Module 01

# Introduction to Customer Insights

# 1: Introduction to Dynamics 365 Customer Insights

- 2.1 The Problem with Customer Data
- 2.2 Solving the Problem with Customer Insights

### 1.1 The Problem with Customer Data

Businesses do not know who their customers are

Businesses can't have a unified conversation with their customers

# Customer expectations are growing...

# ... but today's experiences are falling short



of consumers are more likely to shop with brands who recognize, remember, and provide relevant offers and recommendations. <sup>1</sup>



of buyers want brands to get to know them and understand when to approach them and when not to. <sup>2</sup>



of customers are frustrated by inconsistent experiences across channels. <sup>1</sup>



of customers are frustrated by the irrelevant content they are exposed to on websites. Up to 40% of them will leave. <sup>2</sup>



of customers stopped doing business with at least one company last year because of poor customer experience. <sup>3</sup>

<sup>1</sup> Accenture

<sup>2</sup> Accenture

<sup>1</sup> McKinsey

<sup>2</sup> Accenture

<sup>3</sup> Accenture

# Managing customer data – not a new challenge, but increasingly more difficult

#### Disconnected customer data



Of organizations claim a high degree of making the most of available customer data

### Inability to unify data



Of organizations stated the top obstacle to using customer data is the inability to unify it

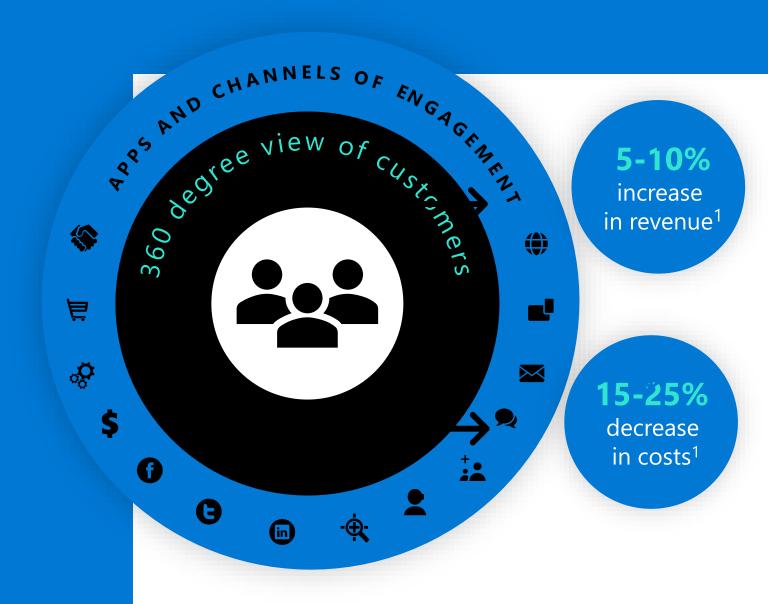
#### Lack means to extract data



Of respondents cited inability to extract data from source systems as a key challenge

# Closing the Gap

Close the gap by activating data to gain insights

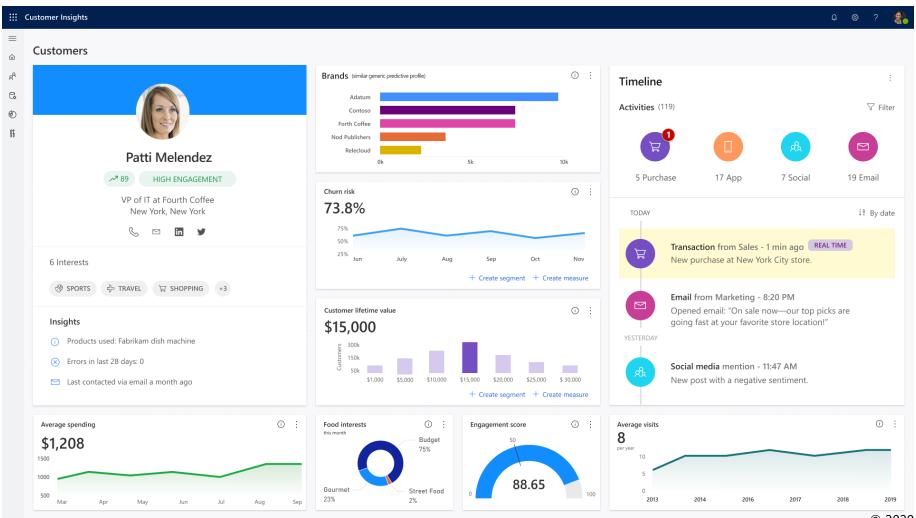


# 1.2 The Solution: Customer Insights

The Customer Insights Vision
Insights done differently

**End-to-end customer experiences** 

# Vision: Empower every organization to unify and understand its customer data to derive real-time insights that power personalized experiences and processes



Get a holistic view of customers



Dynamics 365
Customer Insights

Unlock insights and take action



Adapt and extend



Rely on a productive and trusted platform



### **Dynamics 365 Customer Insights done differently**

### Traditional customer analytics



Custom-built on analytics platform
Hard coded
Hard to adapt
Siloed apps
Time to implement measured in months
Requires deep technical expertise
Different stacks for storage, KPI calculations,

ML, app experiences

Compliance as an afterthought

**Dynamics 365 Customer Insights** 



Finished SaaS solution
Configurable
Extensible
Insights embeddable into operational CRM of choice
Time to implement measured in weeks

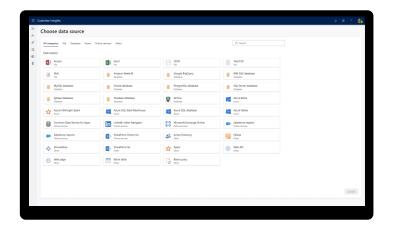
Time to implement measured in weeks
Ready to run by business users
Integrated in one finished solution based on
hyper-scale cloud platform
Compliant by design

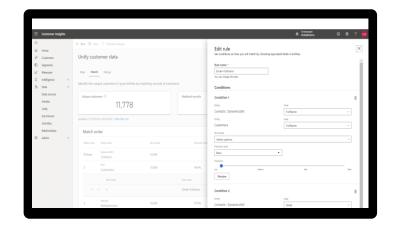
# Scenarios: end-to-end customer experiences

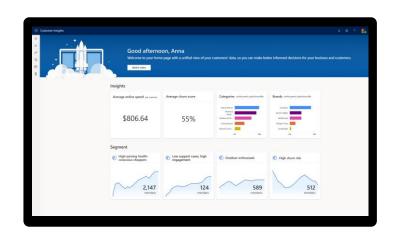


### Get a holistic view of customers















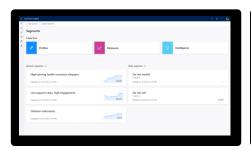
Connect your data with ease

Transform customer data intelligently

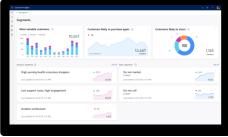
**Enrich data** 

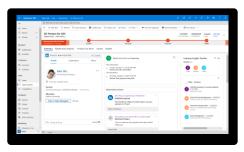
# Unlock insights and take action





















experiences

**Drive personalized** across channels

**Predict customer intent** 

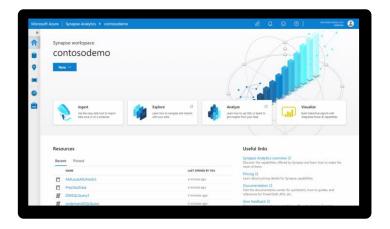
**Spot trends** and patterns

**Create richer customer segments** 

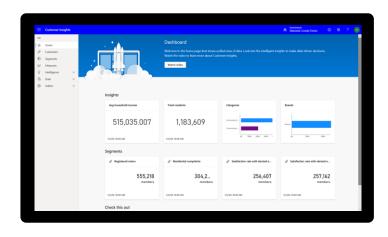
**Automate** customer-centric experiences and processes

# Adapt and extend















**Gain deeper insights** 

**Connect to custom apps** 

**Innovate and evolve** 

# Rely on productive and trusted platform















## The Microsoft customer data platform



#### Comprehensive

Unify customer data and enrich profiles with market insights and real-time product usage



#### **Personalized**

Use AI to inform business processes and outcomes across the customer journey



#### **Customizable**

Extend
capabilities
with Microsoft
Power Platform
for richer data
processing and
customization



#### **Connected**

Bring together
virtual and
physical worlds
with out-of-thebox mixed reality
apps and IoT
solutions



#### **Hyper-scalable**

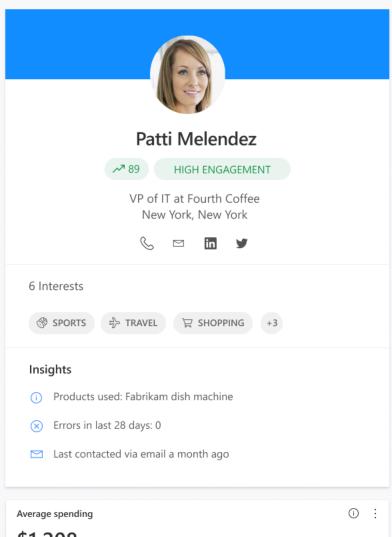
Run powerful analytics using Al and machine learning models built on Microsoft Azure  $\equiv$ 

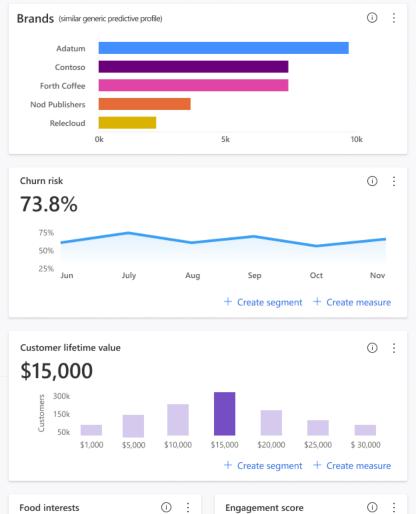
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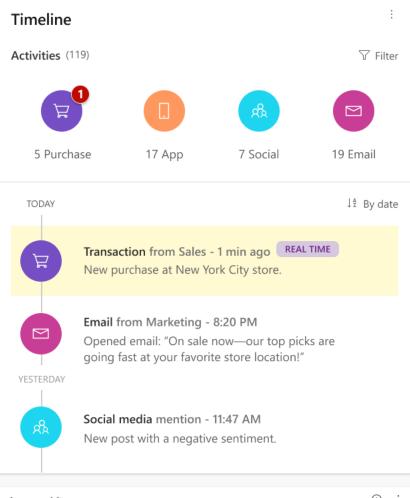
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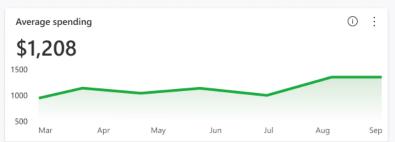
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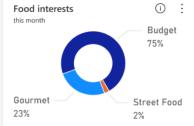
#### Customers



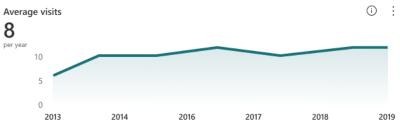




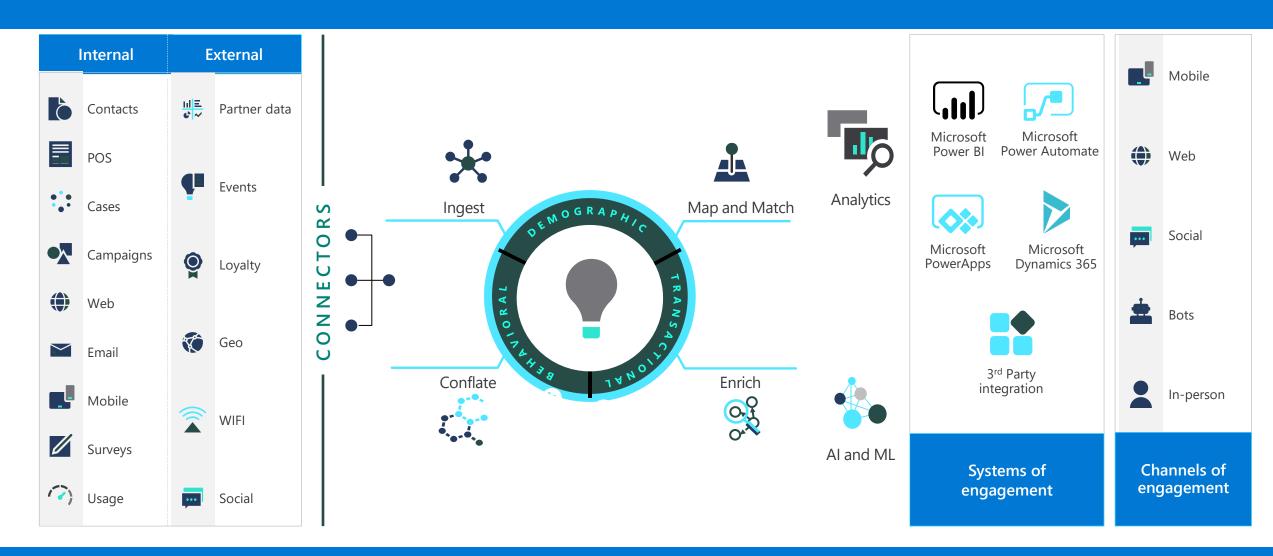








# Our approach



DATA UNIFICATION INSIGHTS ACTION

### Power end-to-end customer experiences



# Working with companies across all industries



# UNICEF saves and improves children's lives by accelerating donor engagement

"Dynamics 365 Customer Insights helps us to segment the right audiences, to focus on them, to engage them in a very relevant way, and to retain them."

**Astrid van Vonderen** Head of Fundraising



"With Dynamics 365 Customer Insights, we can look back and forward to create a unique and unforgettable customer experience."

**Bernt Bisgaard Caspersen**Head of Solution Team & Architecture













# Marston's raises the bar for guest experiences

"Marston's has a long tradition of providing exceptional guest experiences. With Dynamics 365 Customer Insights, Marston's is transforming that tradition for the modern era."

#### Paul Hume

Head of Technology Development

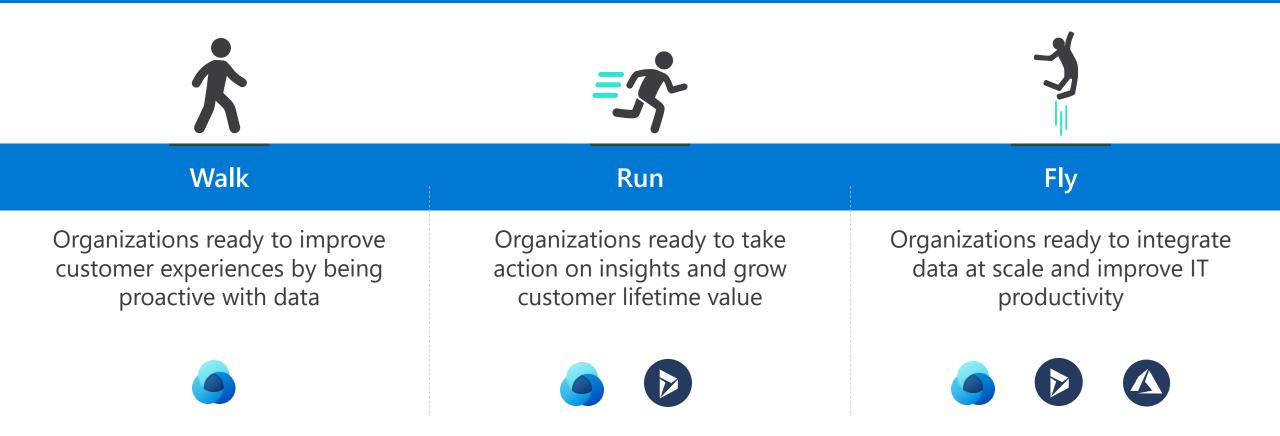
# AEP Energy lights up personalized experiences

"Customer Insights is a way for us to be able to handle all the touch points we have with customers, and it'll help us get more customers, keep the customers we have, and keep them more satisfied.."

James Peterson
COO & President of Retail Services



## Where is your customer on their data and CI journey?



No cliffs extensibility with an enterprise grade and real-time customer data platform





#### Dynamics 365 Customer Insights website:

https://dynamics.microsoft.com/en-us/ai/customer-insights



#### **Azure Synapse Analytics website:**

https://azure.microsoft.com/en-us/services/synapse-analytics/



#### **eBook: Digitally Transforming Customer Experiences:**

https://info.microsoft.com/ww-Landing-Customer-Experiences-ebook.html?Lcid=EN-US



eBook: Buyer's Guide for CDP: Selecting the right customer data platform:

https://info.microsoft.com/ww-landing-CDP-buyers-guide-eBook.html?lcid=en-us



### **Personalized Experiences with a 360-Degree View of Your Customers:**

https://info.microsoft.com/ww-landing-Personalized-Experiences-with-a-360-Degree-View-of-Your-Customers-Video.html?lcid=En-US



### Personalized Experiences with a 360-Degree View of Your Customers:

https://cloudblogs.microsoft.com/dynamics365/tag/customer-data-platform/

# Q & A

Next up: Product and Solution Architecture

# **Product and Solution Architecture**

- 2.1 Customer Insights Product Architecture
- 2.2 Customer Insights Solutions Architecture

### 2.1 Product Architecture

**Analytics Architecture** 

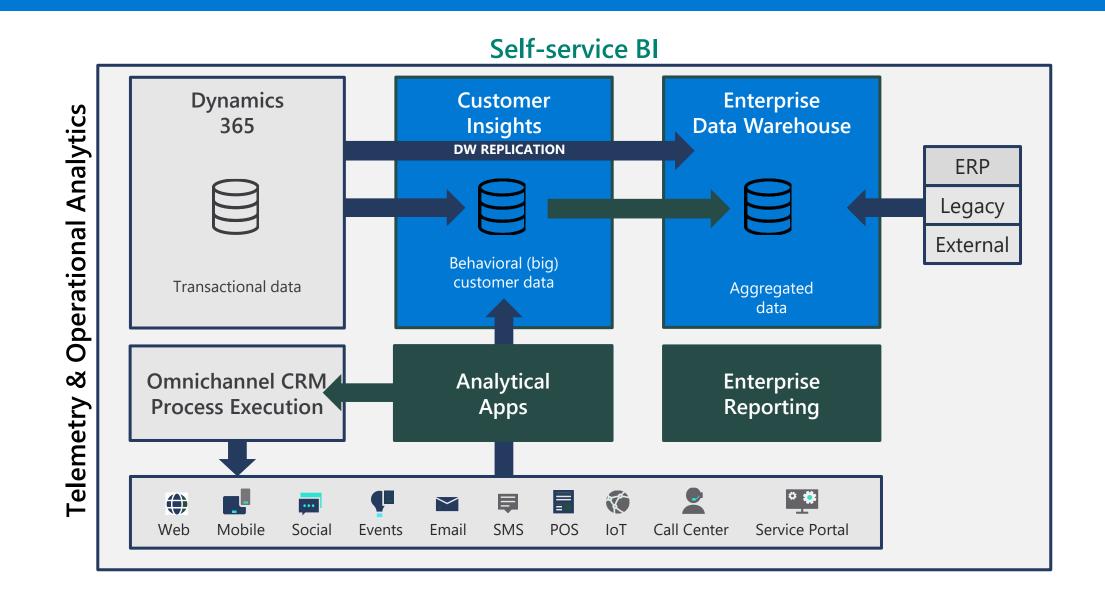
**Detailed Architecture** 

**Dynamics 365 Integration** 

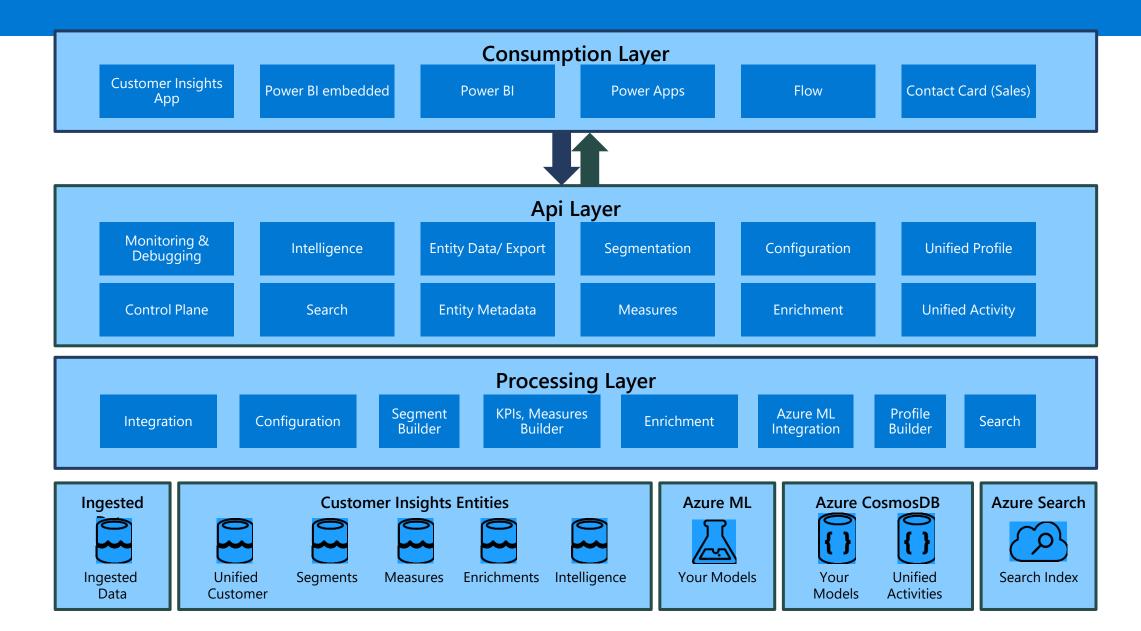
Bring Your Own Data

**CI Product Architecture** 

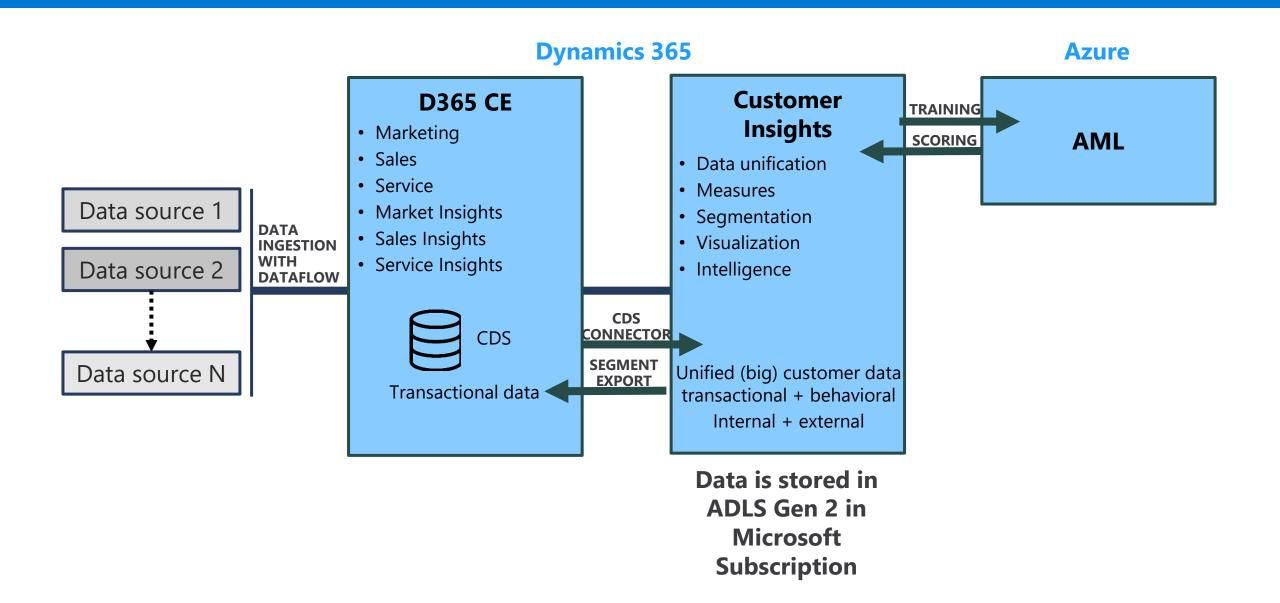
# **Evolving the Analytical landscape ...**



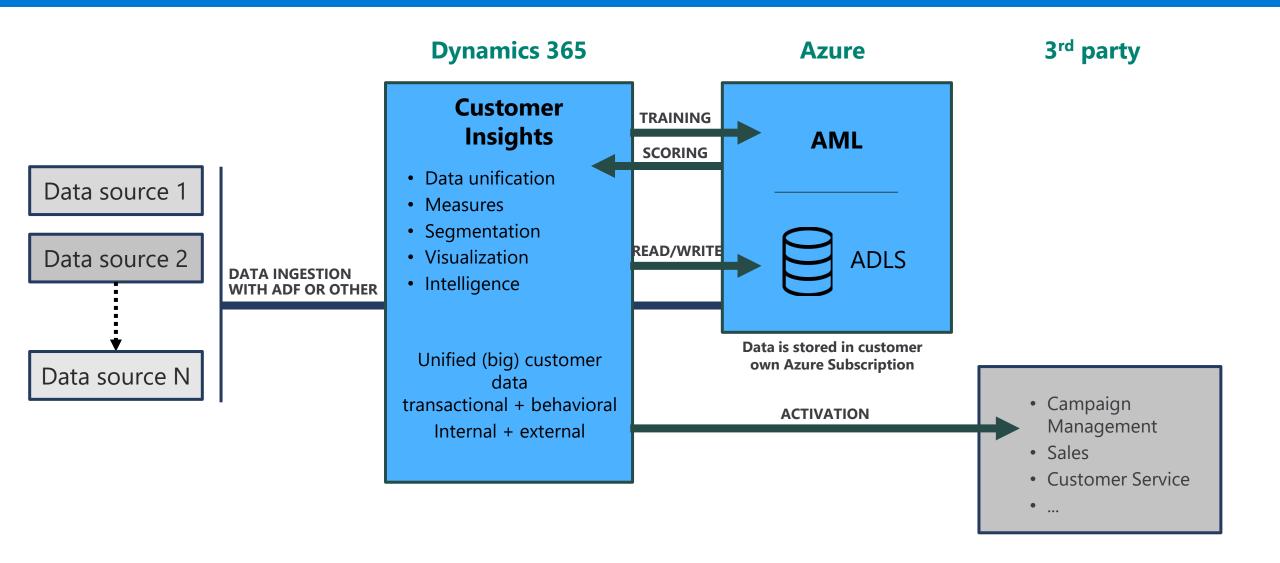
### **Detailed Architecture**



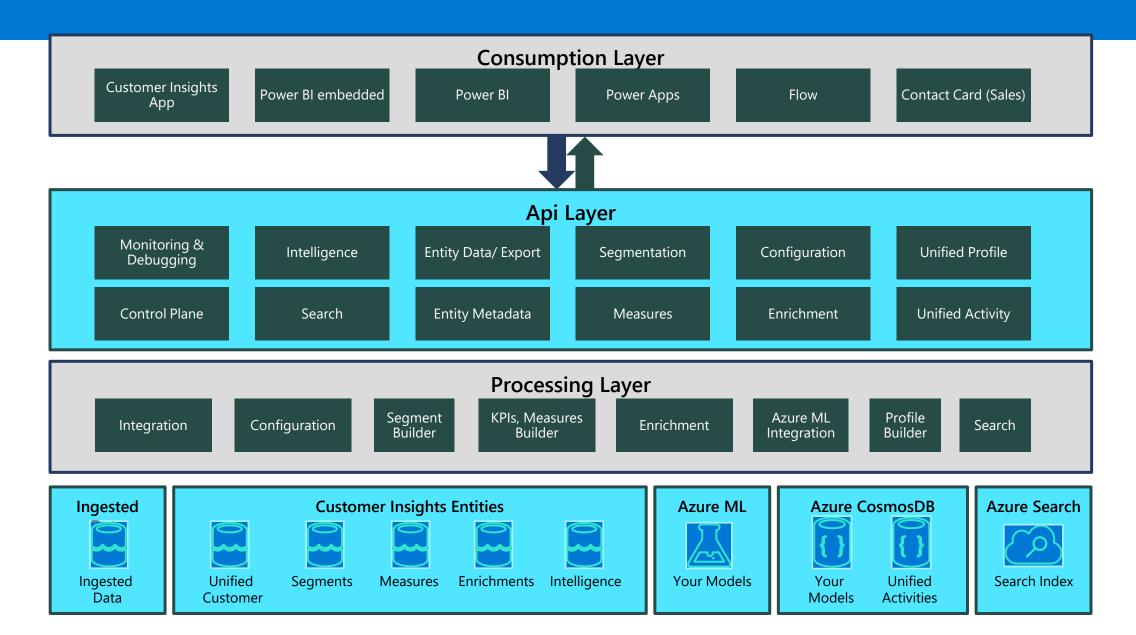
# **Dynamics 365 Integration**



# **Bring Your Own Storage Account**



### **Detailed Product Architecture**



### **Solution Architecture**

Customer Insights use case examples Key elements of a successful solution Consistent solution patterns

## **Customer Insights Use Case Examples**

Respond to changing sales

### Respond to sales declining

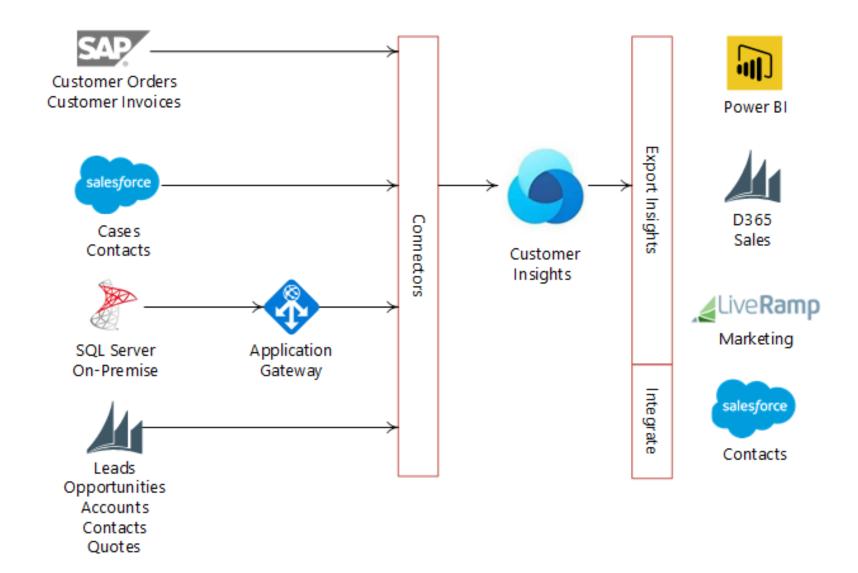
- Proactively monitor revenue, sales, account quotes
- Generate activities within Dynamics 365 if measures defined within Customer Insights decrease by X% quarter over quarter.

Support campaigns

### Execute campaigns for up-selling, renewals

- Monitor customer license expiration dates
- Notify existing customers that their licenses are coming up for renewal. Include additional related products and discounts to support potential up-sell and cross-sell opportunities. Segments defined within Customer Insights if customer renewal is within N quarter/month/week.

# **Data Flows through Customer Insights**



## **Key Elements Of A Successful Solution**

01

Align customer and partner expectations

02

Understand the customer vision, goals, KPIs, key stakeholders, support and governance models

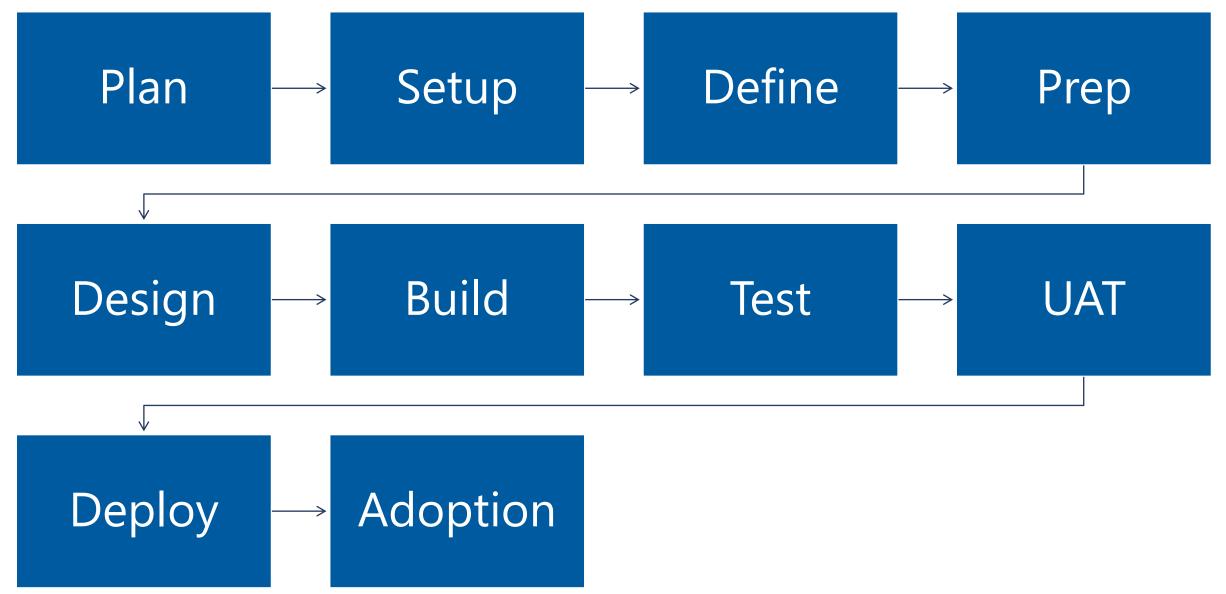
03

Staff projects appropriately

04

Employ best practices

### **Consistent Solution Patterns**



# Planning: Use Cases

Define use cases

Define Customer rules and logic

**Define KPIs** 

Define segments

Define Audience/Personas Define activation scenarios

Define export destinations

## Planning: Application Lifecycle Management

Identify Data
Storage Approach

Plan CI Environments

Document SDLC/ALM plan

Define sample, QA, and full data ingestion approach

Develop go-live release plan

## **Planning: Architecture and Security**

Define & document holistic architecture

Review encryption requirements

Identify system accounts for data sources

Identify data flow security requirements

Identify and document data privacy & compliance requirements

## **Setup: Environments**

Provision Clenvironments:

Dev, Test, UAT, Production

Grant Environment Access

#### **Define: Data Sources**

Identify Customer source systems and data access methods

Design entities

Design relationships

Document Entity Relationship Diagram (ERD) Design and document map/match/merge rules for unified profile

Define Sample & QA data criteria

## Prep

Define & document data flow

Identify data quality

Identify data cleansing strategy

Execute data cleansing strategy

Validate data cleansing

Validate sample & QA criteria (for BYODL)

Confirm rules for Map, Match, Merge (M3)

#### Design – with Build and Test, an iterative process

Design unified customer profile

Design measures

Design segments

**Design** activities

Design export destinations

Define enrichments

## Build – with Design and Test, an iterative process

#### Data

- Ingestion (Subset)
- Define entities
- Define relationships

#### Unified profile

- Configure map/match/merge rules
- (Optional) Apply self-conflation
- Execute M3

#### Activities, measures/KPIs, Segments, Outbound

- Configure activities
- Configure measures/KPIs
- Configure segments
- Configure export destinations
- Execute activities and measures/KPIs
- Execute segment creation and export

## Test – with Design and Build, an iterative process

Validate data ingestion

Validate Customer Entity successfully created

Validate M3 rules

Validate activities and measures

Validate segment(s) export

Validate export destinations

## **User Acceptance Testing (UAT)**

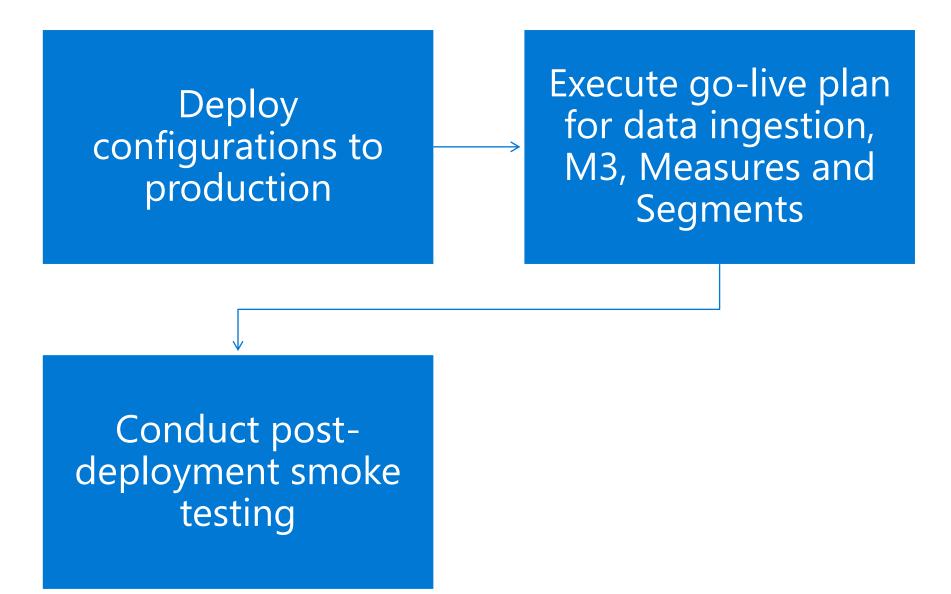
#### **Execute**

- Run ingestion, M3, Measures, and Segments for Full Data Load
- Execute user acceptance testing critiera

#### Remediate

- Implement remediations
- Deploy remediations
- Validate remediations

## **Deploy**



## **Post-Go-Live Care and Adoption**

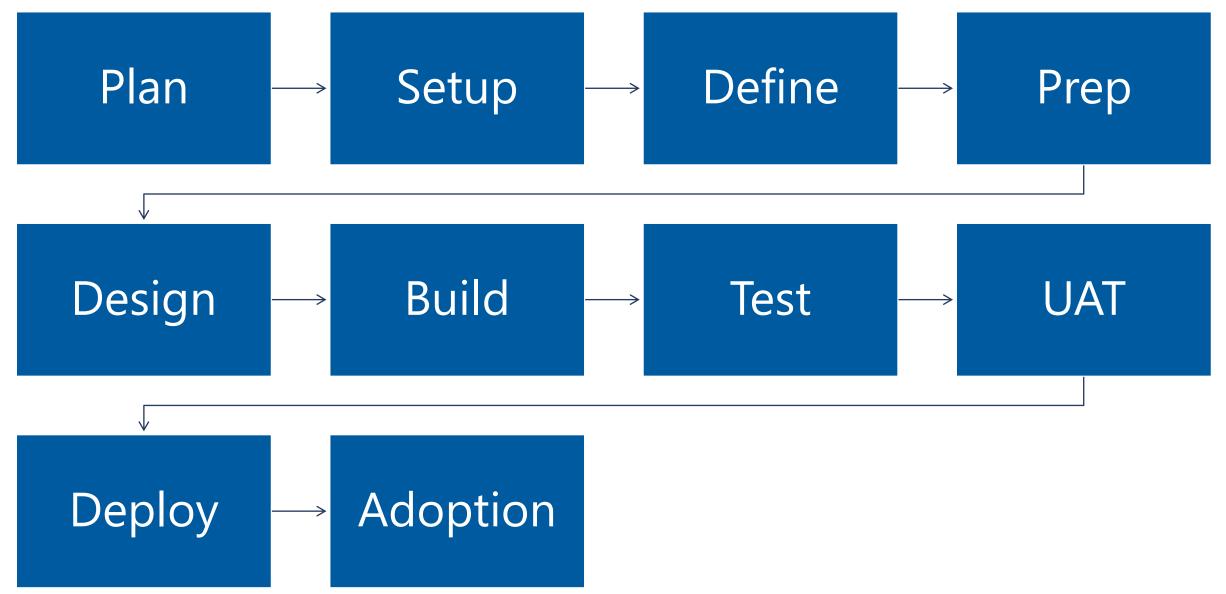
#### **Support & Knowledge Transfer**

- Post production go-live support
- IT hand off
- Business sponsorship
- Train the trainer

# **Business Adoption and Validation**

- Validate Use Cases Success
- Train business champions
- Evaluate ROI using Segments
- Ongoing: CI Effectiveness and Feedback loop

#### **Consistent Solution Patterns**



#### Q&A

Next up:

Module 2: Data Ingestion, Unification, Relationships & Measures