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Composable OMS

Omnichannel Flexibility at Scale

E-BOOK

As omnichannel commerce continues to evolve, the number of sales channels and customer touchpoints are increasing. Shopping is no longer a linear activity, but a web of interrelated activities that take place both in the virtual and physical world, united by timely and accurate data. These activities are driven by multiple retail systems that must integrate seamlessly and efficiently to provide a **frictionless commerce experience**.

Composable Order Management System (OMS)

Composable OMS is an evolution of the distributed order management system. Designed for the future of omnichannel, it gives retailers the flexibility to optimize its omnichannel tech stack with a flexible platform for every use case and business model.

Tecsys' Omni™ Composable OMS offers multiple options for retailers looking to enhance their omnichannel tech stack:

Out-of-the-Box OMS

A complete out-of-the-box OMS designed for frictionless commerce where advanced features are included within a highly configurable system.

Headless OMS

Headless architecture built on a robust application programming interface (API) ecosystem that can integrate into a retailer's existing front-end system and enable new sales channels including traditional and modern marketplaces.

Omnichannel Front-end

An optimized interface that enables high-touch customer service management and efficient store fulfillment within an intuitive and device-agnostic environment that can be integrated with existing systems.

Composable OMS Platform

Tecsys' Omni™ OMS can help you effectively advance your omnichannel strategy, no matter what retail systems you have in place or what your current business processes are. The flexible value-driven OMS can adapt to any retail tech stack to provide a frictionless commerce experience to customers that is scalable and extensible.
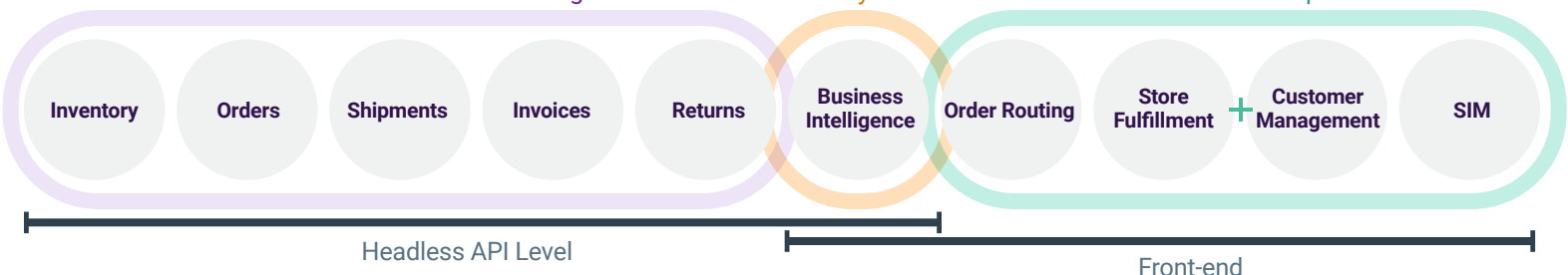
Key features:

- Multiple install types available and with optional rapid deployment.
- Advanced features included out-of-the-box (no coding).
- Extensible DIY API ecosystem to accommodate future strategies and omnichannel complexity.

E-commerce and Order Processing   **Analytics**   **Fulfillment and Store Operations**

| Inventory | Orders | Shipments | Invoices | Returns | Business Intelligence | Order Routing | Store Fulfillment + Customer Management | SIM |

Headless API Level   Front-end

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Omnichannel Out-of-the-Box

Advanced features are included in the core OMS platform, making it the ideal system for retailers requiring enterprise-level functionality, without the custom coding and associated development costs and lead times.

With rapid implementation options, ease of integration through APIs and DIY configurability, Omni™ OMS is the IT-friendly OMS that offers a quick ROI and low total cost of ownership (TCO).

Out-of-the-Box Configurable Functionality (no code)

Order Orchestration	Order Routing	Real-time Inventory Management	Order Management	Payment Processing & Taxes
Customer Notifications	Business Intelligence	Store Fulfillment	Customer Relationship Management (CRM)	Pre-orders
Shipment Consolidation	Shipping Rate Brokering	Fraud Detection	Shipping Management	REST API Layer

REST API Ecosystem

Omni™ OMS offers an industry-leading REST API package that supports a headless commerce architecture.

Thanks to our platform approach, product capabilities are built as APIs to easily extend OMS functionality into the retail tech stack. Our self-serve model provides developers with the tools and support to easily integrate order management into adjacent systems to create a frictionless commerce experience.

API Developer Toolkit includes:

- Rapid access to a sandbox environment
- Developer portal
- Documentation
- Getting started guide
- Onboarding program
- Postman collections

Overview

Welcome to the Omni™ OMS API powered by Tecsys. Currently, our REST APIs allows you to manage your Custom Field Metadata, Inventory Locations, Orders, Physical Inventory Visibility, Pre-order Visibility and Virtual Inventory Visibility on the Omni™ OMS Platform. You'll need an HTTP client in order to send requests to our APIs.

A quick look at our APIs

Custom Field Metadata API

Custom fields are a feature provided for businesses who may require additional information on the standard set of forms that are provided with Commerce Manager. For example, if you are adding a new customer but you want a field that will show them as a "priority customer", you can see the metadata for each custom field that is created.

HTTP Method	Endpoint
GET Custom Field Meta Data for Specific Custom Fields	/v1/customfieldmetadata/?OwnerType={OwnerType}&SystemNames={SystemNames}
GET List of Custom Fields Meta Data by Owner Type	/v1/customfieldmetadata/{ownertype}

APIs

🔍 Search APIs   Group by tag ⬜

Name	Description	Type
Addresses API	Manage addresses	REST
Custom Field MetaData API	Get List of Custom Fields Meta Data	REST
Customers API	Manage customers	REST
Emails API	Manage emails	REST
Images API	Create, view and update images	REST
Inventory Locations API	Create, view and update inventory locations using internal names	REST
Items API	Create, view and update items	REST
Notes API	Manage Notes	REST

Physical Inventory Visibility API

Physical Inventory Visibility API ⌄

🔍 Search operations   Group by tag ⬜

PUT	Bulk Update On-hand Inventory
DEL	Delete Reserved Inventory
GET	Get Allocated Inventory
GET	Get Available Inventory
GET	Get Available Stores Inventory
GET	Get Custom Fields for Items Location Inventories
GET	Get On-hand Inventory
GET	Get Overall Inventory
GET	Get Reserved Inventory
GET	Get Total Item Inventory
PUT	Update Custom Fields for Item Location Inventories
PUT	Update On-hand Inventory
PUT	Update Reserved Inventory

API definition ⌄   Changelog

Get inventory by SKU for Inventory Locations and Stores

Bulk Update On-hand Inventory

Bulk Update On-hand Inventory

ItemLocationInventories

Request

PUT   https://api.oat.orderdynamics.net/v1/inventory/BulkOnhand

Request body

application/json

BulkOnhandPutRequest
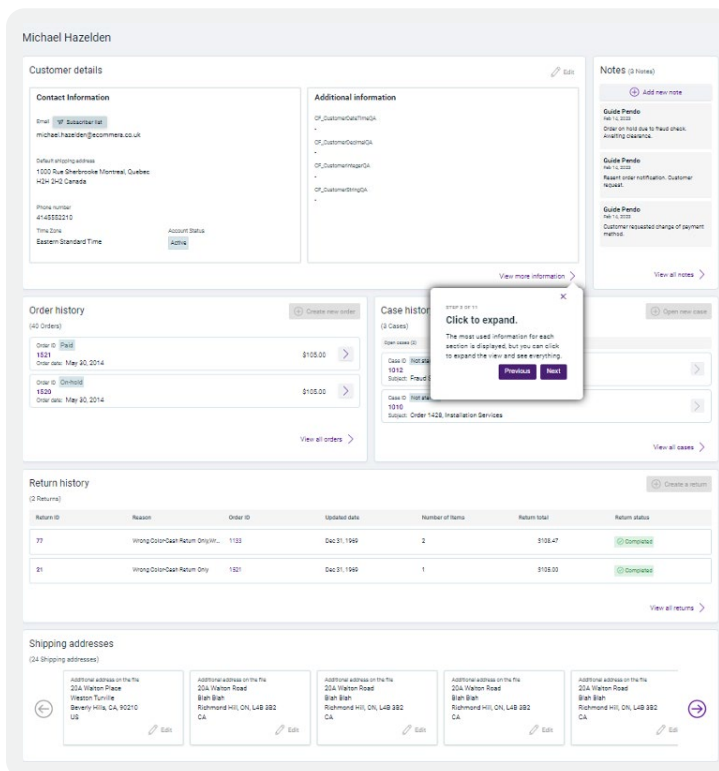
☰ {}

Name		Required	Type
☐		true	UpdateInventory[]

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Omnichannel Front-end

With a Tecsys Omni™ platform optimized front-end, retailers get a 360-degree view of the customer through a web-based application that can be accessed in-store or by the back office.

The app combines store fulfillment functionality and back-office CRM functionality, giving store associates complete control over the customer experience. In addition to customer, order and inventory information, it also enables native order creation, order editing, appeasements and returns.

The pace of omnichannel commerce is increasing and so is the cost of doing business. Tecsys' Omni™ Composable OMS is designed to help retailers provide an enterprise-level frictionless commerce experience, with a fast ROI and ownership of their future omnichannel capabilities.

About **Tecsys**

Since our founding in 1983, so much has changed in supply chain technology. But one thing has remained consistent across industries, geographies and decades — by transforming their supply chains, good organizations can become great.

Our solutions and services create clarity from operational complexity with end-to-end supply chain visibility. Our customers reduce operating costs, improve customer service and uncover optimization opportunities.

We believe that visionary organizations should have the opportunity to thrive. And they should not have to sacrifice their core values and principles as they grow. Our approach to supply chain transformation enables growing organizations to realize their aspirations.

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