

enactor

Perfectly Designed for Omnichannel Retail

Enactor solution overview





Enactor Microservices Framework and Tooling

Estate Manager, OMS & Inventory

Headless Commerce Microservices

Front-End Applications

The Layers of Enactor

The scope of the Enactor Platform is formed across numerous layers from applications through to the core technology that Enactor is built from:

Front-End Applications

Applications for both customers and staff to use. This includes applications such as POS, Mobile POS and Clientelling, as well as store inventory and click and collect. These applications are all part of the out-of-the-box solution.

Headless Microservices

Our entire stack consists of hundreds of Microservices, including a significant number for headless commerce. They are incredibly granular and flexible, and come with our extensive tooling to enable retailers to easily manipulate them.

Estate Management

A central web configuration tool. With Estate Manager, you can control absolutely everything in the global store and web estate.

Order Management

Enactor's business-process-driven enterprise ordering platform for large store estates. It centrally orchestrates and administers orders and, in-store, it surfaces applications for executing process like picking, transferring, collecting and presenting click and collect orders.

Inventory Management

Enactor's online inventory system. Comes with all the features for managing central and in-store stock. In addition, this comes with a set of applications for executing store stock activities such as transfers, receives and counts which can run centrally in the back office or on an HHT (Hand Held Terminal).

Enactor Microservices Framework and Tooling

Enactor has its own suite of tools for building enterprise level applications for stores and online commerce. There's a whole host of tools and technologies geared around building out of, and adding flexibility to, Microservices.

Platform of Technologies

The Enactor platform provides the core technologies, systems and services needed to run the digital retail enterprise in one unified suite of products. This involves a wide range of libraries, frameworks and technologies. Our core language is Java, but we are also leveraging more recent web technologies like React JS and Node JS. We have an "open-source-first" methodology, where we utilise technologies from the software community.

Rich, Scalable and Flexible International POS

A true representation of a genuine “Point-of-Service” solution. Includes a host of new features and applications – such as integrated ordering, CRM and clientelling, task management, diary management, integrated email and messaging.

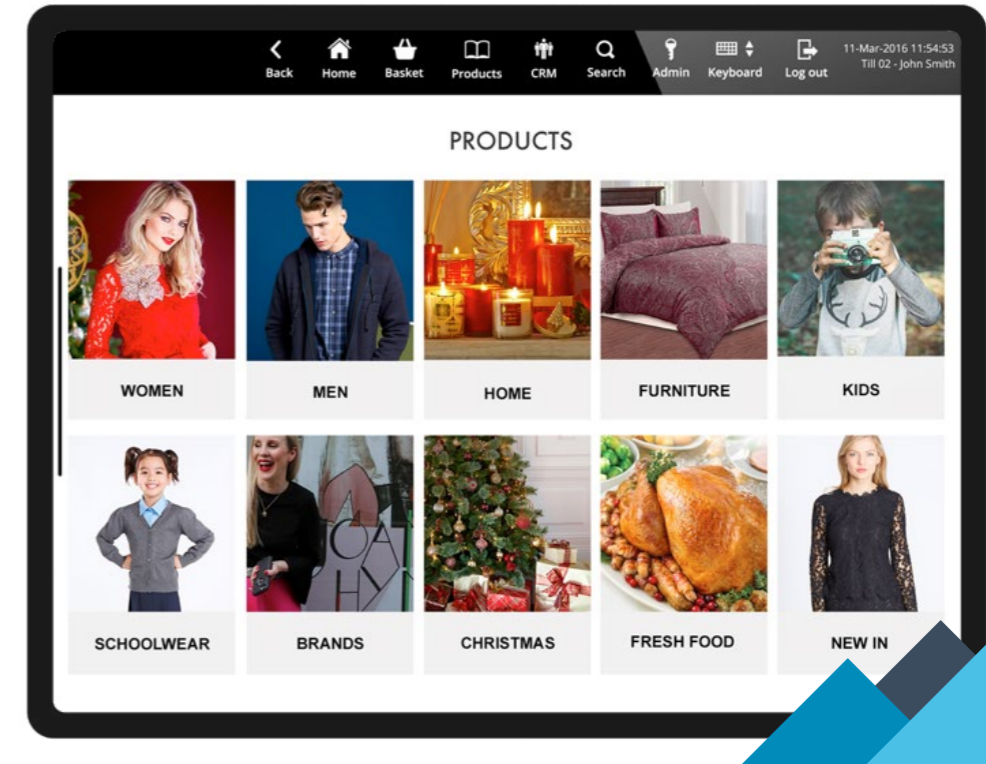
Part of the differentiation of Enactor lies in the technical architecture that facilitates leading-edge retail experiences. Built specifically to enable retailers to leverage the power of Omnichannel themselves.

Technical Strengths

- Exact same codebase for Fixed and Mobile
- Operating System Agnostic
- Database Agnostic
- Can run iOS, Windows and Android Thick or Thin
- Comes with either a React JS or Java Swing UI out-of-the-box
- Run any architecture, any way, from cloud, thick, thin to mobile, fixed, using a store server or a master POS
- Support a truly international configuration



Mobile and Fixed Point of Service



- Full POS Functions
- Clientelling & Customer Orders
- Recommended Products
- Loyalty & Rewards
- Endless Aisle
- Promotions
- Follow Me Basket
- Store Order and Collect

Enactor Innovations in POS

Headless POS

We can plug our POS into any UI technology. So get either your or our web developers to write any POS or SCO front-end, for any app or vertical. We have customers doing this today.

E-commerce Bridge

We have technology for locally integrating into our customers' Websites at POS level. So they can leverage their website in-store and bring baskets into the POS. Currently running in 3 major customers.

Self-Checkout

Our POS back-end comes with a set of rich interfaces for driving any SCO. Whether it's our own SCO or a big NCR or Diebold unit, like you find in the supermarkets.

Enactor Microservices Framework and Tools

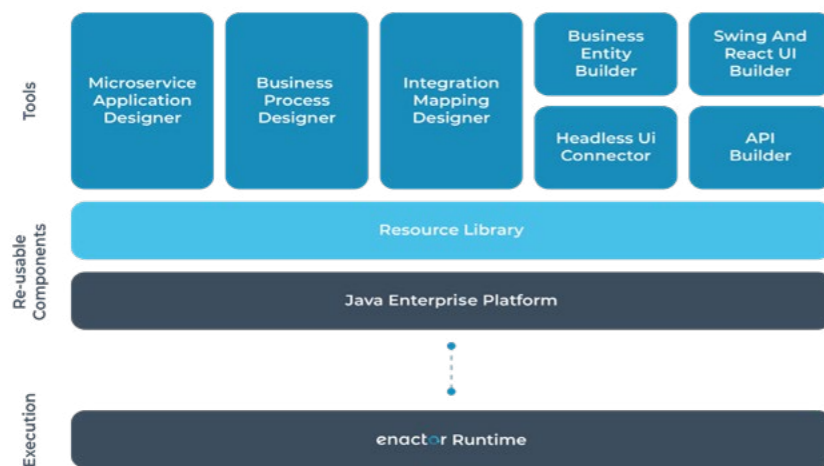
The Enactor Microservices framework and tools are a collection of Enactor's own platform of technologies, on top of Java, for building commerce applications and services.

They range across a variety of functional areas, from building Microservices, building headless applications, integrating UI technologies, building enterprise level business processes, mapping integrations and building UIs. The base layer of the stack is an Enactor runtime which processes and executes the output from the tools.

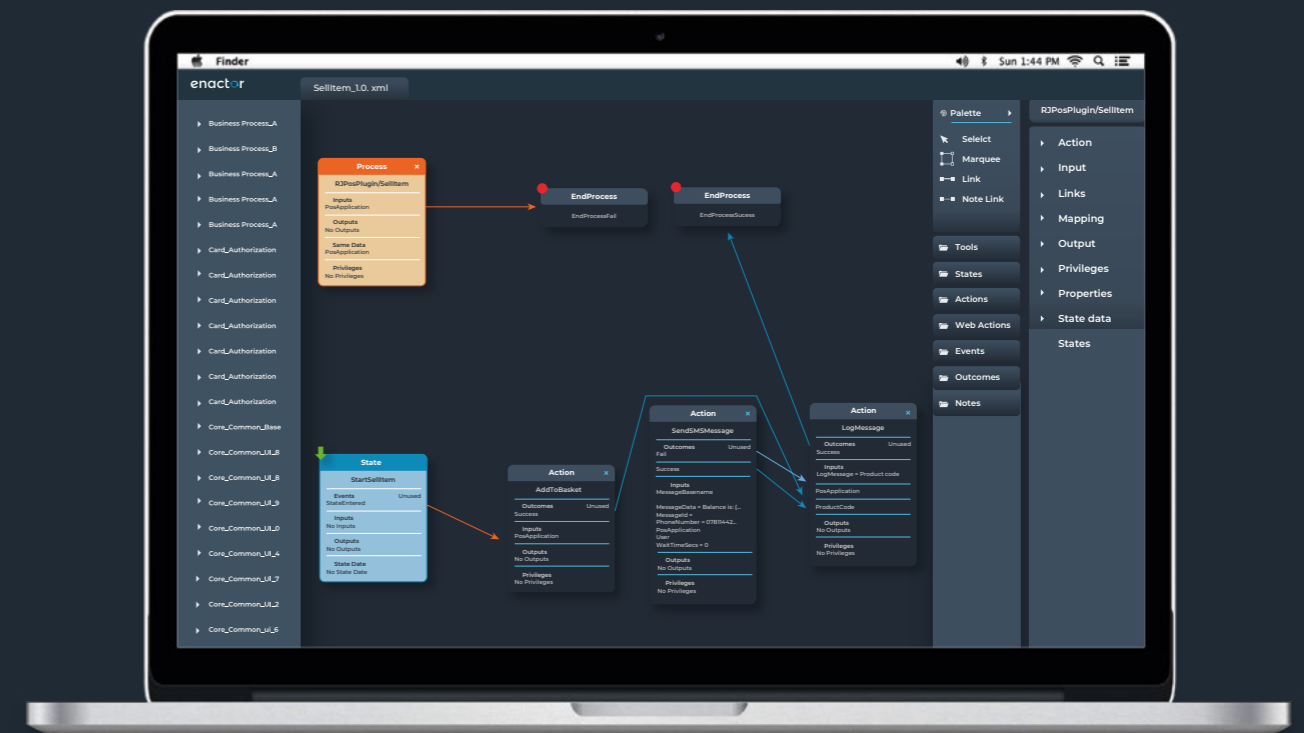
Enactor has a suite of retail and commerce product applications which have been built using

this framework and tools. Headless commerce Microservices such as product and promotions, and weightier headless applications such as order management and point-of-sale are all examples of these.

Core to the tools is a set of flow-based designers. Each, in their own way, offers an additional, abstracted layer on top of the core technologies with the result being a flexible and scalable platform for building applications in the modern world of headless and international commerce. Most striking is the flow-based nature of the tools and how the design and development phases are clearly combined when building in this way:



Microservice Application Designer



Enactor Innovations in Enterprise Retail Software Architecture

Flow-based Microservice Tools

In Enactor we build applications with hundreds of thousands of Microservices using our own flow-based tools. This offers unparalleled flexibility in our software for making change.

Run Java POS on iOS and Android

Practically a world first. We have built a framework and VM which means our Java Framework can run natively on Android and iOS. Get thick POS across all major operating systems!

Customer Self-Sufficiency

Our Toolkit means that customers with IT departments can take control of their digital destiny and do all their own development. Tier 1s like O'Reilly Auto Parts are doing this!

Enactor Estate Manager

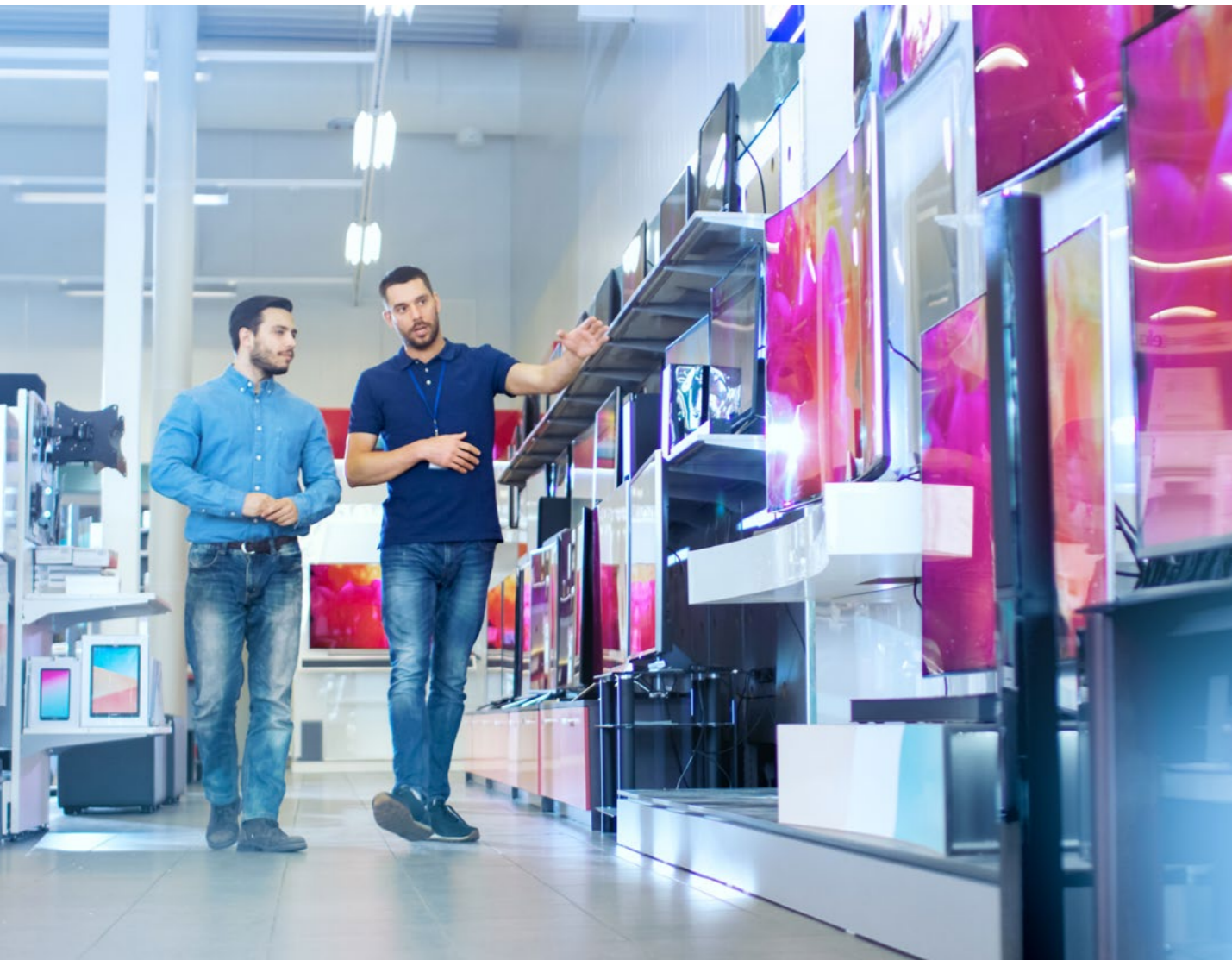
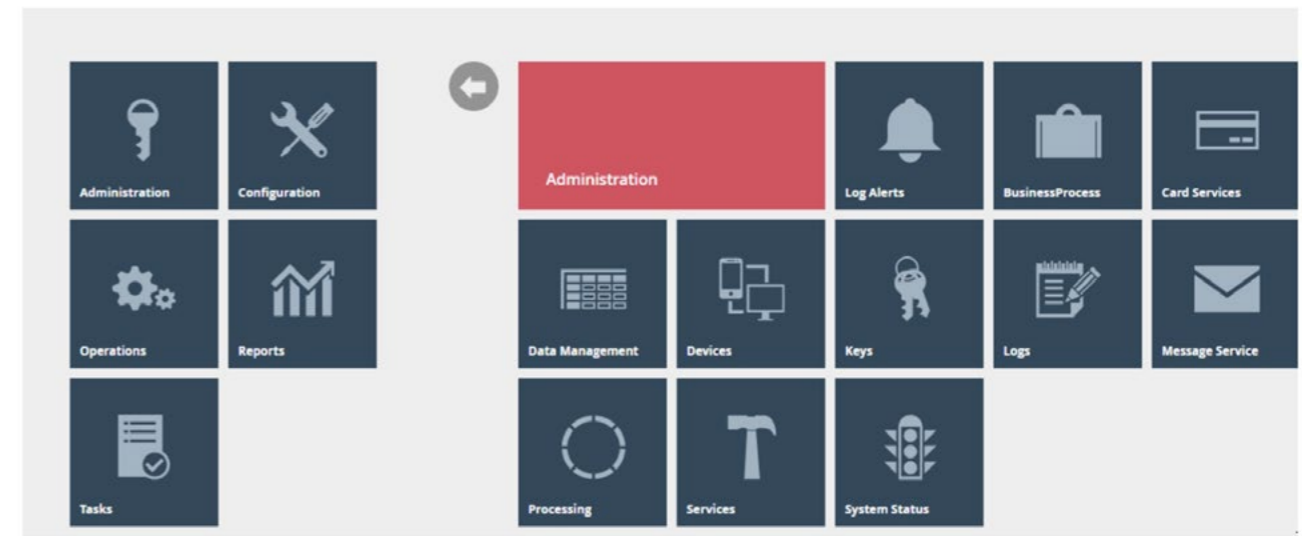
Centrally configure your entire system incredibly effectively

The Enactor Estate Manager is a complete enterprise solution consisting of over 200 applications to manage and control all store and commerce operations. It manages applications across multiple locations, across different countries and in different currencies.

It offers a comprehensive web portal interface available to all administration and operational users. Like all Enactor applications, it is online, real-time and can be hosted and run in the cloud or on your infrastructure.

enactor

Location: estatemanager Signed On: ADMIN



- Real-time transaction collection and processing of store data and transactions
- Integrity checking and audit of POS transactions
- Central repository of transactions for transaction search and controlled returns
- Full set of configuration applications supporting all functionality available across the whole unified commerce landscape
- Built in data and software distribution
- Built in messaging system
- Includes BPEL engine and Business Process Engine
- Task management system
- Enterprise diary
- Reports engine with design tool

Enactor Innovations in Enterprise Configuration Tools

Docker, Kubernetes and SW

Over the last 3 years we have containerized our product and process with Docker containers. This has given us a huge boost in flexibility, scalability and efficiency in deployment in AWS, Azure and on-prem.

One Click Deployment Tool

We've built a set of deployment tools so that you can build and deploy any Enactor version in just a few clicks. Just choose your OS, version number, AWS or Azure then boom! It deploys fully automatically!

International and Fiscalisation

Enactor has a fully international solution capable of delivering truly localised and translated configuration to any store, device or channel. We have also incorporated dedicated fiscal, team building compliant, solutions into our standard product, with 8 countries added in 2019 alone.

Headless Commerce

A Single Unified Commerce Platform on Microservices

The Enactor back-end is a complete headless commerce platform. Packed full of functionality and rich data structures, it can be the single platform for all your store, commerce and mobile apps.

We have a rich REST and SOAP API layer for integrating into any application, smartphone app, kiosk and web front-end. This means that we can radically modernise your architecture with a Microservices landscape and be a platform for overcoming future challenges with respect to retail software solutions.

Much Richer and More Flexible than “Black-Boxes”

Functionality and configurability

Our Microservices are much more than just a database with an API. Every function we have made in Enactor is a microservice, so everything we have made is available as a service. This means that our platform is inherently richer than most on the market. Each group of functions in Enactor is also inherently configurable. Take Promotions for example, we have an incredibly powerful Promotions Engine which you can see from the extremely rich configuration options in Estate Manager.

Enactor Innovations in Headless Commerce

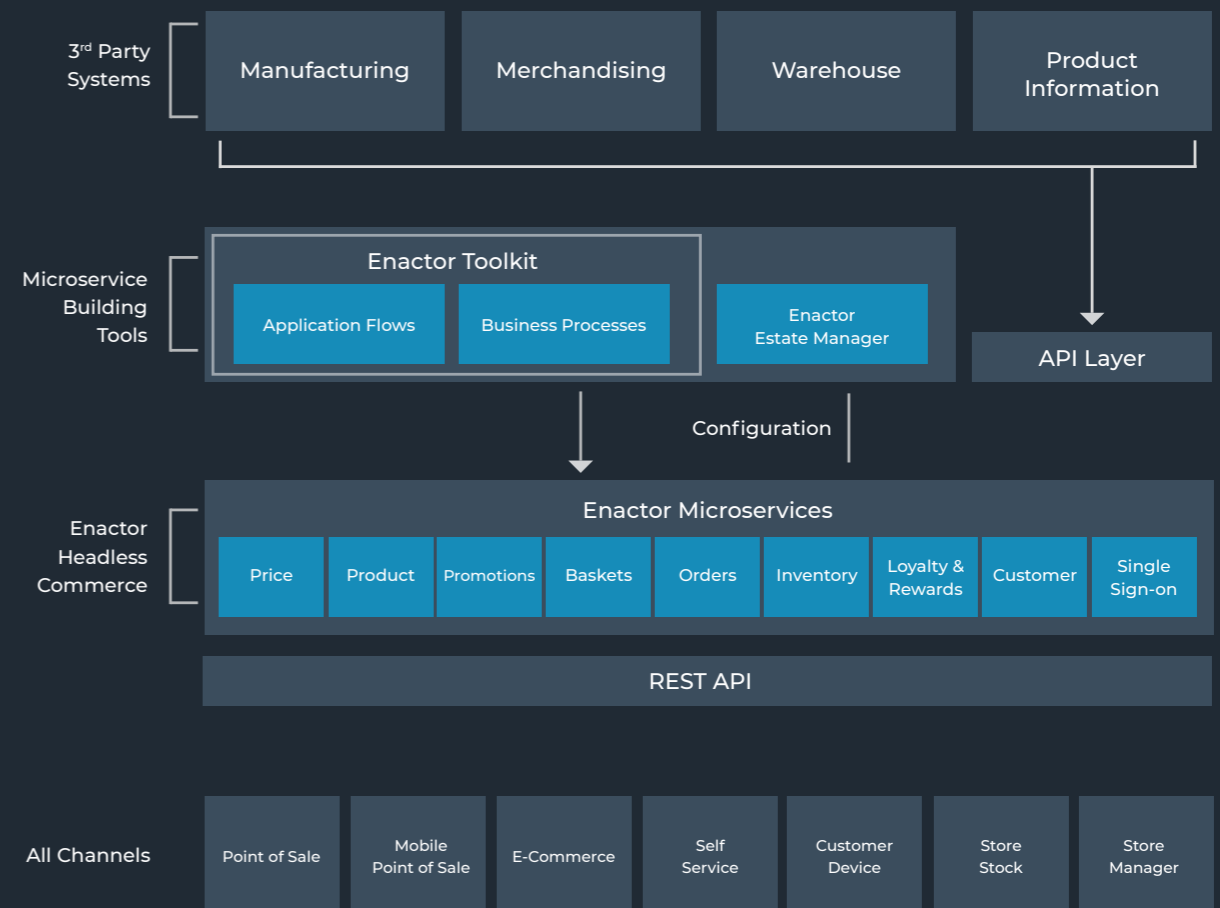
Tooling in Headless Commerce

Enactor has been building software with Microservices for many years. But we have found that you also need the right tooling in order to get the real power of them. That's what we have.

Business Processes

Our ability to deliver headless commerce is propped up with a powerful Business Process Engine and tool for building them. For example, inventory process, ordering, loyalty and customer interactions can all be driven by them.

Headless Commerce Architecture



Thank you for reading Perfectly Designed for Omnichannel Retail

For more information on Enactor's capabilities please contact us via info@enactor.co.uk or visit enactor.co