SWIM

Case Study: Enterprise Applications

Objectives

- Intelligently deduplicate and filter multiple distributed edge data streams
- Reduce network and storage costs
- Provide real-time visibility of asset flow and supply chain operations
- Make insights available via real-time APIs

Summary

A leading global provider of enterprise Internet of Things (IoT) and Machine-to-Machine (M2M) communication solutions needed to improve its visibility into high-value assets. Using SWIM EDX, the company was able to process readings from thousands of RFID readers at the edge - reducing duplicates and coordinating for signals from multiple readers in order to dynamically track assets across multiple locations. The result was an estimated 70% reduction in network bandwidth and data storage costs that generated millions of dollars of savings.

Solution

SWIM EDX was deployed on local machines to process millions of tag readings, creating context-rich data streams that were used to build real-time analytics and dashboards. While providing reliable, low-latency processing at the edge, SWIM EDX was also able to automatically discover the RFID readers, dynamically create a mapping of the area and tag movements, and perform basic analytics around performance. This allowed operators to quickly track and trace asset movements across multiple locations on the SWIM User Interface with real-time and historical views for an intuitive understanding of trends and analysis. SWIM EDX enabled the enterprise client to deliver a dynamic asset tracking solution to customers, while simultaneously reducing total cost of operation (TCO) of their existing asset tracking application.

Learn More

Learn how SWIM uses edge intelligence to deliver real-time insights from the dark data generated by connected infrastructure by visiting www.swim.ai