

A lifestyle retail firm modernizes its Merchandise Management System using **Microservices** to drive innovation and reduce maintenance cost



Customer

A leading retail company that focuses to deliver humor and enjoyment by touching the lives of the people. They are a mainstay in popular culture and continues to evolve.

Business Challenge

- A retail company was using **Sirius Merchandise Management System** as the core business solution to manage its operations; however, the current system wasn't scalable to manage large volumes of data.
- The customer wanted to move the existing MMS system to **Mi9 software using a Microservices** architecture.
- Customer was looking to have a scalable solution which is easy to maintain. The new solution must be able to:
 - ✓ Provide real time event-based Purchase Order (PO) information across all systems
 - ✓ Easy deployment and reduce configuration efforts
 - ✓ Seamless integration with any message broker
 - ✓ Effortless integration to any document form storage systems like Elastic or Mongo database to leverage analytics on the large stored data.

WinWire Solution

WinWire helped the customer migrate the existing platform to a **hybrid system** that replicated data between cloud and on-premises by leveraging **Microservices** design.

- The new highly scalable system instantly reacted to changes rather than **batch loads** which was possible by building a set of well-defined microservices built for specific functionalities.
- The solution helped the customer eliminate hundreds of point-to-point communications by using event messaging.
- Easily integrated to **elastic search** (which stores the document form of output from the microservices) with minimal configuration
- All microservices are **docker-enabled** which helps in easy deployment
- These microservices are not dependent on others, so they can be easily scalable independently and easily maintainable.

Business Value

- Integrated business process to ensure smooth maintenance going forward
- Simplified application integration and robust design for scalability
- More responsive system to manage volume
- Low maintenance overhead