

**SAP**insider



#### In This Session

- Discuss Microsoft's strategy and approach to getting greater value from its SAP S/4HANA data (and a little bit of ECC <sup>(2)</sup>) by utilizing the latest data and AI technologies.
- Talk about how you can leverage the same approaches in your environments.

#### **Agenda**

- The "Why" of Financial Transformation
- Microsoft's Journey
- Key Capabilities to Unlock Value
- How You Can Get Started
- Wrap-Up



### Financial Transformation

The Why



#### **Current Challenges**



#### Situation:

The digital era emphasizes the importance of data as a primary asset, and with the backdrop of digital transformation and Aldriven innovations, the need for reliable data becomes crucial



#### Complication:

For large enterprises, this vital data source is found in ERP systems like SAP's S/4 HANA. Despite its importance and impact, SAP ERP data can be difficult integrate with non-SAP solutions in a diverse system landscape



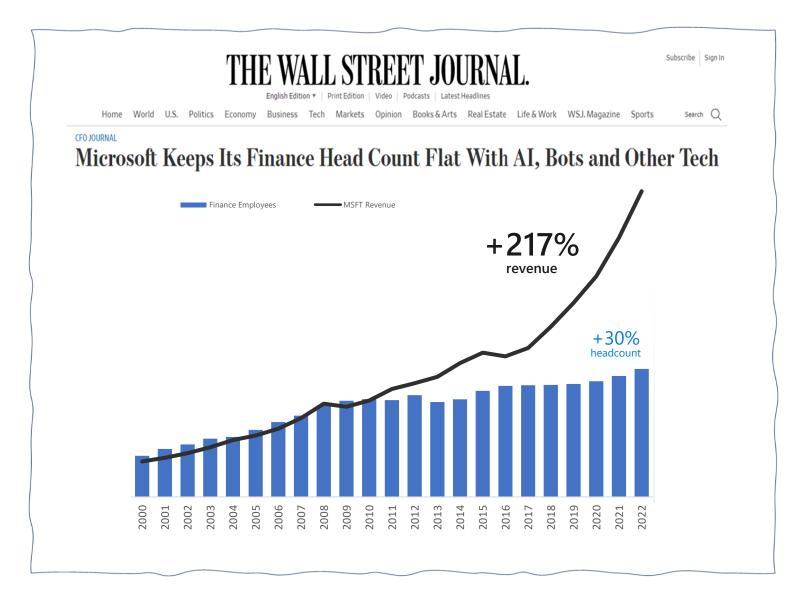
Solution:

Advanced, end-user consumable technologies (including out-of-box integration with SAP S/4Hana systems), providing business relevant insights, advanced ML and business user consumable AI

#### **Microsoft Approach**

#### The Al Era of Modern Finance

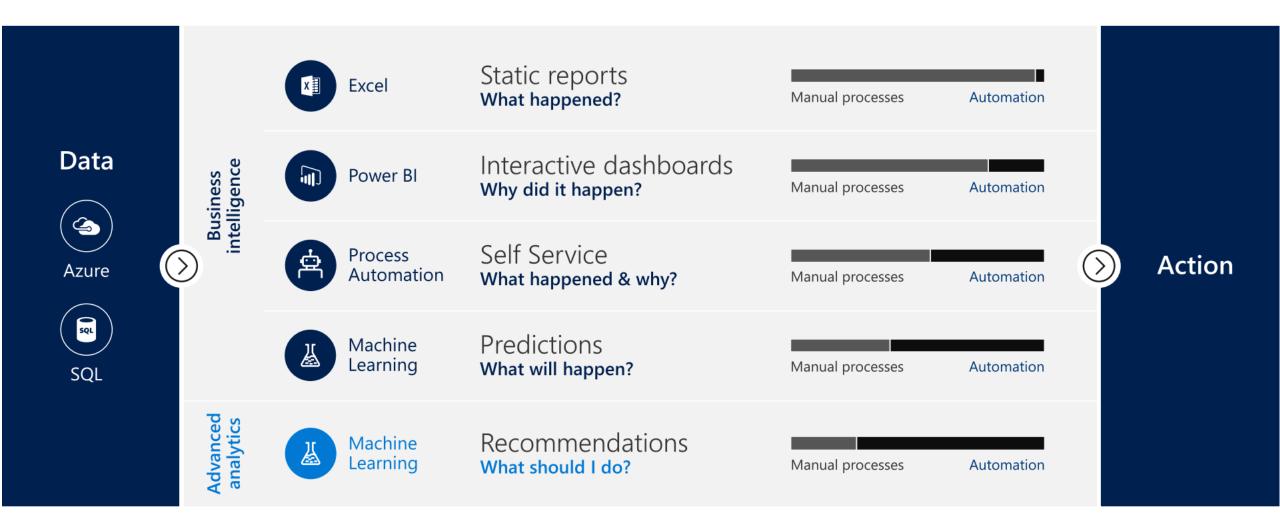
• The "Why": decouple cost from growth and increase impact





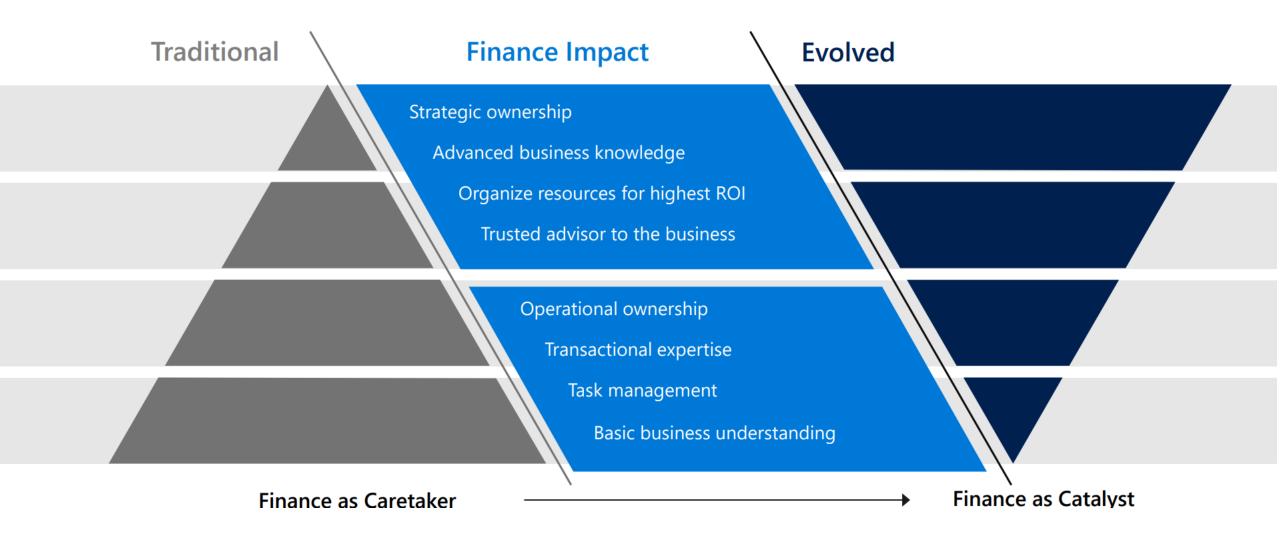
"By adopting innovative technologies, finance will strengthen its business leadership through compliance, accuracy, and efficiency."

#### **Technology Shortens Time to Value**



Value

# Finance Leaders are repositioning to be a catalyst for business transformation and value creation



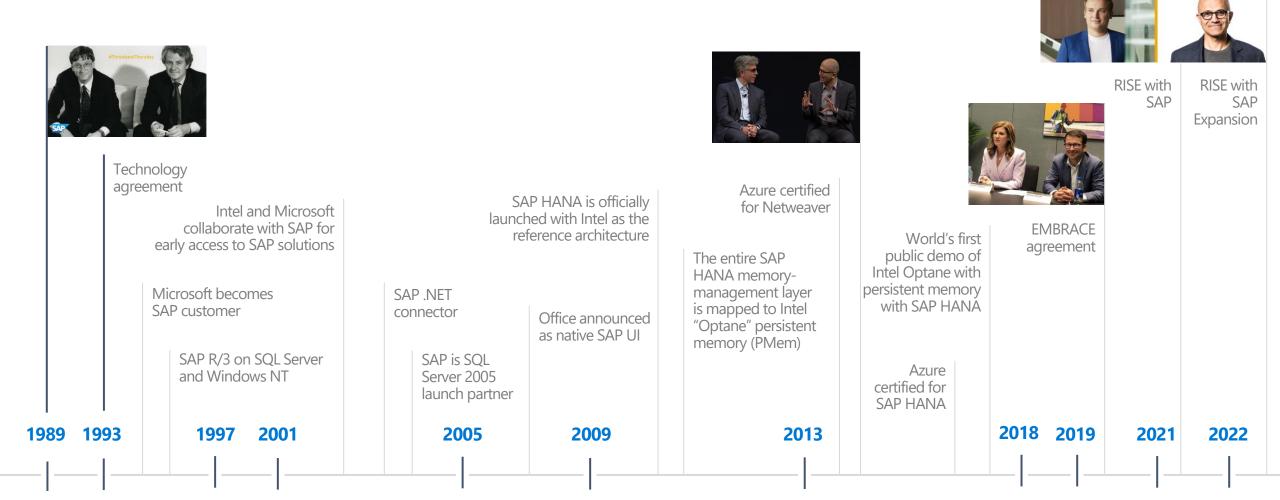
#### The 4 Pillars of Microsoft Finance's Digital Transformation



# Microsoft's Journey



# 25+ years of partnership innovating with SAP for our customers



#### GRC BI/BPC 8.1 BODS = MS Corp - ECC BI SAP Landscape Governance, Risk and Compliance Business Intelligence **Business Objects Data Services** = MS Corp - S/4 = MS Federal - S/4 Business Planning & BODS AC **BPC** Consolidation = SAP SaaS Services SMG OERDSC 9.2 **EMS ERP** ECC 6.0 EhP8 STT FI: Finance, Controlling, Accounting, Enterprise Controlling, Treasury, Project Global Trade Services: Compliance **Object Event Entitlement Management** Solution Manager: Custom Systems, Fin Services, Real Estate, Corp Fl, InHouse Cash, Rev Acc & Reporting Management, Customs Repository: Secure Development Management Cockpit Track and Trace, Management Maintenance Optimizer, SAP AIN FΙ CO EC $\mathsf{TR}$ Auto-Infrastruct. ID Support Services PS FIN RE **CFM** IHC OER EhP2 Ariba MAI CDM **Object Event** Ariba Business Network Human Capital Mant: Personnel Administration, Benefits, TREX: Sanction Party Ariba Direct Sourcing RAR Repository: Secure List Screening Org Mgnt, Talent Mgnt, Personnel Time Management, Payroll Track and Trace, **TREX** AIN SER Auto-Infrastruct. ID $\mathsf{TM}$ PA BN SCM 7.0 EhP2 BRIM CI/RMCA MDG ECC 6.0 EhP7 Supply Chain Management: Sales and Distribution, PY Materials Management, Logistics, Logistics Execution Master Data Gov: Integrated Business Planning Supply Chain Management: ECC 6.0 EhP8 Professional Services: Commercial Project Management **Business Partners** Demand Planning, Event Management, Supply Network Convergent Invoicing: Receivables Pricing BP CPM SD MM Materials Planning, Global ATP Check Mgmt, Contract Accounting RM CC S/4 2020 FPS02 4.0 SuccessFactors BL DP EM Conv. Charging: **Employee Self Service** Master Data Governance, HR, Business Integrity Screening, Commercial IS: Telecommunications **Direct Billing** Project Management, Dassian Learning Rating RT Succession Planning BIS HR CPM SNP gATP IS-T dassian MDG S/4 Central Finance S/4 MDG & BIS BW/4 BW/4 BPC Concur BW BPC Master Data Governance Fin Srvcs: New GL, Accounts Pay/Receivable, Cost Acctng, Margin Analysis, Business Planning & Expense Management **Business Data** Group Rprts, Cash & Bank Acct Mgmt, InterCompany Match/Recon and more **Business Integrity Screening** Consolidation [Travel as stand-alone] AR/AP CM/BAM ICMR BIS GR MDG

Tidal Enterprise Scheduler

**BSI Tax Factory** 

Vertex Sales Tax

RealTech

SAP CRM

OpenText

SAP PI/XI NW 7.3 Process

Integration

Others

DUET Enterprise 2.0

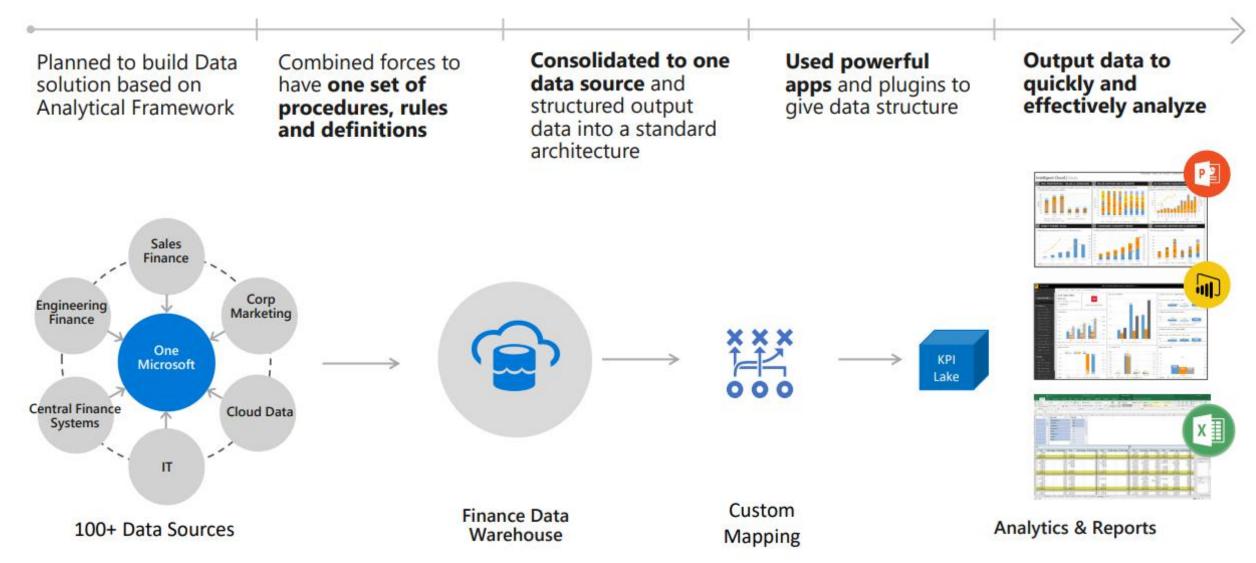
Adobe Document Services

Virtual Forge

Greenlight/AVM

#### Pillar 1: Our data platform transformation for Analysis & Reporting

From manual, static, inconsistent to automate, dynamic, and centralized



#### Pillar 2: Utilize Machine Learning to Transform Forecasting

Goals	Challenge's pre-ML	ML opportunity
Accuracy	Conscious & unconscious bias Layers of management judgment	No human bias No management judgment
-	Undesirable error rate	Highly accurate statistical model
Time-to-market	3 weeks to produce a forecast	30 minutes to produce a forecast
Time-to-market	Unable to react to market changes	CFO can react to market changes
Efficiency	Hundreds of analysts forecasting  Data & tool issues	Analysts can work on higher ROI projects No data & tool issues

#### Using ML to transform financial forecasting

#### From:

Local & product forecasts



Management reviews



Global & executive reviews



100+ analysts build Excel forecast models 2 weeks prior to quarter end



Over 1-2 weeks, product and sales leads use their expertise to judge up/down the forecasts



CFO and HQ finance teams push product and sales teams to land balanced, closest-to-the-pin forecasts







#### Al in Enterprise Functions

### **Applied AI examples from Microsoft**

Finance process	Al integration	Efficiency
Record to report  Scaling commercial contract reviews	Reads 10K contracts and provides risk scoring to tag 30% that require an assessment by a technical accountant and to zero in on flagged terms	150% less time reviewing standard contracts
Order to cash  Augmenting collection prioritization	Identifies accounts receivable customers deemed high risk of delinquency then generates a prioritized workflow list to speed up cash collection calls	<b>110%</b> collection efficiency
Tax & treasury  FX cash collection forecast	Centralizes FX cash collection forecast, frees up time for subsidiary to prepare and submit forecast, improves forecast accuracy by 6% and reduces FX impact on other income by 25%.	FX impact on other income
Planning & analysis Forecasting with machine learning	User-friendly tool that applies 25+ models to thousands of time series in parallel, automatically handling feature engineering, back testing and model selection to deliver results in minutes	150% less time on forecasting
Procure to pay Streamlining invoice approvals	Assigns real time risk scores in order to automate more than 1M low-risk invoices and cutting manual effort for the rest by 50%	<b>↓ 125K</b> hours saved per year
Risk management & compliance Journal entry anomaly detection	Machine learning algorithms built to review thousands of journal entries to detect anomalies in order to reduce financial reporting risks of fraud or misstatements	<b>↓ 15%</b> time savings



How AI Copilots may assist in the future:

# Journal entry anomaly detection

- Identify anomalies in journal entries
- Recommend if existing documentation supports the journal entry
- Validate journal entry approvers

Based on historical data, are there any journal entries which have been booked to infrequent General Ledger accounts?

Yes, 20 material journal entries were booked to a seldom-used property account this quarter.

Out of the 20 journal entries, which one is the most material entry?

The most material dollar value entry was \$54,000,750.

Does the documentation support this entry?

The attached excel spreadsheet does not support the entry created, I could not reconcile the support to the \$54,000,750 amount in any of the cells.

Was the journal entry approved by a full-time employee?

No, the entry was approved by someone with vendor credentials.

#### Pillar 3: Digitizing Risk Management

Analyze and flag risks Review flagged deals Escalate review Ingest and integrate Initiate review Train risk model SME contribution **Score deals** Finance review Flag outliers for review **Compliance Conclusions** 

#### Defining and identifying a high-risk deal

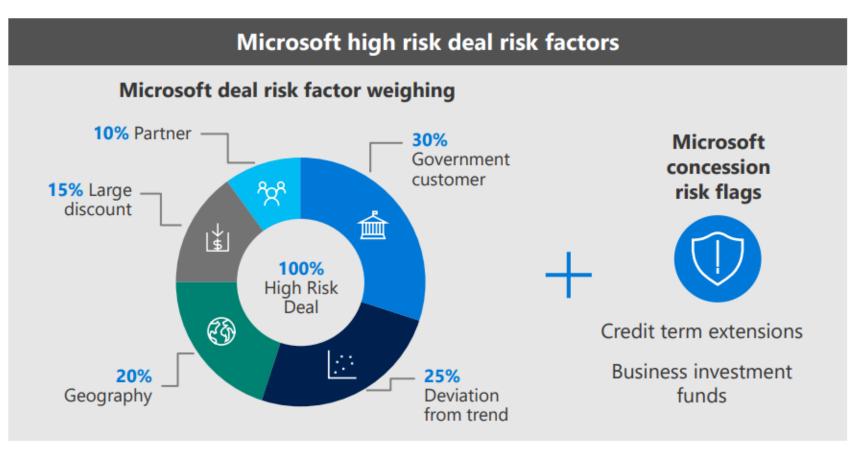
<u>Core concept</u>: a single risk factor may not itself be significant to identify high risk transactions. Yet, a deal **having 'signals' from multiple risk factors** can produce unique insights **compared to evaluating each factor on its own**.

#### Sample risk potentials

- Geography
- Government customer
- Discounts
- Trend of deal size
- Partner

#### **Concession risk flags**

- Credit term extensions
- Business investment funds



#### **Pillar 4: Business Process Automation**



## Key Capabilities to Unlock Value



#### **MSFT Data and AI Solutions**



#### have become a key Value Driver and Differentiator for our customers



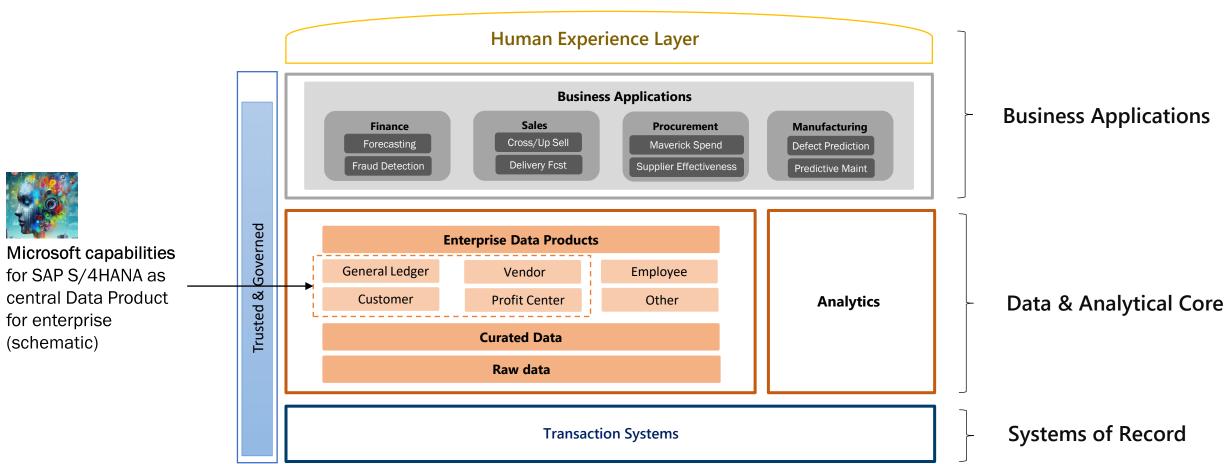
- Microsoft Al solutions and advanced analytics is a value multiplier for customers' SAP investments
- Moving SAP workloads onto Microsoft Azure unlocks the transformation potential through providing access to Microsoft generative AI and advanced analytics
- Becomes the **foundation** for this next generation Innovation

#### **Enterprise Reference Architecture**



#### **Big Picture**

Data assets, when rooted deeply within an enterprise's framework, provide the foundation for consistent, scalable, and reliable analytics and Al.



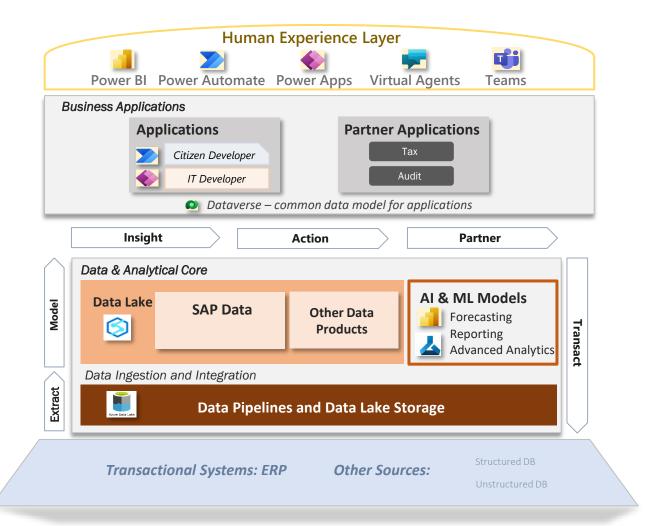
#### **Microsoft Data Solutions**



#### **Enabling enterprise analytics**

#### Capabilities for SAP S/4 Hana offers:

- ✓ Consistent, governed visibility to data lineage and flows
- ✓ Deployable data models in the Azure data lake for SAP subjects
- ✓ PowerBI dashboards and reports for SAP use cases
- ✓ Data mapping and transformation for requited SAP data flows



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# Demo

How You Can Get Started



#### Microsoft Fabric

















Data Integration Data Lake Spark Engines

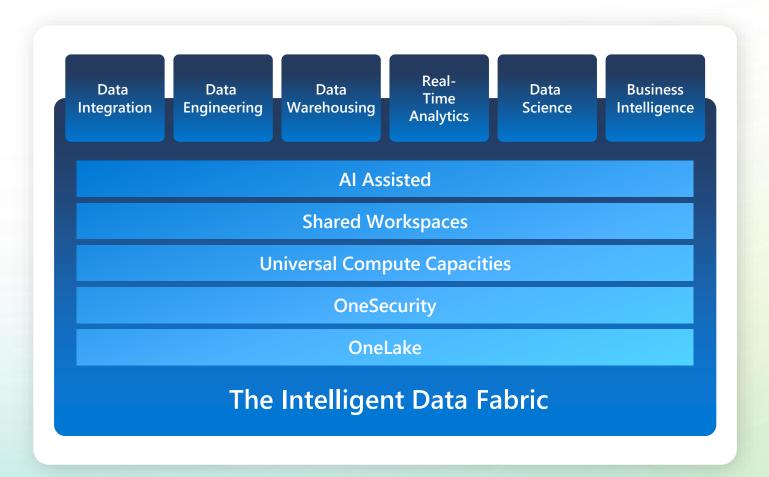
Data Warehouse Real Time Analytics Data Science Business Intelligence

Governance

## Unified analytics fabric

End-to-end analytics data fabric From the data lake to the business user

#### Microsoft Fabric



#### Single...

Onboarding and trials

Sign-on

Navigation model

UX model

Workspace organization

Collaboration experience

Data Lake

Storage format

Data copy for all engines

Security model

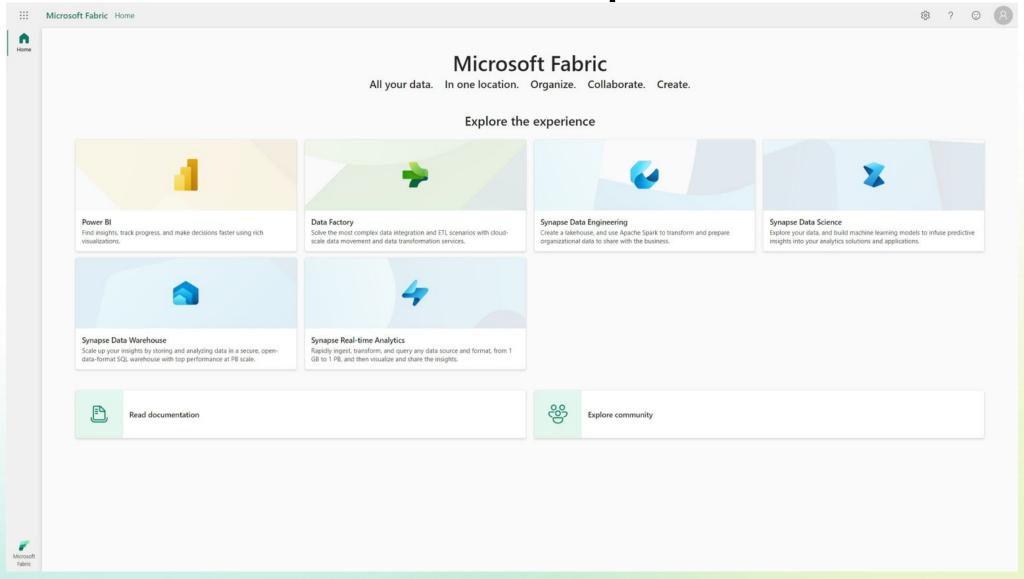
CI/CD

Monitoring hub

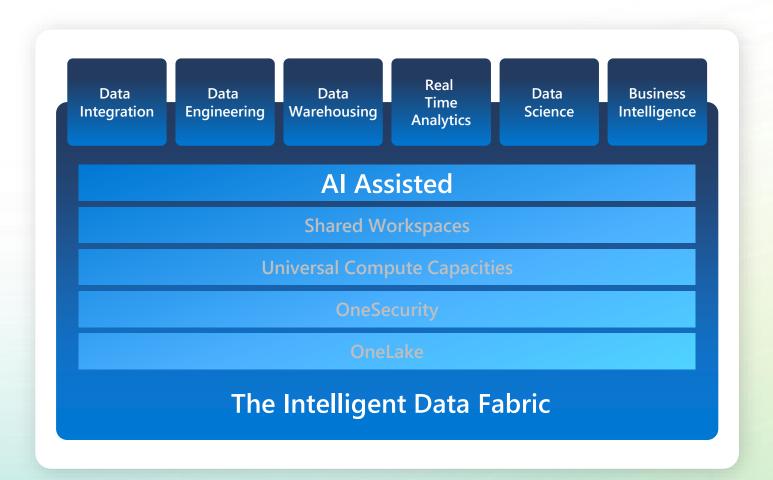
Data Hub

Governance & compliance

### Persona Centric Experiences



#### Al Assisted Creation in Microsoft Fabric



The Fabric platform includes built in Azure Open AI based assistant that will serve all the workloads

First GPT-based feature is already shipping in Power BI - NL2DAX – DAX calculation creation based on natural language prompts

Ongoing major ramp-up for pervasive AOAI based product-wide AI assistance

#### **Machine Learning Roles in Finance**

#### **Finance Business Owners**

- Define business problem(s) and desired outcome(s)
- Provide requirements, model evaluations, and signoffs
- Manage change including how data will be used in decision making processes
- Identify and utilize insights to generate value and actions

#### **Data Scientists**

- · Retrieve, cleanse and map data
- Design, test and evaluate hypotheses
- Customize and tune models to discover and learn from the data
- Apply existing algorithms and models to new business problems
- Innovate to discover new algorithms &/or statistical models

#### Center of Excellence

Strategy
Operating Model
Governance
Optimization

#### **Data Analysts**

- Provide a solid understanding of Microsoft data sets for data acquisition and generating business rules
- Integrate machine learning output with traditional business intelligence and action frameworks
- Build Power BI reports and visuals

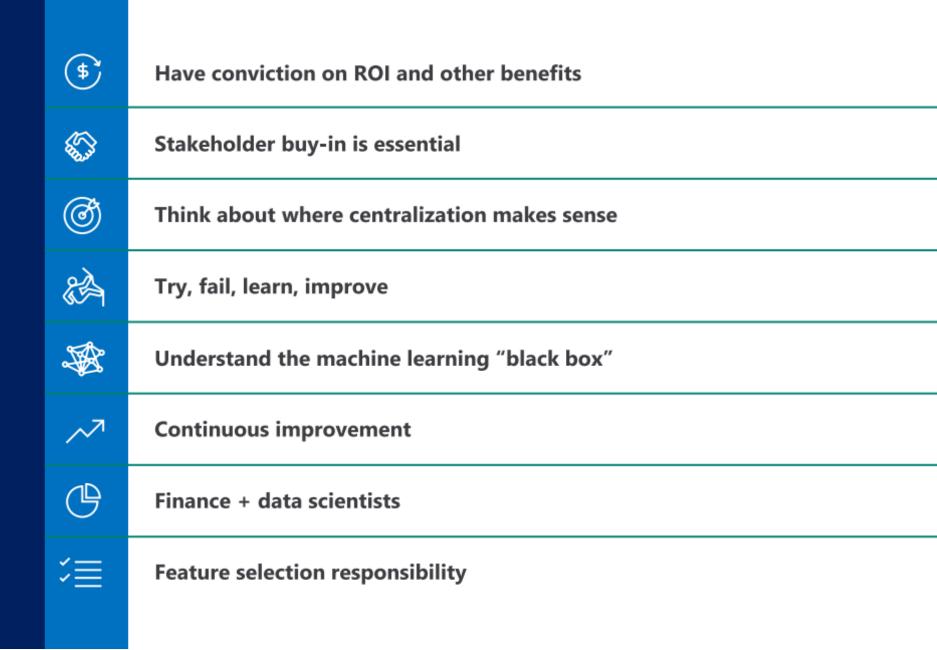
#### **Architects & Engineers**

- Deliver available, scalable, secure, and fault tolerant infrastructure
- Create and deploy solutions, platforms and end user experiences
- Stitch APIs together, automate models and integrate data



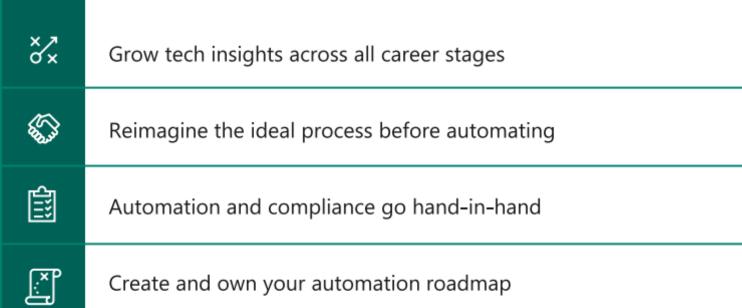
#### **FORECASTING**

# Lessons learned



#### **PROCESS AUTOMATION**

# Lessons learned



Try, fail, learn, improve



#### Wrap up

- Creating the right data foundation is essential to creating the future digital transformation you want
- Unfortunately diverse legacy landscapes combined by composable, plug-and-play architectures makes this challenging.
- You need a robust location to consolidate information, recognizing it must be flexible enough to evolve with requirements
- But TECHNOLOGY IS NOT ENOUGH you must create the people and processes to drive the business outcomes required

#### Where to Find More Information

Microsoft's Financial Transformation Journey

https://www.wsj.com/articles/microsoft-keeps-its-finance-head-count-flat-with-ai-bots-and-other-tech-11644489001

Microsoft Fabric:

https://www.microsoft.com/en-us/microsoft-fabricsider.org

PowerBI CoPilot:

https://powerbi.microsoft.com/en-us/blog/introducing-microsoft-fabric-and-copilot-in-microsoft-power-bi/

Modern Finance at Microsoft

https://www.microsoft.com/en-us/modernfinance/digitaltransformation.aspx

#### **Key Points to Take Home**

- Advanced technologies to predict & interpret your SAP data are realities today
- Microsoft Finance created significant savings and identified value through deployment of these technologies
- We're making these technologies available to our customers to drive better returns for our ERP customers
- These solutions can be easily deployed in the cloud even if your ERP is still on-premise
- Through self-service BI and analytics end-users can be empowered to unlock their own informational insights

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