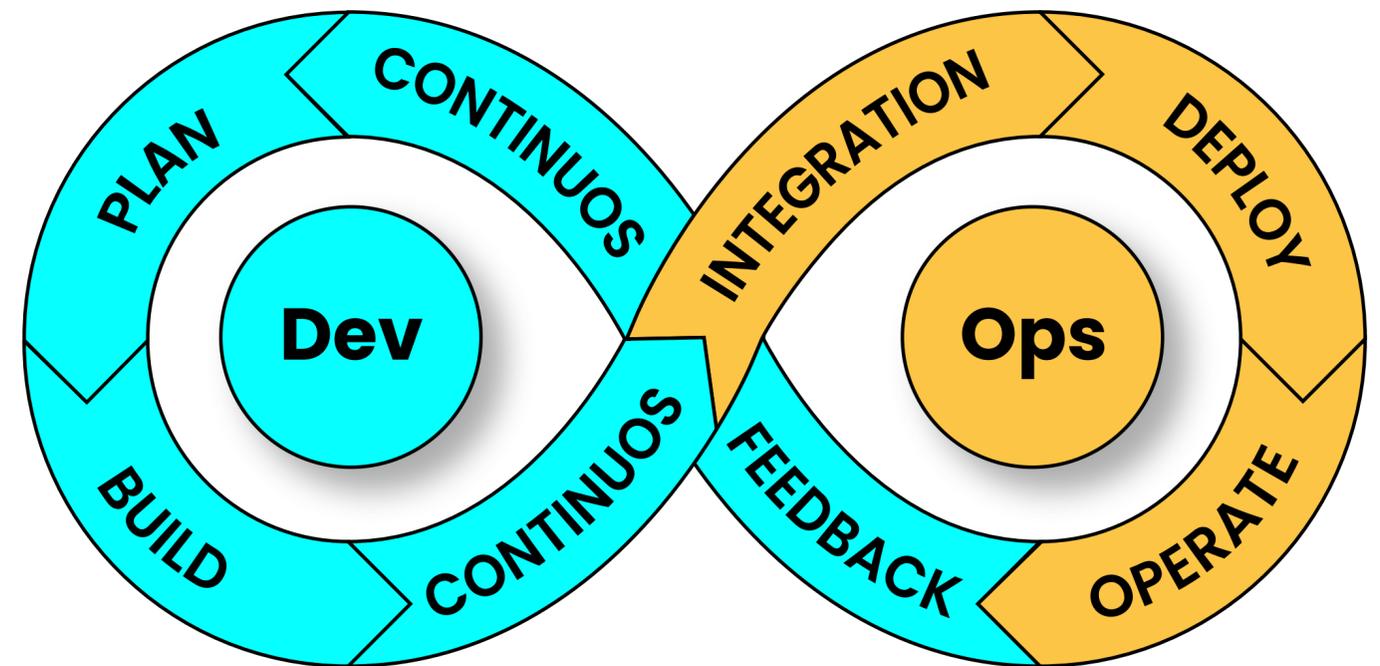
Swagger ELK Bonita soft Java Hibernate

Infraestructure

Prometheus Gluster Kubernetes Rancher

Data storage

Kafka Oracle MariaDB



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Alvatross at the tmforum



Open API Guidelines

Aligned with **SID** and conforms to the **Open API Guidelines**.



Manifesto

Open API & ODA manifesto signer.



ODA (Open Digital Architecture)

Working with **Orange** on the definition guide for the ODA component of "Order Management".



ODA-CA (Component Accelerator)

The alvatross team is involved in the support for the standardization of Order Manager.

IGI228: Working hand in hand with **Orange** and **Deutsche Telecom**.

Gold Open API Certification

Alvatross Digital Platform has achieved Gold level status for TM Forum's Open API Conformance Certification (14 Open APIs).



[Read more](#)

Certifications

More than **65 people certified in Satec** including **the entire technical team of alvatross**.

