



Usee

Data Centric Demand Forecast

FPT Software
2021 June



Agenda



1. What is Usee ?
2. Usee-E2E Service
3. Questions We Answer
4. Main Function
5. Our Values to Customer
6. Solution Differentiator
7. Azure Architecture
8. Security Architecture
9. Integration with S&OP Solution
10. How our solution is being leveraged in enterprises
11. Use Cases

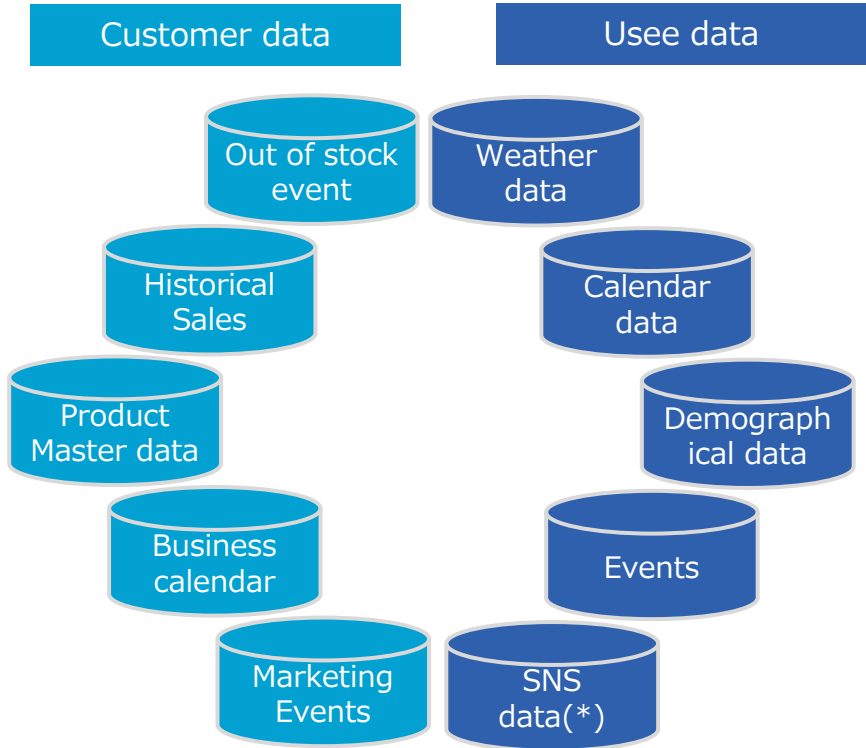
What is Usee ?



Grow with our customers

Accuracy-guaranteed demand forecasting service.

Input Data



Processing

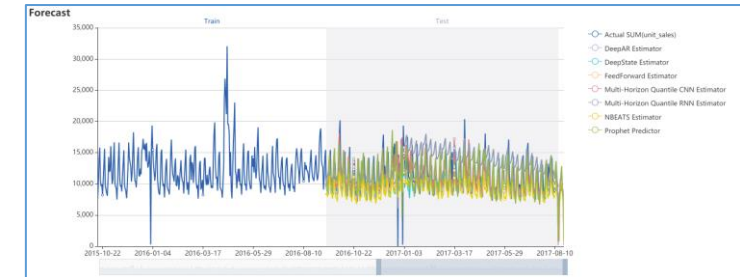


Usee

automated data integration & exploration engine

Output: Demand Forecast Result

Insight Dashboard

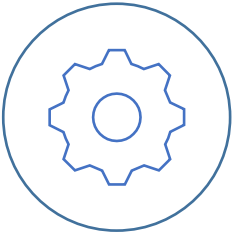


Result File



API

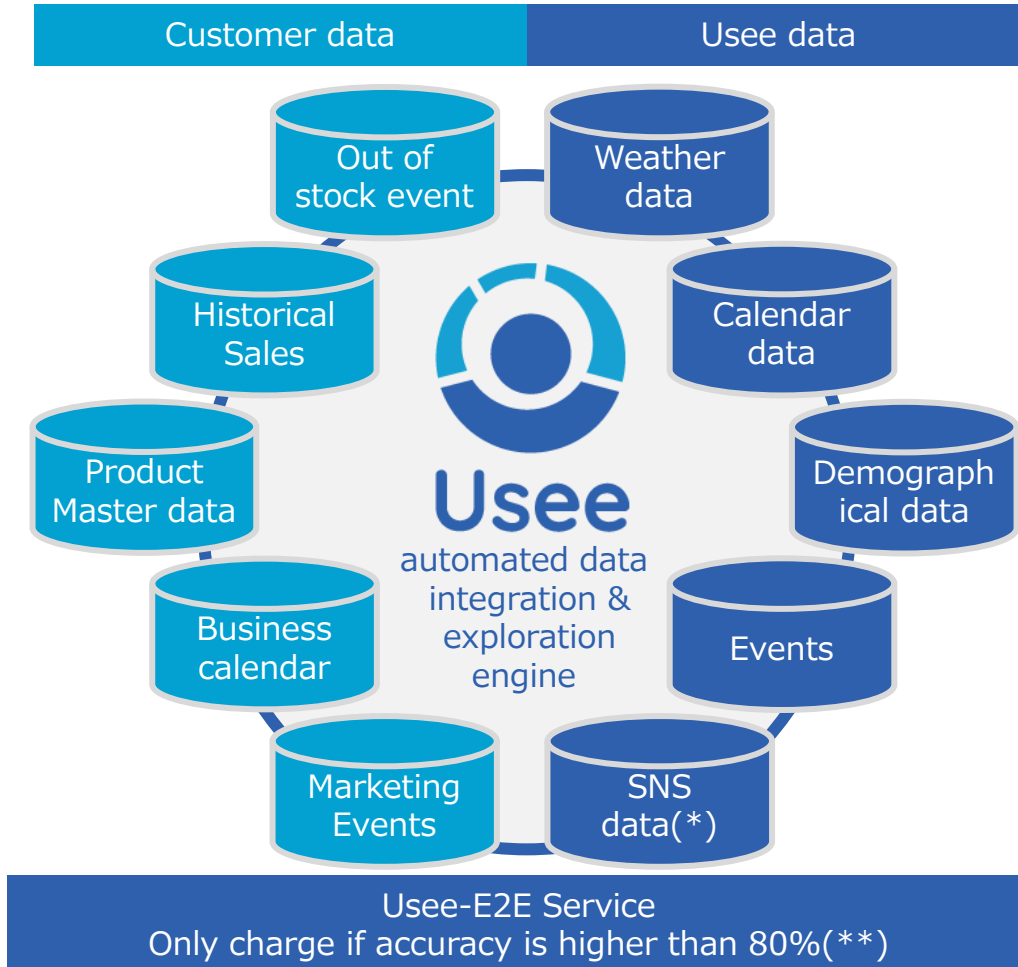
Result
Re-Upload file



Usee-E2E Service



Grow with our customers
Accuracy-guaranteed demand forecasting service.



(*)Based on customer provided key words

(**)About accuracy

• Formula

$$1 - \frac{1}{5} \sum_{t=1}^5 \frac{|Actual_t - Forecast_t|}{Forecast_t}$$

$\forall Forecast_t \neq 0$

- Time step for accuracy calculation: 5 time steps.
Eg: for daily forecast, it would be 5 days period.
For weekly forecast, it would be 5 weeks period
- If input data (condition) for making forecast is changed, the accuracy calculation period is shortened to the closed time point before the condition changed
Eg: a new digital marketing plan was planned in next 4 weeks, but then moved earlier to 3 weeks later, then the accuracy guarantee period is reduced to 2 weeks period.

Questions We Answer

Use looks for answers to the following questions in Customer's data and external data

*How many
How much*

Item sales
Sales revenue
Inbound customer
inquiry
...

in

*tomorrow
next week
next month*



Key Features

Usee has 6 key feature

6. Auto-ML Experiment

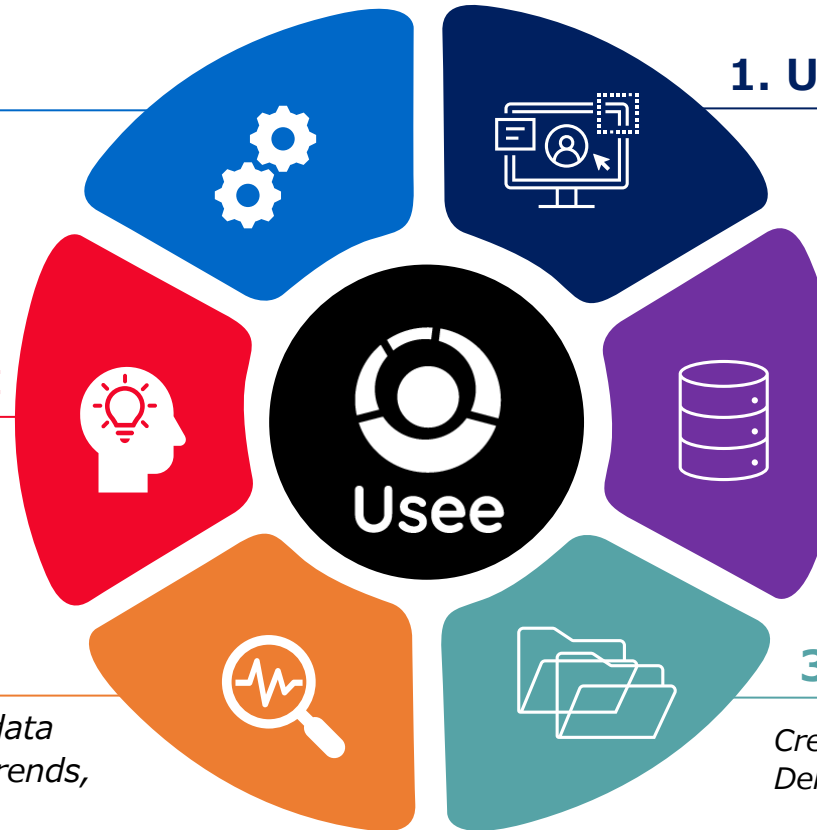
Automatically preprocess data, estimate prediction problems, train and test data, training various models, execute ensemble models, and create the optimal AI model.

5. Demand Forecast Experiment

Run multiple forecast models and view multiple forecast results and KPIs. Display detailed forecast results and Deploy API for each model. Setting re-training for deployed models (Data re-upload trigger or schedule)

4. Explanatory Data Analysis

Automatically displays the characteristics of data source (changes in time series information, trends, seasonality, residuals, etc.) on the chart



1. User management

User Registration /User Approved /Set permission
Edit profile / Change Password
User authentication authorization
User access history

2. Data Management

Create Data source (Upload , re-Upload)
Monitoring Query log
Delete Data source

3. Workspace Management

Create & share Shared-workspace
Delete Shared-workspace

Our Values to Customer



Not only model, but also data value exploration, and reducing operation cost with SaaS model.

Shorter time to market

Months \Rightarrow Weeks

Automated external data Exploration

Weather, demographical, SNS...

Accuracy based pricing model

Cost only calculated if accuracy \geq 80%

NoOps

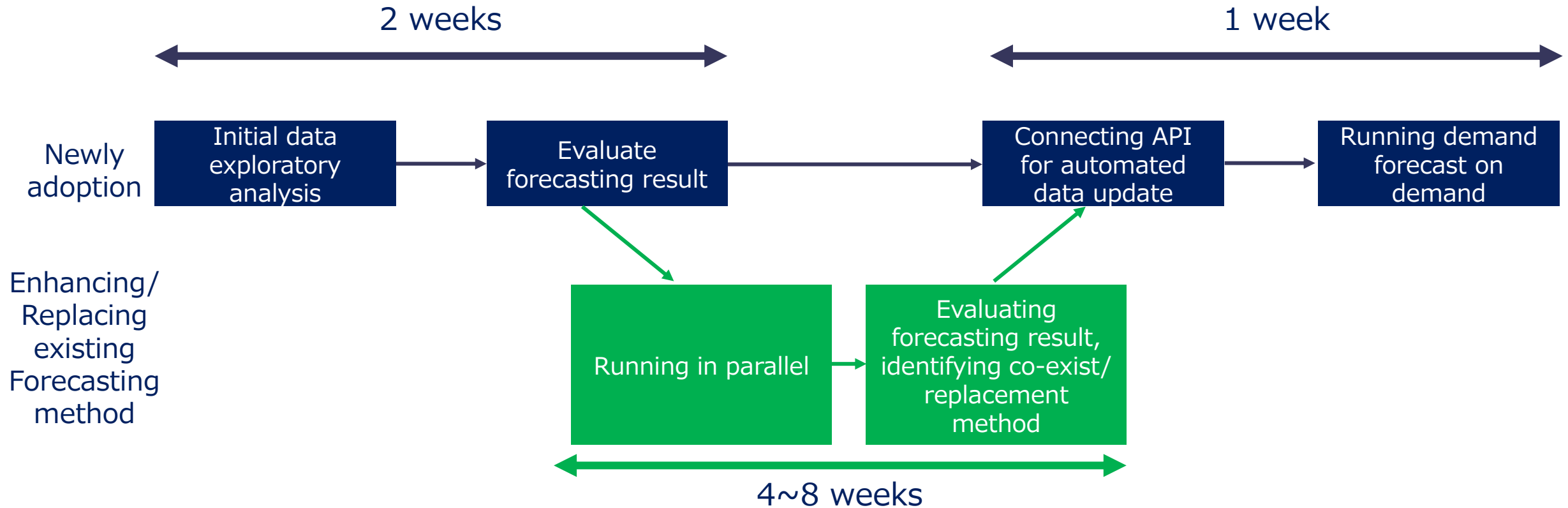
Use SaaS

Solution Differentiator



Speed and Ease of Deployment & Management

From first touchpoint to production operations: in weeks vs months



Self-maintaining: once in Production Operations, your forecasting models are automatically tuned

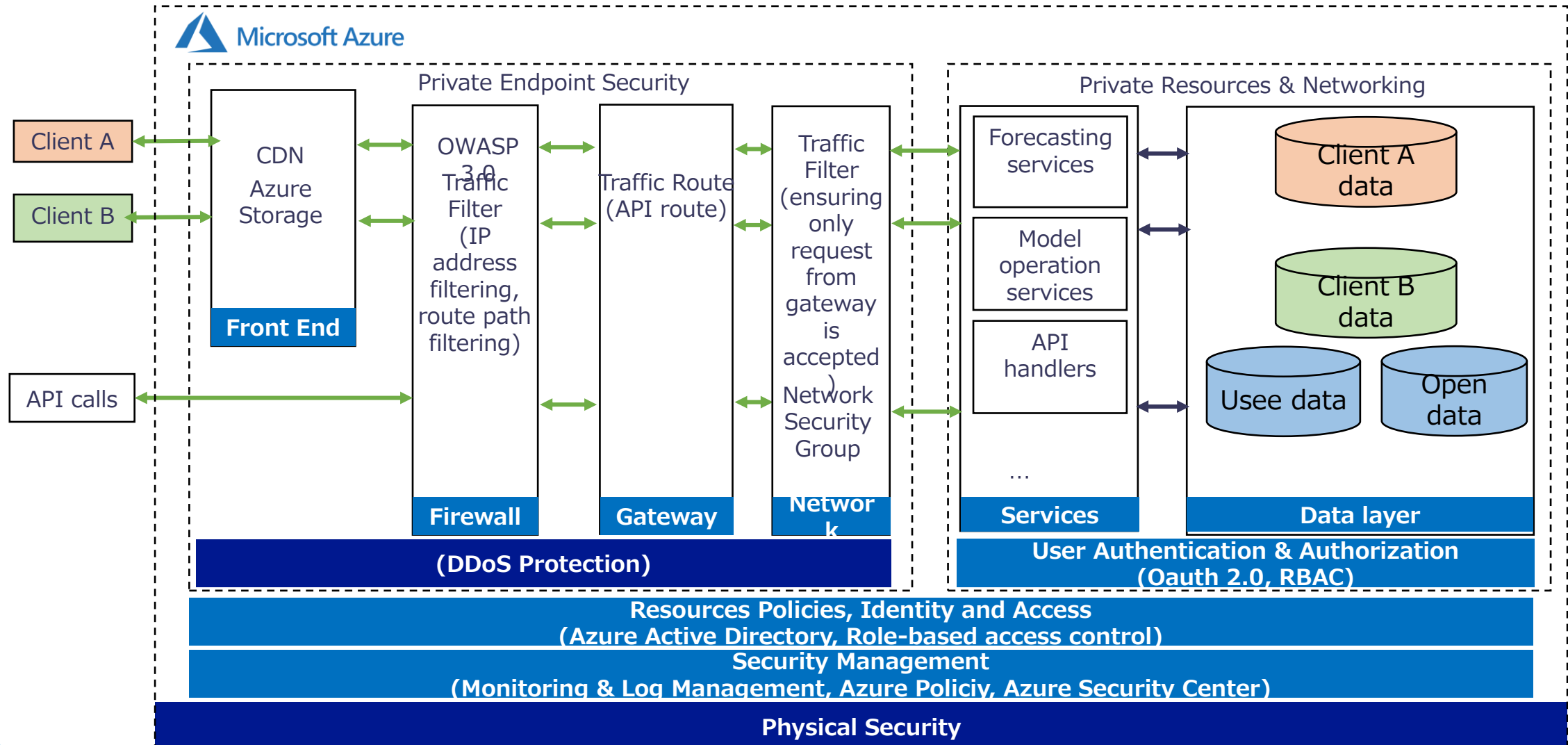
Security Architecture

Managed by Usee
 Managed by Microsoft

Https Protocol
 TCP Protocol

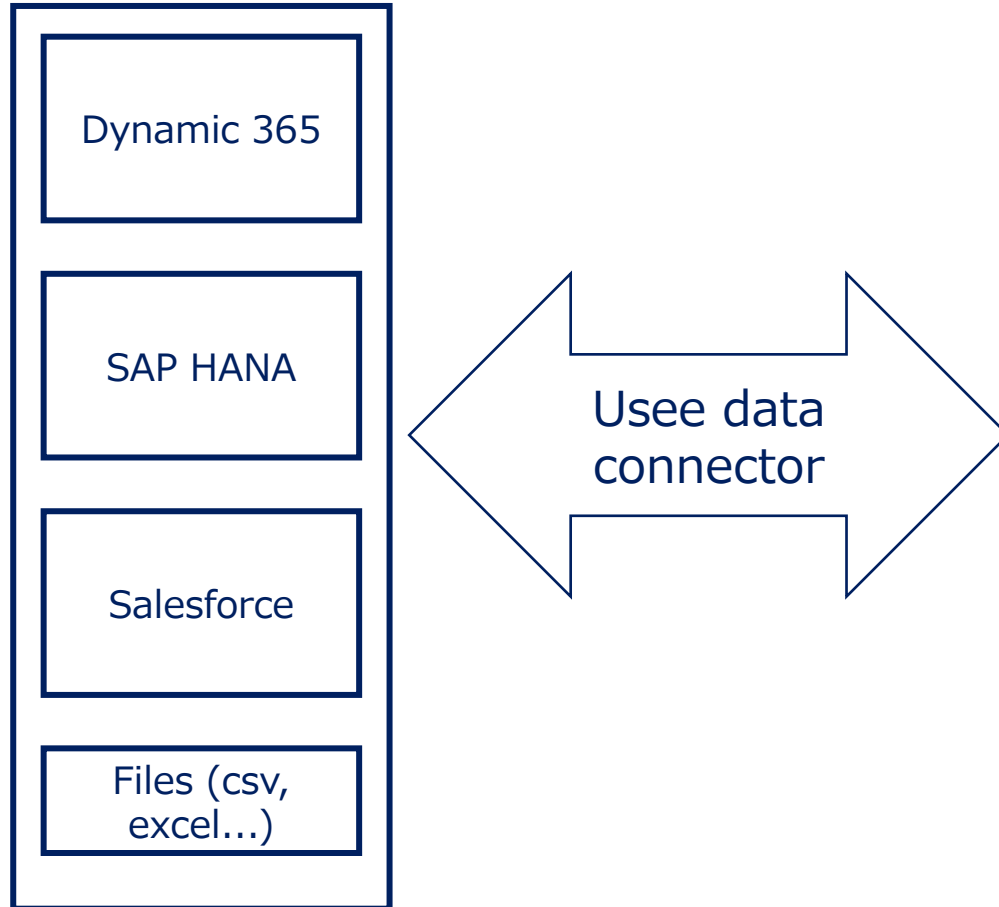


Usee protects your data in the Azure environment as follows



Integration with S&OP Solution

Integrate with any S&OP solution by Usee data connector



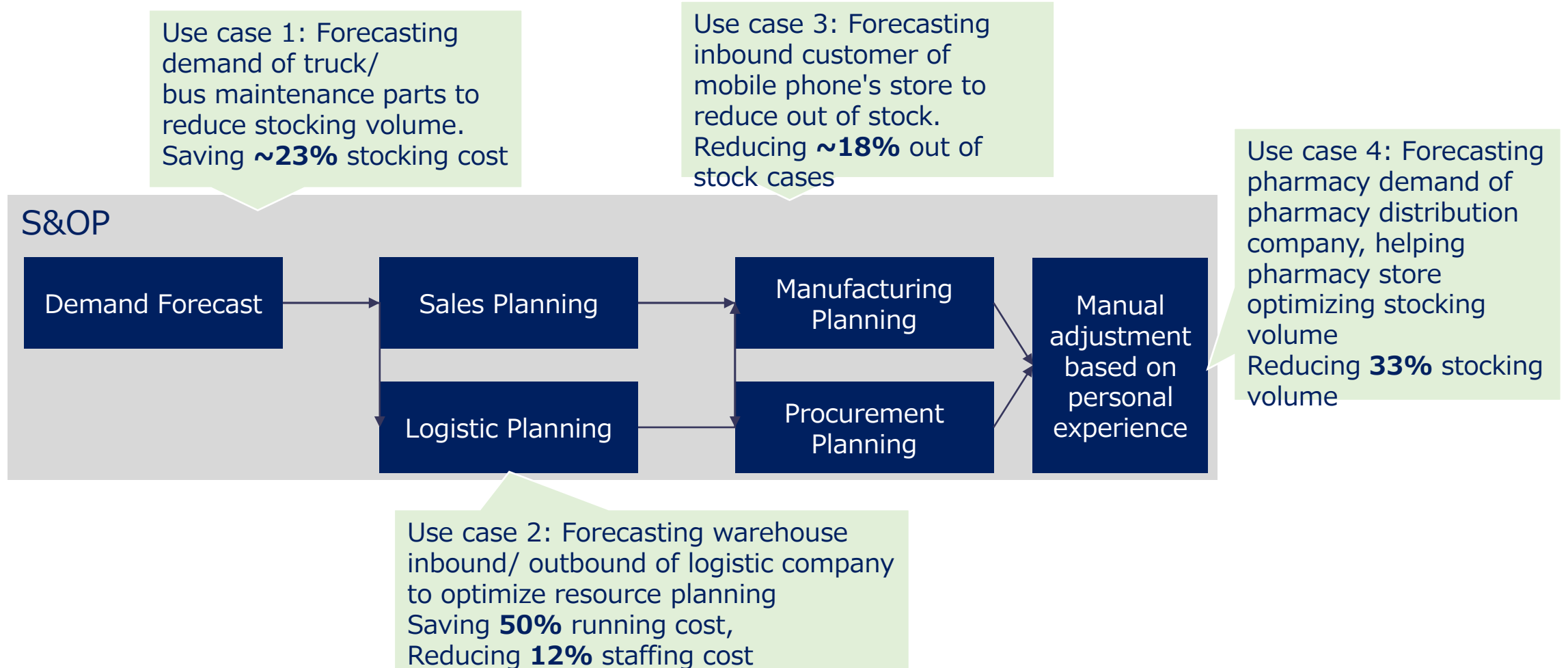
Usee



Model operation insights

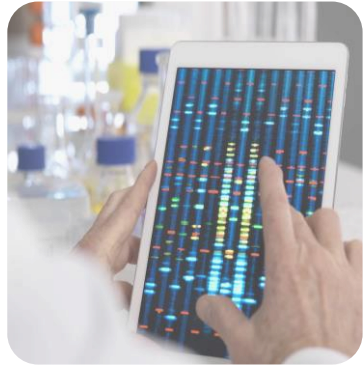
Automated demand forecast model exploration

How our solution is being leveraged in enterprises



Use Cases

Prescription forecast



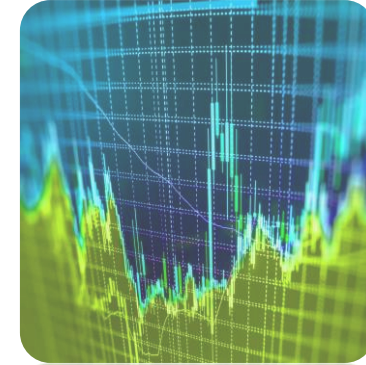
for stocking optimization

Cosmetic sales forecast



for sales visit planning

Vending machine sales forecast



for restock planning

Automobile parts forecast



for stocking optimization

Late payment forecast



for insurance rate optimization

Gas consumption forecast



to avoid out of gas for propane users



Thank you