maventic

Case Study: Paint Firm integrates SAP® with non-SAP systems via Amazon S3® & SAP Cloud Integration

The customer is a subsidiary of an Osaka-based chemical company and one of the largest industrial paint companies in India. It develops and supplies decorative, automotive and industrial coatings.

Challenges

Lack of REST API functionality

Required direct engagement due to the forecast application's inability to access SAP system information.

Manual demand forecasting

The process was entirely manual, relying on standalone applications.

Delayed decision-making

Inefficient forecasting led to slower decision-making.

Business Scenario

Before partnering with Maventic, the client had an SAP and a production forecast application (third-party system), wherein the latter was incapable of exposing REST APIs.

Solution

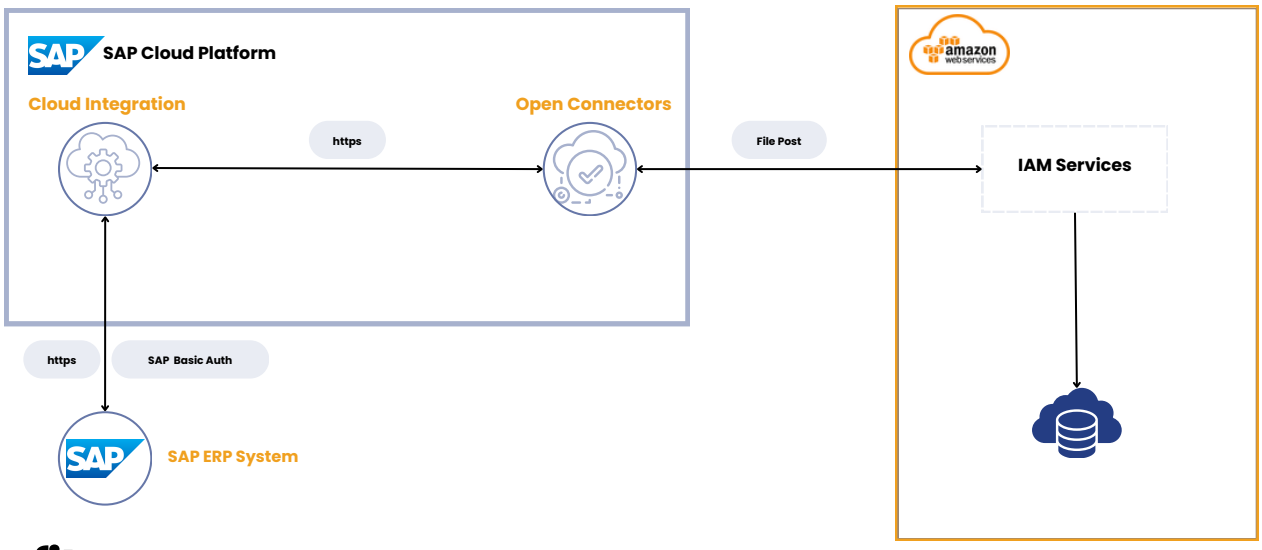
The customer decided to integrate their SAP system with the forecast application using Cloud Integration to address challenges related to file storage and accessibility. After evaluating SAP Cloud Integration partners, they selected Maventic to enable the forecast application to consume flat files from SAP via an Amazon S3 bucket. Maventic utilized SAP BTP (CPI, S3 Adapter, REST Services) and SAP ERP (ABAP) for this integration.

- **SAP BTP usage**
  SAP BTP provided flexibility for hybrid environments, with SAP Cloud Integration and the S3 Adapter enabling seamless flat file transfers to Amazon S3.

- **REST services**
  REST services were employed to interact with the forecast application. It enabled simple, scalable, and stateless communication between systems.

- **Integration flow**
  The flow involved storing flat files in the S3 bucket, which could then be accessed by the forecast application. SAP Cloud Integration facilitated the transfer of data from SAP ERP, while the S3 Adapter enabled interaction with Amazon S3.

Architecture Diagram



Benefits

Improved forecasting

On-time delivery to dealers

Reduced shortage of stock & dead stock

Increased longevity of products

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