



# Intelligent Forecasting with SAP AI Core

## Apply AI to Forecast process



Italy

# Intelligent Forecasting with AI CORE



Country: Italy



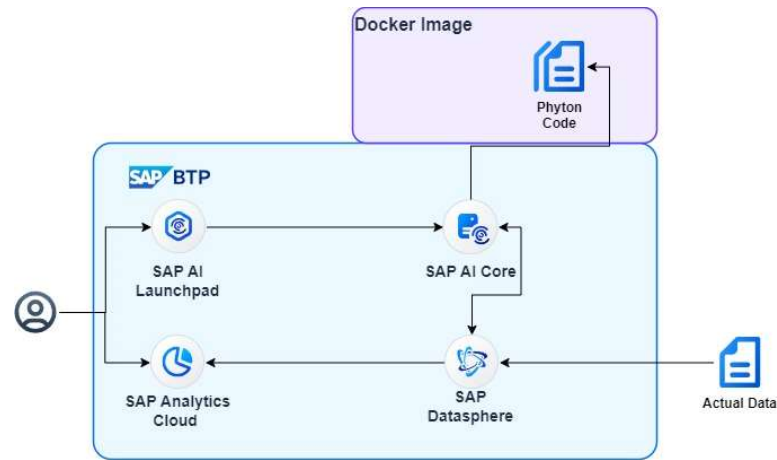
Technology platform:  
BTP: AI Core, AI Launchpad,  
Datasphere, SAC



Industry: Cross sector



Risk Review: NO



## Benefits



Solution reusability: can be adopted in different scenarios.



Predictive analysis (trained on previous periods).



This application is cloud-based, and can be integrated with other non-SAP solutions.

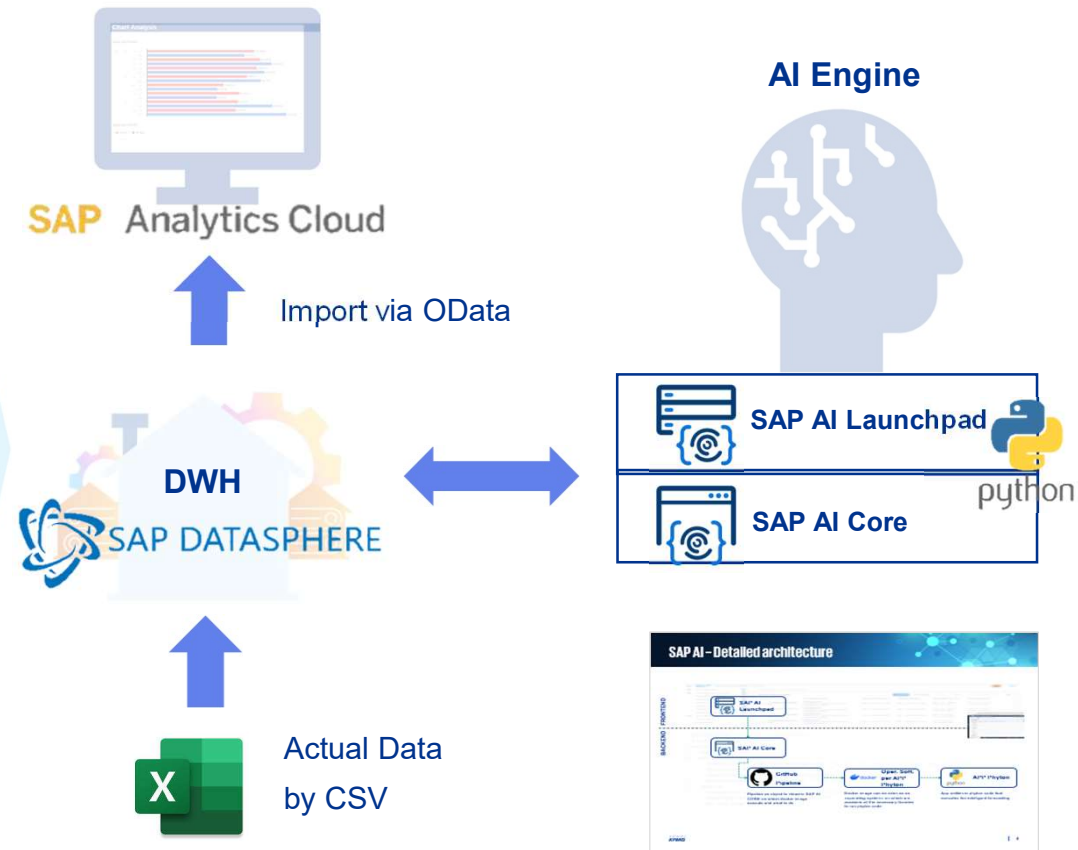
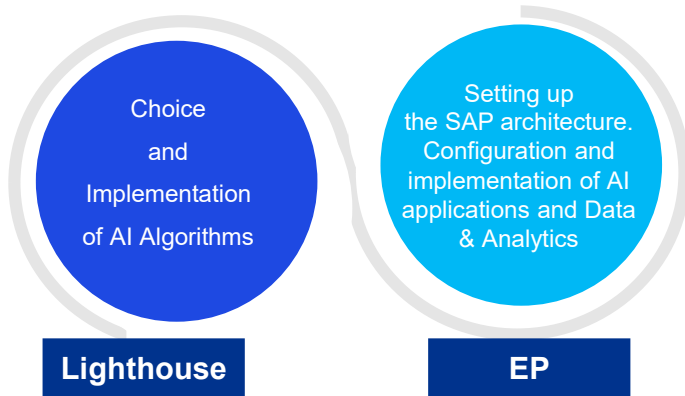


Advanced AI features, dynamically selection of best forecast model

# AI PoC

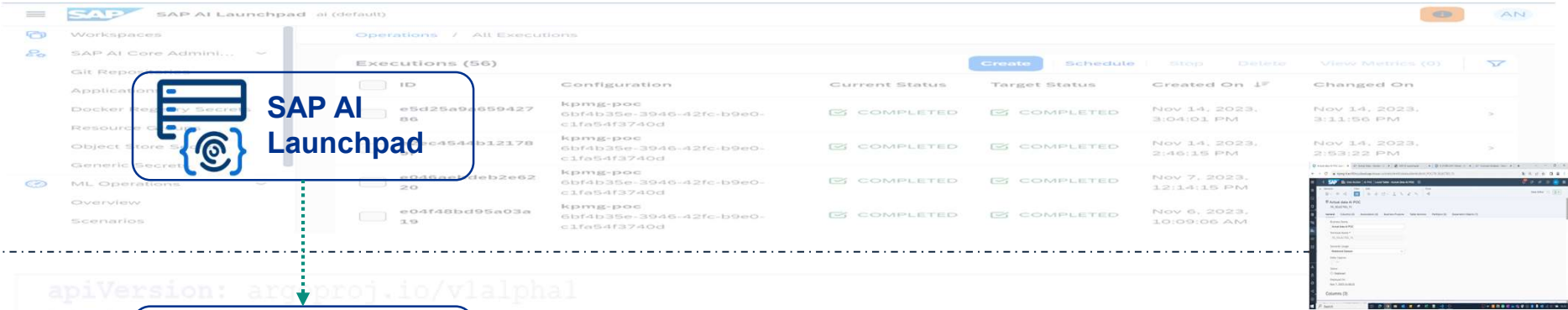
This project aims to design and construct a **prototype that applies artificial intelligence logic to the planning process.**

The outcome of this project will be a working prototype that after been fed with actual data and historical data, leveraging the appropriate AI technique will calculate the forecasting and budget data. At the end, those data will be ingested in the SAP Analytics Cloud to be displayed and eventually adjusted.



# SAP AI – Detailed architecture

FRONTEND  
BACKEND

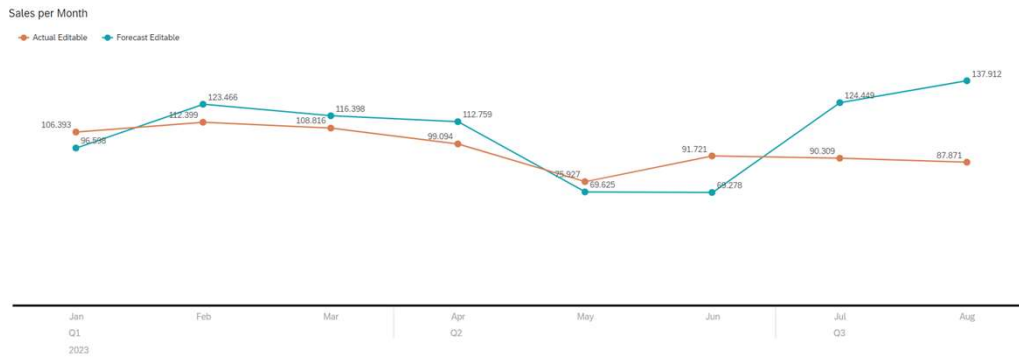
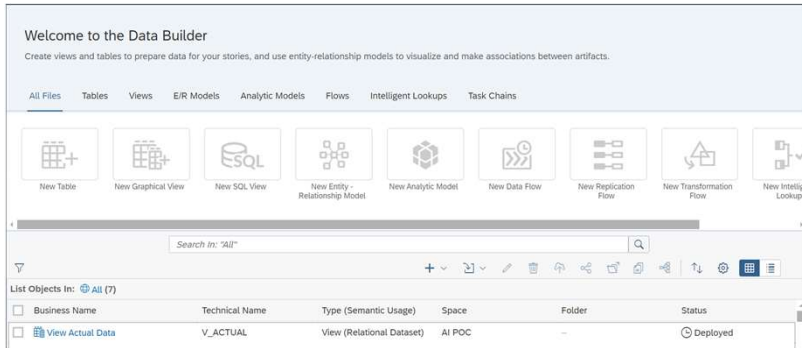


Pipeline as object to «teach» SAP AI CORE on which docker image execute and what to do

Docker image can be seen as an «operating system» on which are available all the necessary libraries to run python code

App written in phyton code that executes the intelligent forecasting

# How the solution works



## Actual Data Ingestion

Actual data are ingested into Datasphere, those data can come from heterogeneous sources.

## Forecast Data Ingestion

Python algorithm, created ad hoc and mounted over a Docker image, reads data from Datasphere. After having evaluated the forecast writes data directly into Datasphere.

The infrastructure on which python code runs is provided by *AI CORE*.

AI code is able to automatically determine which forecasting model fits the best depending on actual data read.

## Forecast Data Presentation

Once forecast data are written back in Datasphere, those data are uploaded into SAC to let user analyzes them. If necessary, business users, can also adjust data just created by the AI

# Contacts



Giuseppe Staropoli  
Associate Partner  
KPMG Advisory  
Italy



Alessandro Negro  
Manager  
KPMG Advisory  
Italy



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