

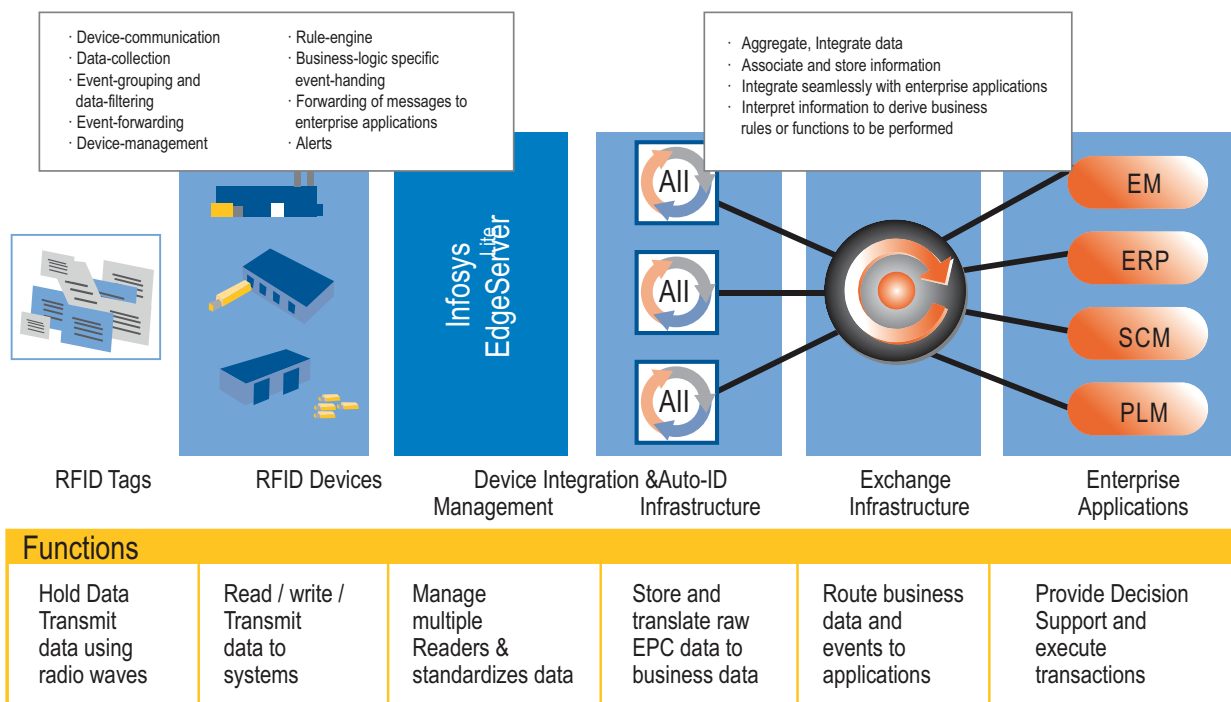
Infosys' Solution on SAP-RFID Integration

By leveraging enterprise applications and RFID technology, organizations can achieve higher operational efficiency and reduce operational costs. Real-time visibility and accuracy of information on materials in the supply chain provide 'physical information' residing in the enterprise applications to enable better management of assets. Besides being a big boon to inventory management, this also directly or indirectly benefits other supply chain functions like, Purchasing, Supply Chain Planning, Production, Asset Tracking, Returns Processing, etc.

The technology landscape that integrates the RFID hardware to the enterprise applications should be flexible enough to handle large volumes of data with speed. RFID middleware offers this capability. Apart from flexibility, the competitive advantage of the middleware lies in its ability to provide configurations or off-the-shelf solutions to define business rules for a wide range of business scenarios.

Solution Overview

Infosys offers a comprehensive solution that enables enterprises to harness the transformational potential of RFID.



The two critical components that help to gather data from various devices and transform them, to derive a business event and execute a business transaction in SAP backend systems are:

Infosys EdgeServer^{Lite}:

The EdgeServer^{Lite} components enable rapid deployment of RFID by leveraging existing IT infrastructure. It helps to manage a number of hardware devices and integrates with SAP's Auto-ID solution to deliver an end-to-end integrated solution for businesses.

Plug & play adapters for devices and ERP systems along with the reference architecture and framework components allow seamless connectivity to RFID devices and sensors at one end and SAP AII at the other. A web-based device management module allows system administrators to monitor, configure and control enterprise-wide deployment.

SAP's Auto-Id Infrastructure

The AII component communicates with device integrators and also integrates with the various enterprise applications via the Exchange Infrastructure (XI). The AII components have in-built functionalities that can have pre-defined business rules to execute relevant transactions at the enterprise layer. The benefits of XI can be leveraged fully, as the component acts as a layer that can integrate processes across various SAP and Non-SAP applications.

Prototype developed for Automobile Manufacturers

This is a RFID-enabled outbound scenario in SAP for an automobile manufacturer. Here, vehicles are identified using a unique Vehicle Identification Number (VIN). It helps track information on the vehicle's movement and position at any given point of time. This information helps in logistics planning and yard management.

The prototype has the VIN number and destination location commissioned on the RFID tag.

Benefits to Automobile Manufacturers

- The OEM can write/ commission the tag on to a vehicle along with the VIN and destination. Typically, vehicles are moved to a storage yard before shipment to the destination. This tag helps in identification of the vehicle.
- Logistics of vehicles are more easily handled with the availability of destination information on the tags. This enables vehicle logistics optimization in cases where vehicles are transported to different destinations simultaneously.
- Information on receipt of vehicles at its final destination can be secured real-time, with appropriate updates to the backend SAP systems.

The above services are delivered by leveraging on....

Business Intelligence

As data volumes grow, extracting knowledge from the data will be a challenge. Our business intelligence solution is designed to deliver that power to you enhancing your customers' experiences, by designing real-time data warehouses.

Modular Global Sourcing

A strategically mature alternative to total outsourcing and ad-hoc offshoring. Align your sourcing strategy to your business strategy, modularize your applications and processes and leverage the power of the Global Delivery Model.

Independent Validation

Infosys provides adequate validation and verification services to ensure that you get the best value from your applications. A "must have" service if you are serious about long term leveraging of your application assets.

Enterprise Application Integration

Make the whole of your IT applications much greater than the sum of its parts. See immediate and dramatic productivity growth.



For more information, contact askus@infosys.com

About Infosys

Many of the world's most successful organizations rely on Infosys to deliver measurable business value. Infosys provides business consulting, technology, engineering and outsourcing services to help clients in over 30 countries build tomorrow's enterprise.

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