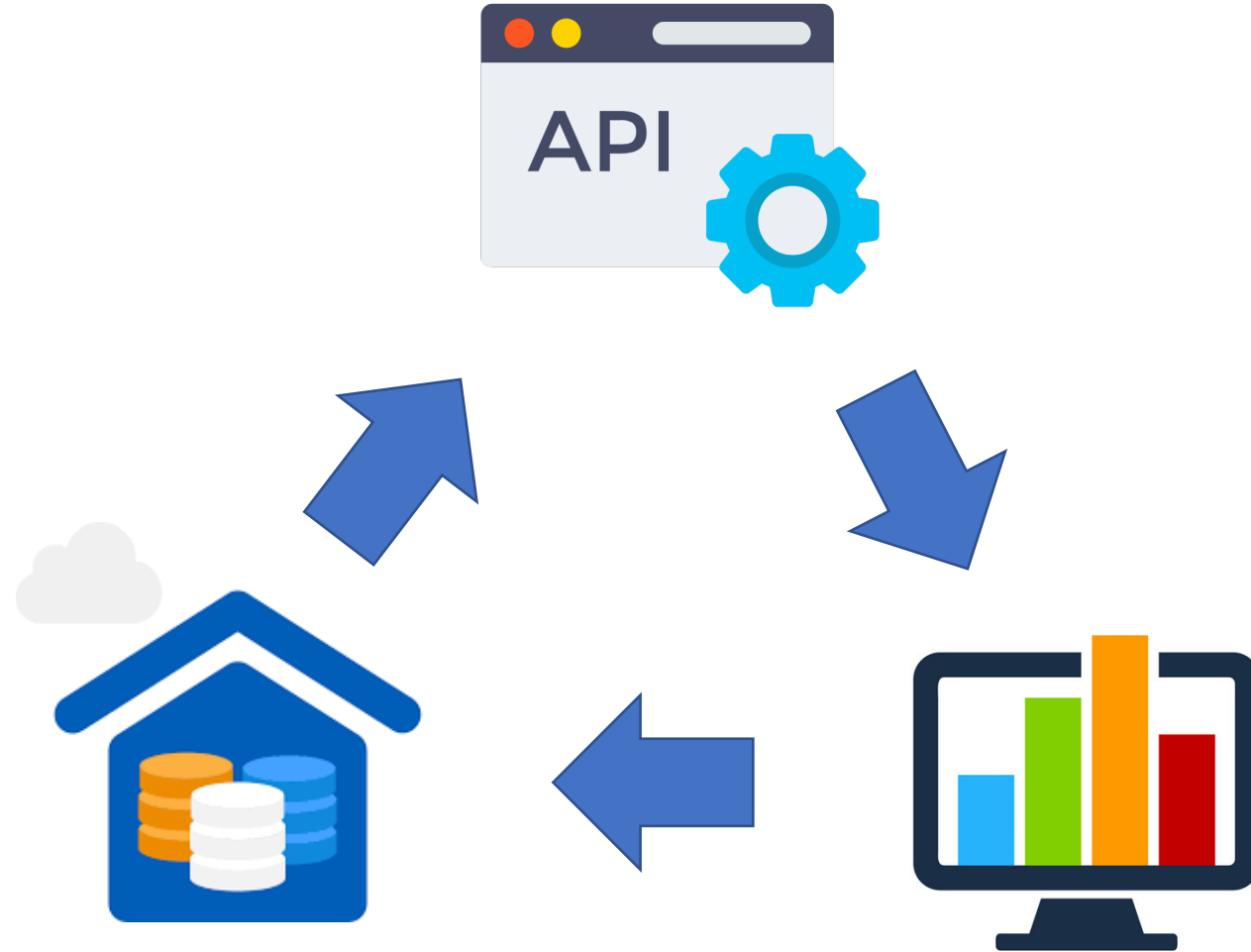




## **CUSTOMER EVENT**

Technical Strategy  
Boyd Pollentine, CTO Aspire Software  
PRAGUE 2022

What do we mean by  
API's and Big Data?



# Big Data

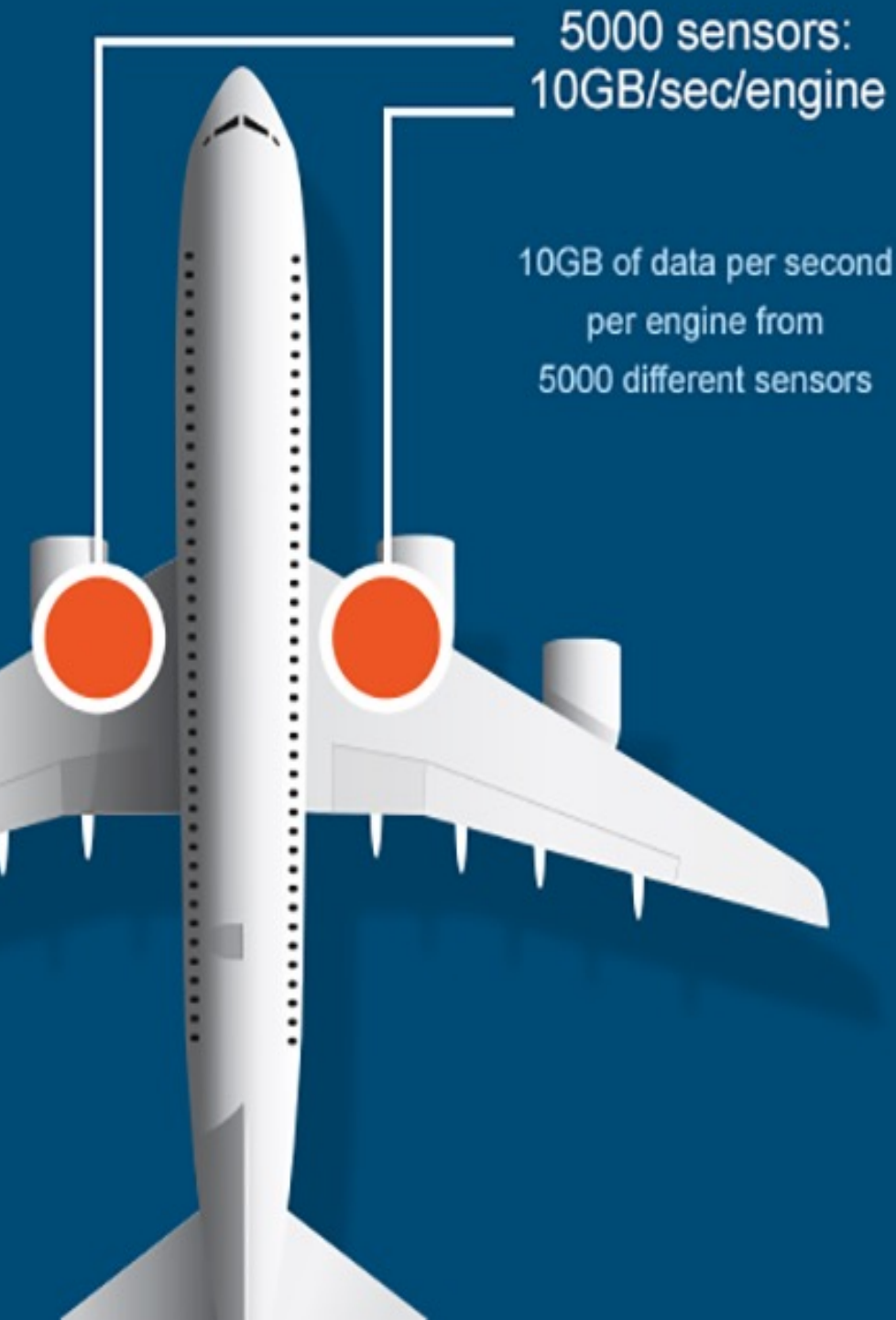






8-10 Cameras per stadium.

10 data points every second for all 22 players on the pitch, generating 1.4 million data points per game.



5000 sensors:  
10GB/sec/engine

X

2  
Engines

X

21600

X

28537

10GB of data per second  
per engine from  
5000 different sensors

twin engine  
Airbus 320 or  
Boeing 373

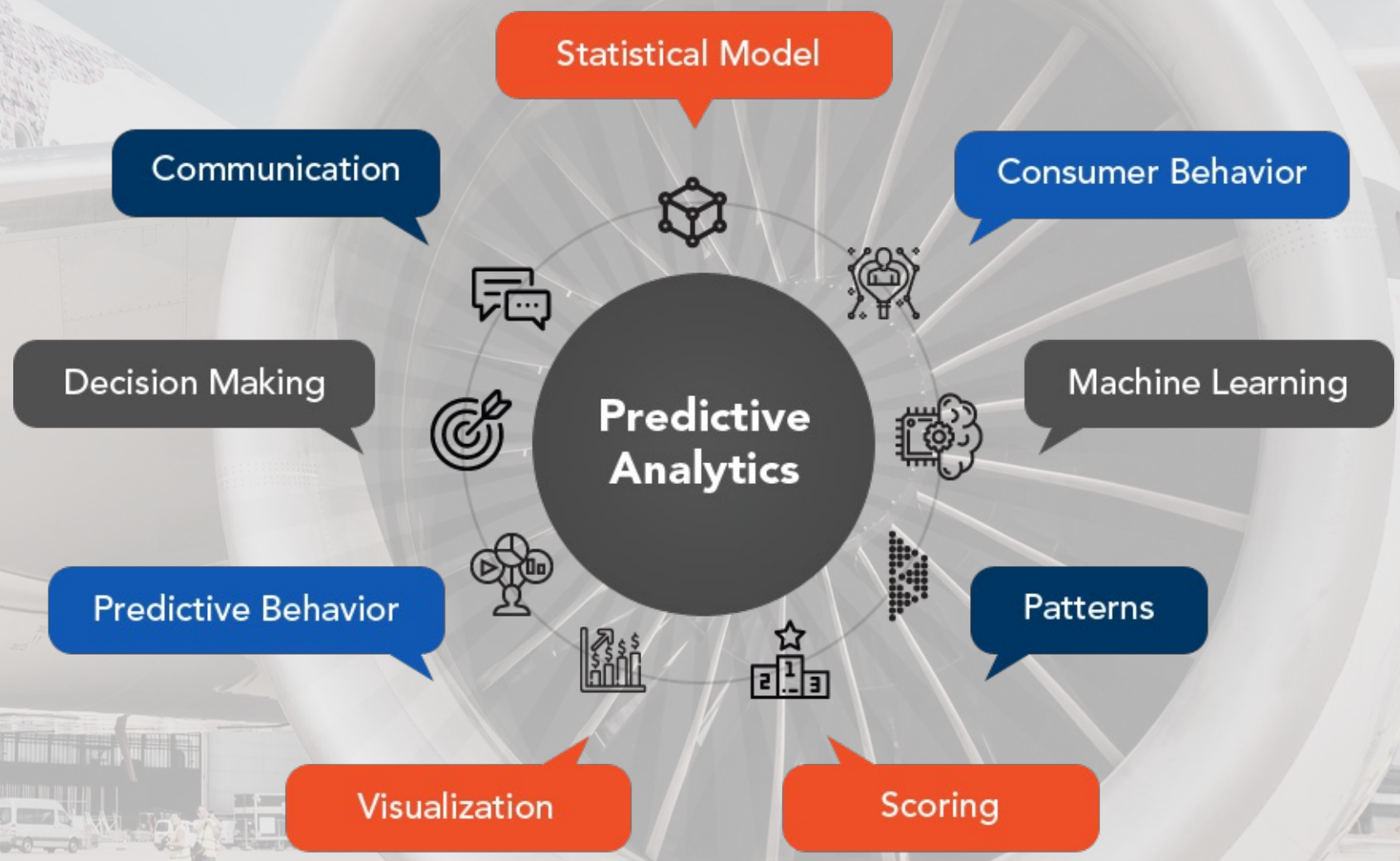
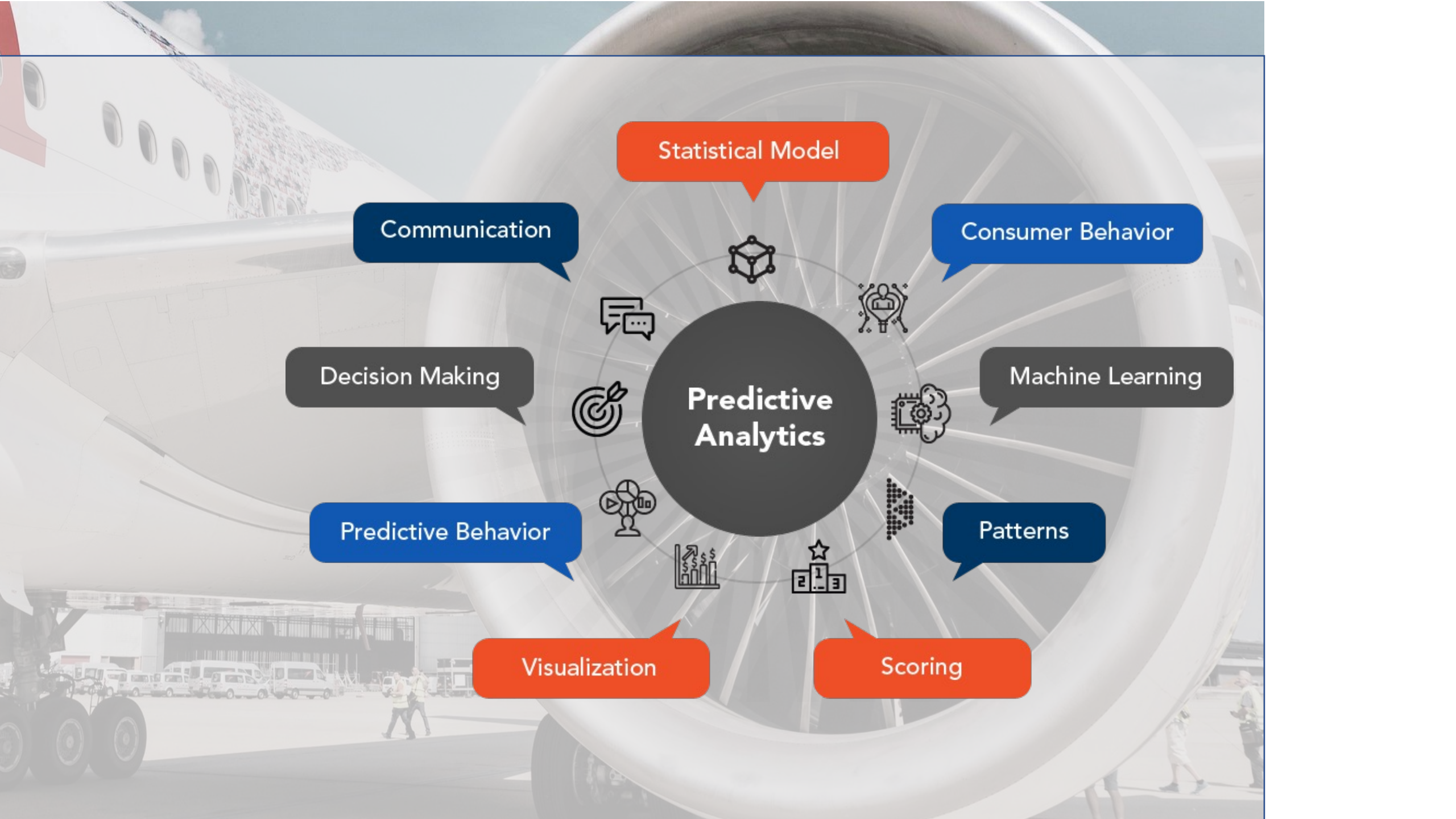
average of  
six hour of  
cross-country  
flight

# of cross-country  
commercial flights  
from United States  
in a day

Total Data flow in a given day  
from New York

**= 12,327,984 TB**







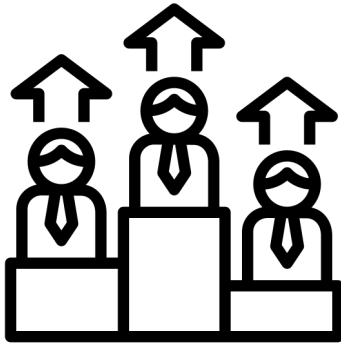
???



API's ... and Cloud

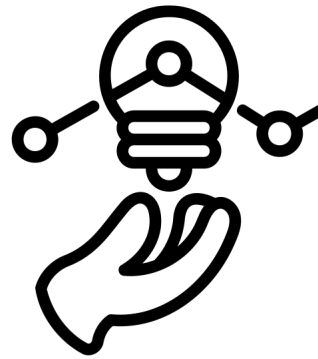
# API's





New ways of engaging  
with customers

Speed up collaboration



Foster innovation

Deliver connected  
experiences

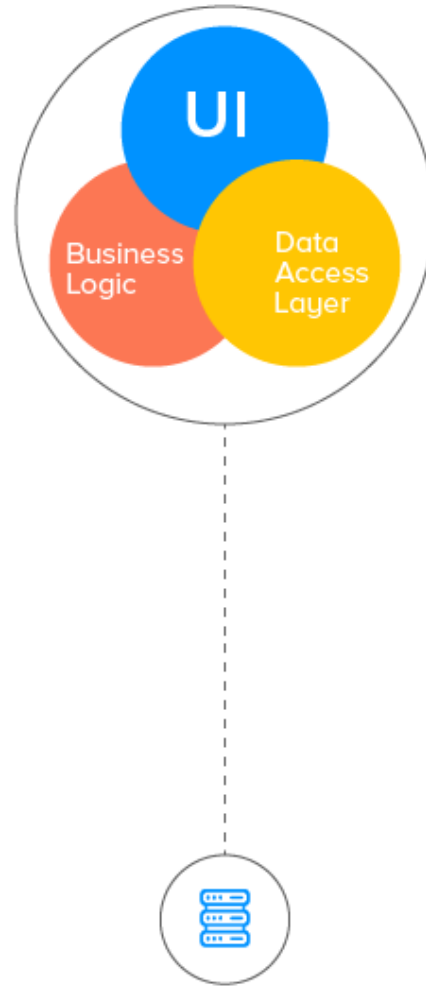


Unlock new markets

Provide value back to the  
customer

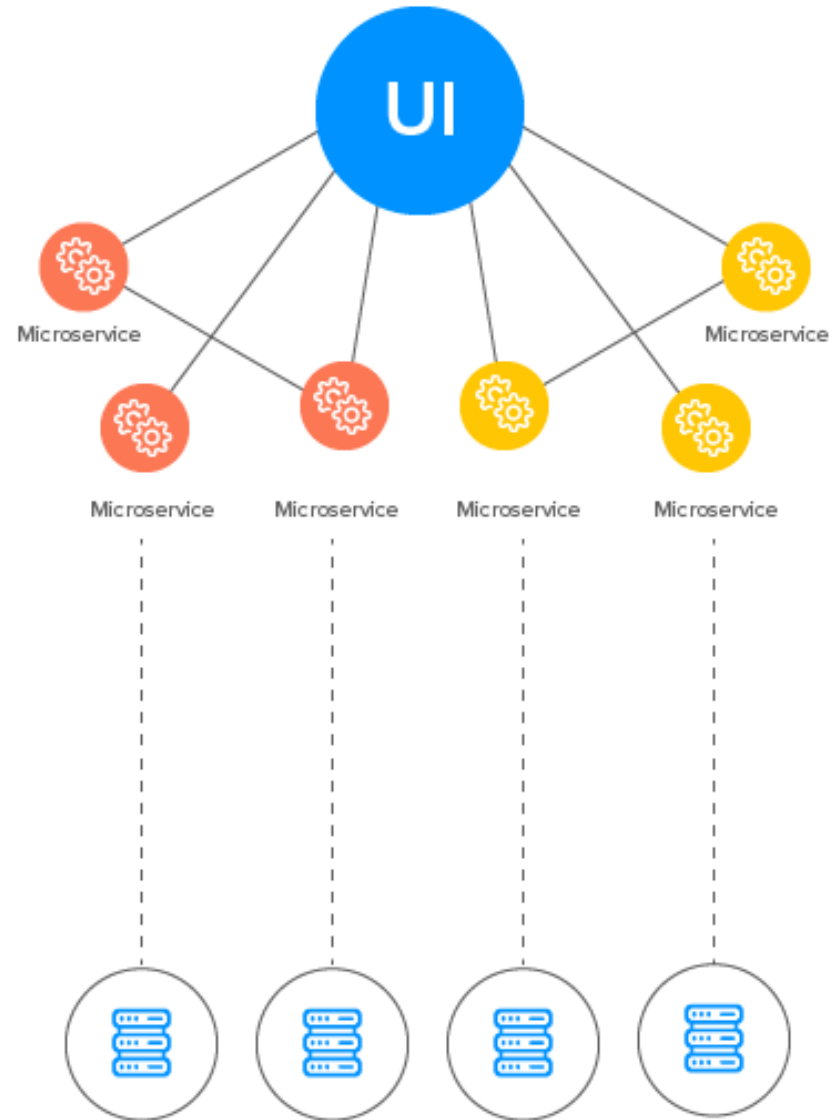
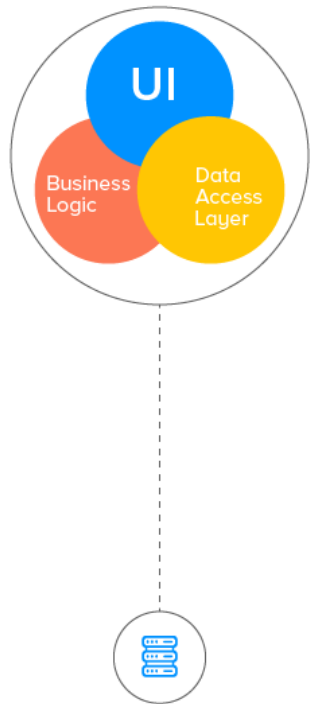


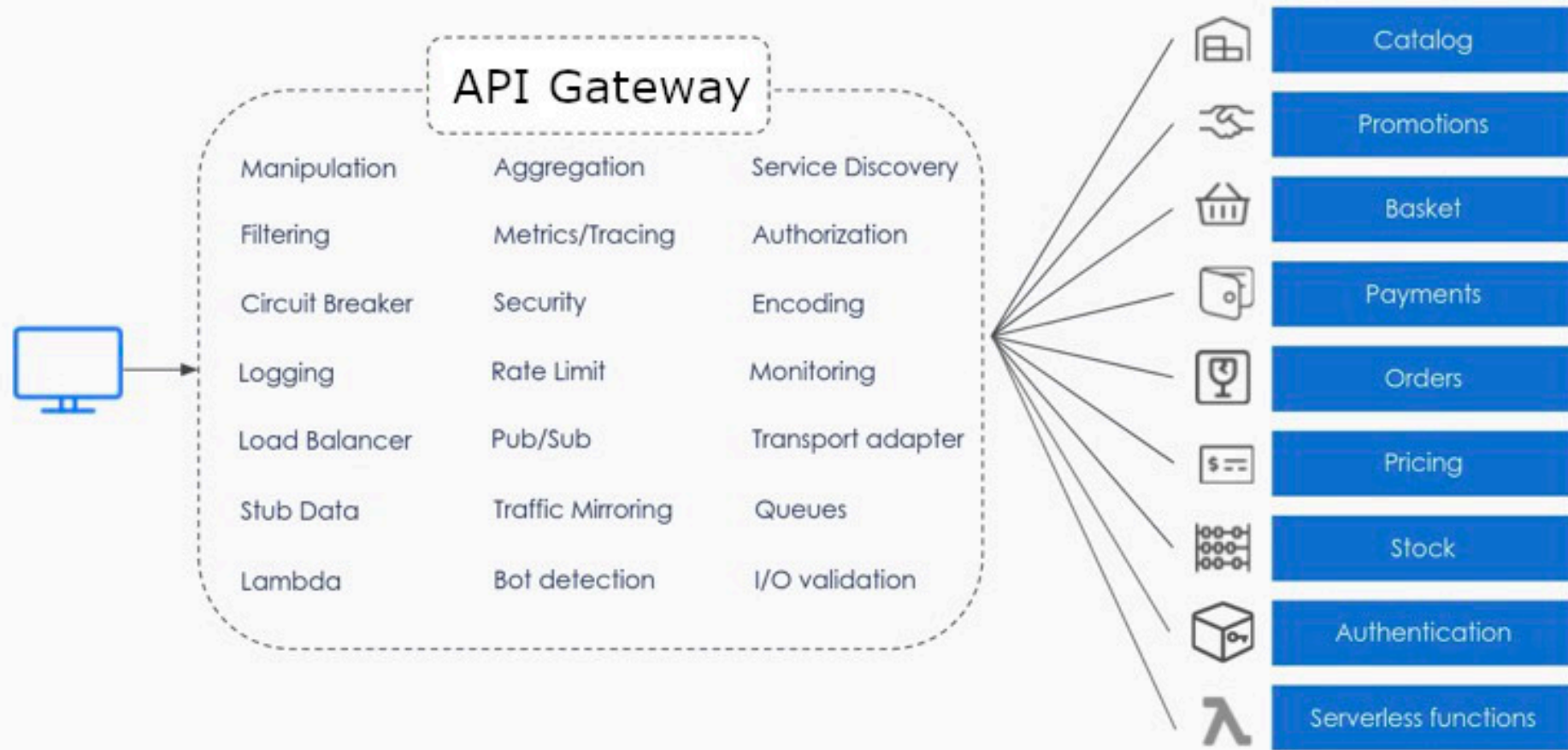
## Monolithic Architecture



## Microservice Architecture

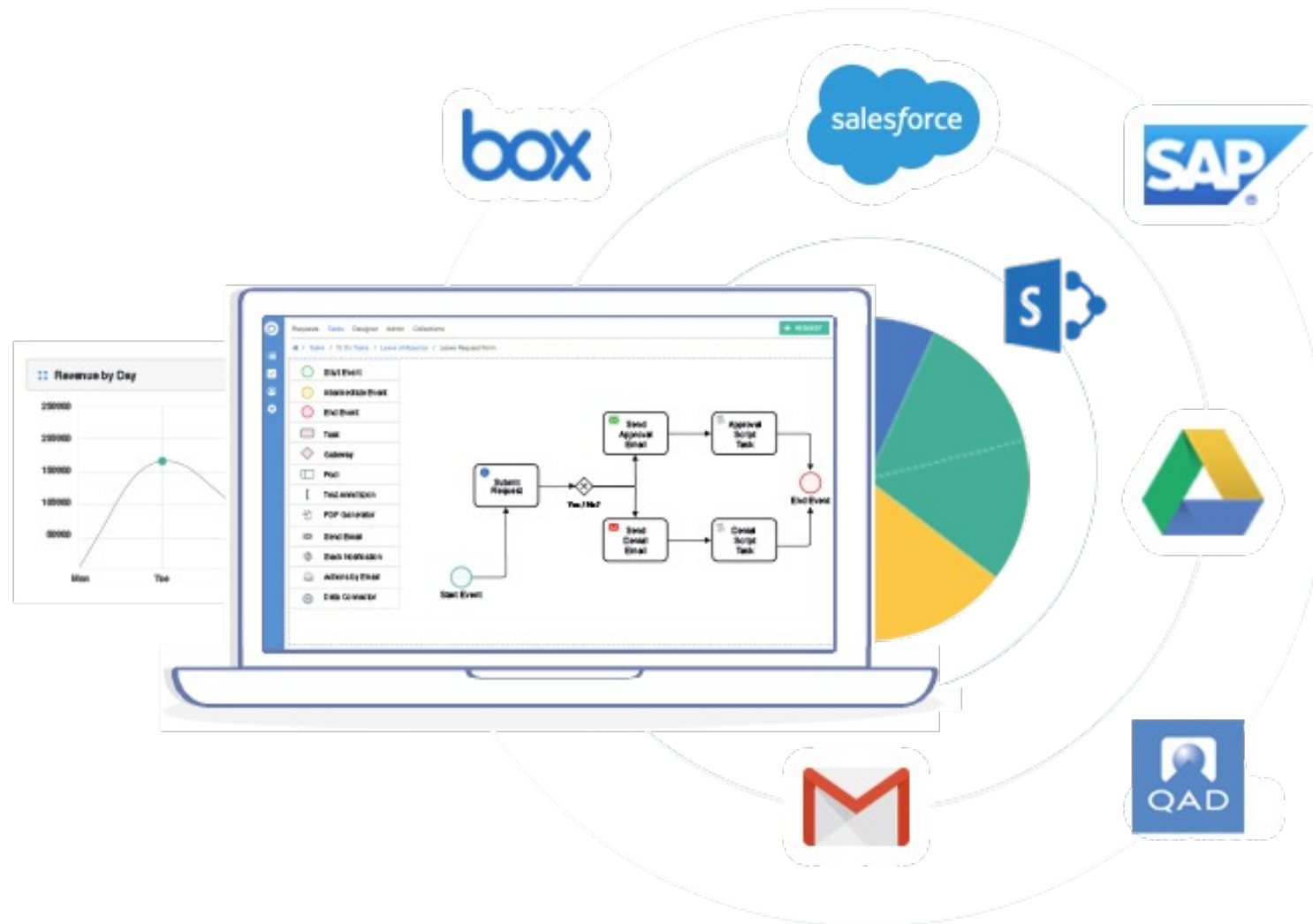
Monolithic Architecture











aws





The most important thing, the very first piece, is to figure out where your business value is. If you don't know why you have an API, it's not likely to succeed.

- Kristien Hunter, author of "Irresistible API's" -

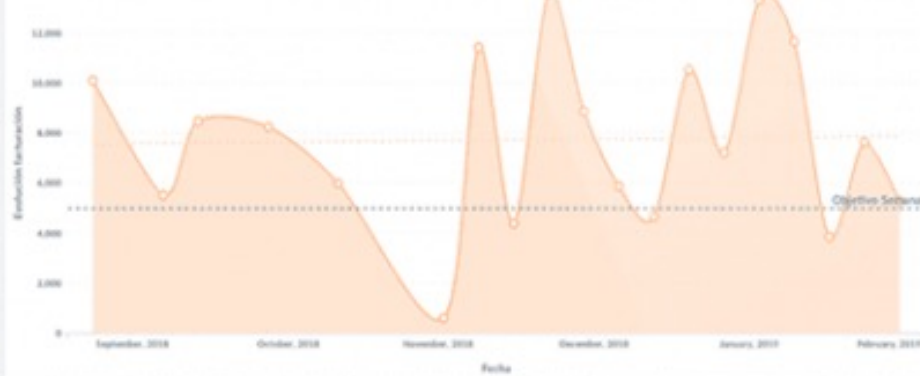
# Business Intelligence & Dashboards



Objetivo facturación últimos 30 días



Evolución facturación Semanal



Clientes con más ventas

Nombre Cliente	Importe	Moneda
PROMOCIONES SAGRENOVA S.L.	8,667.07 €	€
INSTITUT FRANÇAIS D'ESPAGNE	7,630.35 €	€
WINDWARD TRADE S.L.	5,268.61 €	€
ELABORADOS DEL SACALAD S.L.	5,520.47 €	€
SETESA BEN 2004 S.L.	4,479.04 €	€

Rows 1-5 of 10





Search...

+ Ask a question



## Sum of Total

Sample Dataset Orders

Save

Filter

+ Summarize



1,510,621.68

### Summarize by

Sum of Total



+ Add a metric

### Group by

Find...

#### ORDER

ID

User ID

Product ID

Subtotal

Tax

Total

Discount

Created At

Quantity

#### USER

Done

Visualization

Settings



# Microservice Architecture



**Thank you**