

# EMPOWER BUSINESS TO THRIVE WITH MICROSOFT FABRIC'S AI DRIVEN INSIGHTS

## Introduction

Data journey in any enterprise which involves several stages, from data collection to interpretation and decision-making; business users encounter key challenges that can impact the effectiveness of their data analytics efforts. In this point of view, I will focus on what are the key challenges in data journey, how introduction of Microsoft Fabric is going to overcome the challenges & enable with AI driven insights, key differentiators and solutions play for System Integrators.

### Challenges are very prominent and multifold in every stage of data journey

**Data Collection:** Today irrespective of the size and scale of the data in any organizations, it exists in silos, inconsistent format resulting inaccurate analysis and unreliable insights.

**Storage:** As the volume grows, storing and managing data with efficiency becomes challenging. Inadequate storage and management can result in slow query performance and difficulties in accessing the right data.

**Transformation:** Cleaning, transforming, and preparing raw data for analysis requires significant effort. Inaccurate or incomplete data transformations can lead to flawed analyses and biased results.

**Modeling:** Choosing the right analytical techniques and models can be challenging, especially for non-technical business users. Poor model selection or misinterpretation can lead to flawed insights and inaccurate predictions.

**Visualization:** Creating effective visualizations that convey insights without misrepresentation is a skill. Misleading visualizations can lead to incorrect conclusions, while the inability to interpret visualizations can hinder decision-making.

**Collaboration:** Collaborating across departments may face resistance due to varying levels of data literacy.

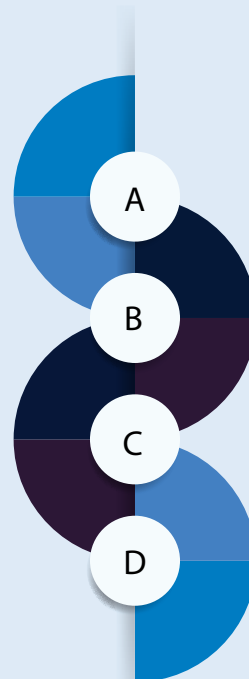
**Security:** Ensuring the security and compliance of sensitive data is a constant concern. Adhering to regulations and protecting against data breaches are essential. Data breaches can have severe consequences, including legal repercussions and damage to the organization's reputation.

Microsoft Fabric is an all-in-one Analytics Solution to revolutionize business operations through bringing the cutting-edge cloud computing technologies close to the business users in a framework of low-code stack. While AI-driven insights enhance decision-making for business users, it is also prioritizes robust data protection to safeguard sensitive information.

### Four key focus areas where Microsoft Fabric is going to be a game changer

AI-driven insights enhance decision-making

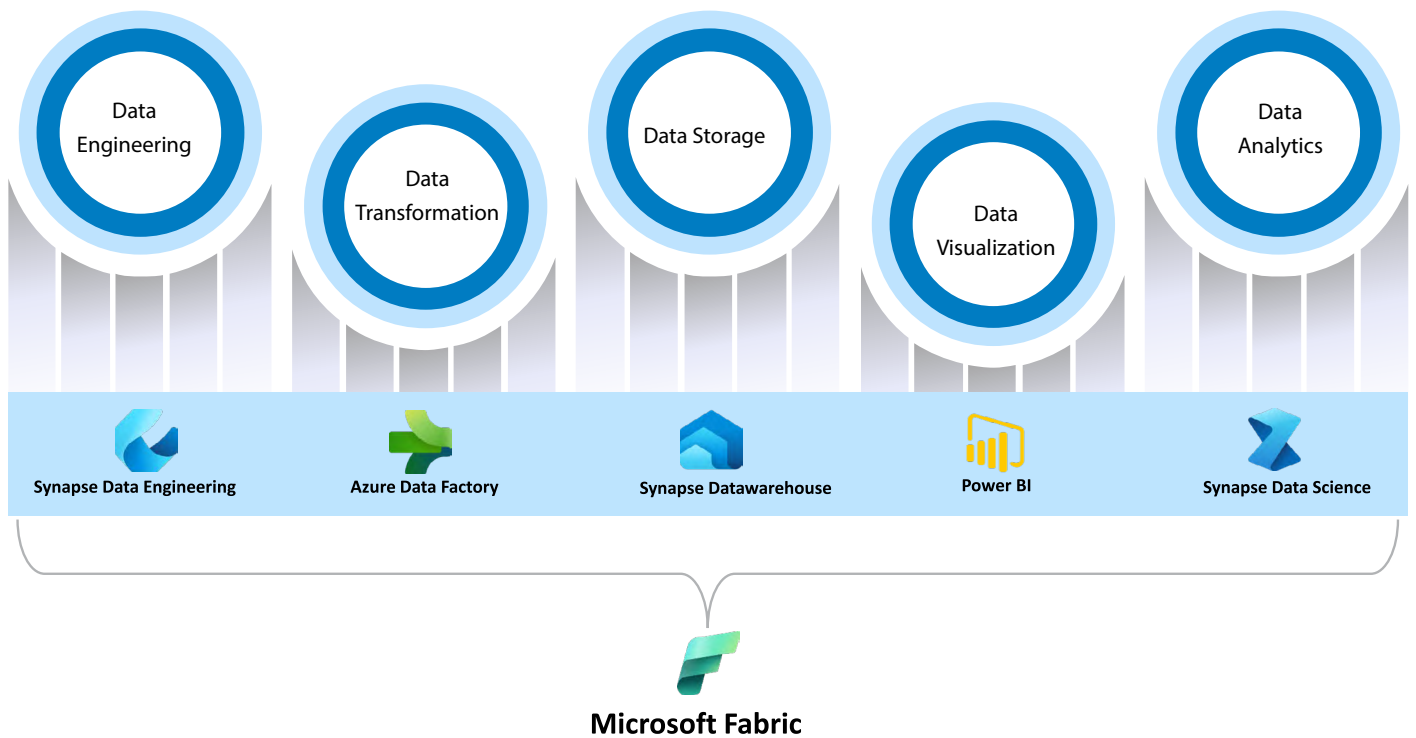
User-friendly interface simplifies application deployment and management, boosting productivity



Robust data protection ensures security

Scale workloads effortlessly, innovate rapidly, and adapt to changing market dynamics

## Journey of data in an enterprise through Microsoft Fabric



### How enterprises are going to get benefitted from Fabric

#### Low Code Stack:

Since the platform has significant theme around Low-Code, it would enhance employee productivity and experience. One of the key paths to bring technologies closure to business users and citizen developers.

#### Infusion of Gen AI through Copilot:

Right mix of Gen AI technologies like Copilot in Power BI would boost the efficiency, enabling quicker insights, informed decision-making, and more agile responses to changing market conditions, ultimately enhancing overall business intelligence and competitiveness.

#### Enable Fusion Development:

While the platform is intended to increase adoption for business users and citizen developers, it would also provide a playground for professional technology developers to advance through datasets, resulting higher adoption of fusion development creating cutting edge solutions.

#### Unified Analytics Platform for everyone:

Every enterprise is targeting to create common datasets and onboard personas like data engineers, data scientists, decision makers, business SME into a single platform to work on the data. Fabric's evolution towards "Platform for Everyone" would be way faster than its previous predecessors.



### Role of a system integrator in this adoption journey

While the platform comes with certain maturity, System Integrators are going to play critical role for successful adoption of Microsoft Fabric both for green field implementation and analytics re-platform. Some of the key services customers would look for:

- Providing Advisory Services to setup Analytics CoE with right set of Security and Governance framework.
- Evangelization of unified analytics platform through Dashboard in a Day workshop, curated training.
- Build self-servicing capabilities to enable everyone to leverage the platform to its full potential.

## Conclusion

Introduction of Microsoft Fabric is going to be seen as revolutionary movement towards providing unified analytics platform in data journey rather than consolidation of several technologies. Bringing data into this platform through data engineering stack (Synapse Data Engineering), transformation (Azure Data Factory), storage (Synapse Datawarehouse), visualization (Power BI) and finally rich analytics (Synapse Data Science) has never been seamless before Fabric. It comes with pre-built data orchestration reducing the effort of stitching together these technologies into a single platform. Low-code flavor is even going to make this better for business users including on Gen AI technologies. The perfect mix of cutting-edge technologies to unify the data journey.



## Author



### Diptendu Konar

#### Consulting & Solutions Lead, Power Platform Practice

As a consulting and solutions lead, Diptendu is responsible for developing solutions and taking to the market by leveraging Microsoft Power Platform. He has 20 years of experience as a practitioner to provide business process automation solutions. He has worked on innovation labs to evaluate new technologies and operationalize it for service lines for majority of his careers.

**Infosys Cobalt** is a set of services, solutions and platforms for enterprises to accelerate their cloud journey. It offers over 35,000 cloud assets, over 300 industry cloud solution blueprints and a thriving community of cloud business and technology practitioners to drive increased business value. With Infosys Cobalt, regulatory and security compliance, along with technical and financial governance comes baked into every solution delivered.

For more information, contact [askus@infosys.com](mailto:askus@infosys.com)



© 2024 Infosys Limited, Bengaluru, India. All Rights Reserved. Infosys believes the information in this document is accurate as of its publication date; such information is subject to change without notice. Infosys acknowledges the proprietary rights of other companies to the trademarks, product names and such other intellectual property rights mentioned in this document. Except as expressly permitted, neither this documentation nor any part of it may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, printing, photocopying, recording or otherwise, without the prior permission of Infosys Limited and/ or any named intellectual property rights holders under this document.