Overview

SAP Integrated Business Planning is a supply chain planning cloud based solution. Enabled by SAP HANA, this cloud-based solution combines sales and operations planning (S&OP), forecasting and demand, response and supply, demand-driven replenishment, and inventory planning.

Integration with DataRobot implements SAP IBP's capability to leverage external forecast providers and provide options to leverage highly accurate & customized demand forecasting from DataRobot.

Purpose

SAP Integrated Business Planning for Supply Chain offers 20 different forecasting algorithms in its demand planning application. If the customer wants to complement this range with some customized calculations & leverage the full blown timeseries capabilities of DataRobot, they can do so by Integrating SAP IBP with DataRobot to achieve :-

- Better forecast results from hundreds of algorithms inherently available in DataRobot.
- Higher accuracy with multi dimensional dependency factors like climate, inflation etc.
- Integration with external Data providers for forecasting.

Components

SAP Components

SAP IBP (Integrated Business Planning): A comprehensive planning solution that helps businesses optimize their supply chain and demand planning processes.

SAP CPI (Cloud Platform Integration): A cloud-based integration platform that enables seamless data exchange between various applications and systems.

SAP Datasphere: A unified data management platform that provides a centralized location for data integration, governance, and analysis.

DataRobot

DataRobot: An enterprise AI platform designed to help organizations build, deploy, and manage generative and predictive AI/ML models efficiently. It provides tools for automating many aspects

of the machine learning lifecycle, making it accessible to both data scientists and non-technical users.

Integration setup

SAP BTP capabilities are leveraged for Integration between SAP IBP & DataRobot using SAP Integration suite & SAP Datasphere.

Integration data flow and process steps