Microsoft Fabric

IBM & Neudesic's offering

NEUDESIC
an IBM Company

IBM

About IBM+Neudesic

Our Mission
Help clients get on the winning side of digital transformation

Top 5	Microsoft Partner Globally
5	Microsoft Solution Partner Designations
#1	Partner In IP Co-Sell Services with 30+ Co-Sell Solutions
Elite	Access to Microsoft Funding
5000+	Microsoft Certified Consulting Workforce

Microsoft Solutions Partner | **Microsoft Azure AI & Machine Learning Advanced Specialization**
Analytics on Microsoft Azure Advanced Specialization

Microsoft Managed Partner

Our Microsoft Awards

Microsoft Partner of the Year 2023

Cloud Transformation
- 2023 GSI Growth Champion – Partner of the Year, USA, Winner
- 2023 GSI Growth Champion – Partner of the year, Global Finalist

Data & AI
- 2023 US AI Partner of the Year
- 2023 Global AI Partner of the Year – Finalist
- 2023 Migration to Azure (Global Winner, US Finalist)
- 2022 US AI Partner of the Year
- 2022 Global AI Partner of the Year Finalist
- 2019 US Intelligent Cloud AI/ML Partner of the Year
- 2018 Modern Data Estate Partner of the Year
- 2016 US Data Analytics Partner of the Year
- 2015 Big Data & Analytics Partner of the Year

Industries
- 2021 US FSI Partner of the Year

National
- 2021 Global SA Partner of the Year Finalist
- 2018 Microsoft Market Pacesetter Award
- 2017 United States Partner of the Year
- 2017 National Solution Provider of the Year

Introducing Microsoft Fabric

Fabric brings together existing offerings like Data Factory, Synapse, and Power BI into a single unified product for all your data and analytics workloads.

Data Integration	Data Engineering	Data Warehouse	Data Science	Real Time Analytics	Business Intelligence
Data Factory	Synapse	Synapse	Synapse	Synapse	Power BI

Unified data foundation
OneLake

Persistent data governance and security
Purview

IBM & Neudesic's Modern Enterprise Analytic Personas

Data Architects

- Focus on managing analytics infrastructure
- Responsible for data governance and ensuring data quality
- Work with (within) IT to ensure optimal deployment of data architectures, pipelines, data warehouses and analytics platforms

Data Engineers

- Collaborates with stakeholders to design and implement data-related assets
- Including data ingestion pipelines, cleansing, and transformation activities, and data stores for analytical workloads.
- Responsible for ensuring data privacy, managing and monitoring of data stores and data pipelines to ensure that data loads perform as expected.

Data Scientists

- Apply the most advanced data tools and algorithms
- Heavy focus on tools technology trends
- Work on large amounts of detailed data over a wider range of time

Data Analysts

- Work with data in depth
- Focus on data quality and governance
- Focus on technology and business issues
- Focus on medium term data with more depth
- spend more time on the data platform and tools

Executive & Line of Business Users

- Make day to day and long-term strategic decisions
- Focus on business level operational metrics
- High-level summaries, visualizations and dashboards: Key metrics and trends
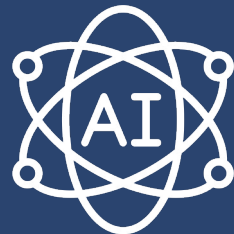- Detailed operational metrics with frequent updates

All your data. All your teams. All in one place.

Unify your data estate

Establish an open and lake-centric hub that helps data engineers connect data from different sources—eliminating sprawl and creating custom views from everyone.

Manage powerful AI models

Accelerate analysis by developing AI models on a single foundation without data — movement reducing the time data scientists need to deliver value.

Empower everyone in your business

Innovate faster by helping every person in your organization act on insights from within Microsoft 365 apps, such as Microsoft Excel and Microsoft Teams.
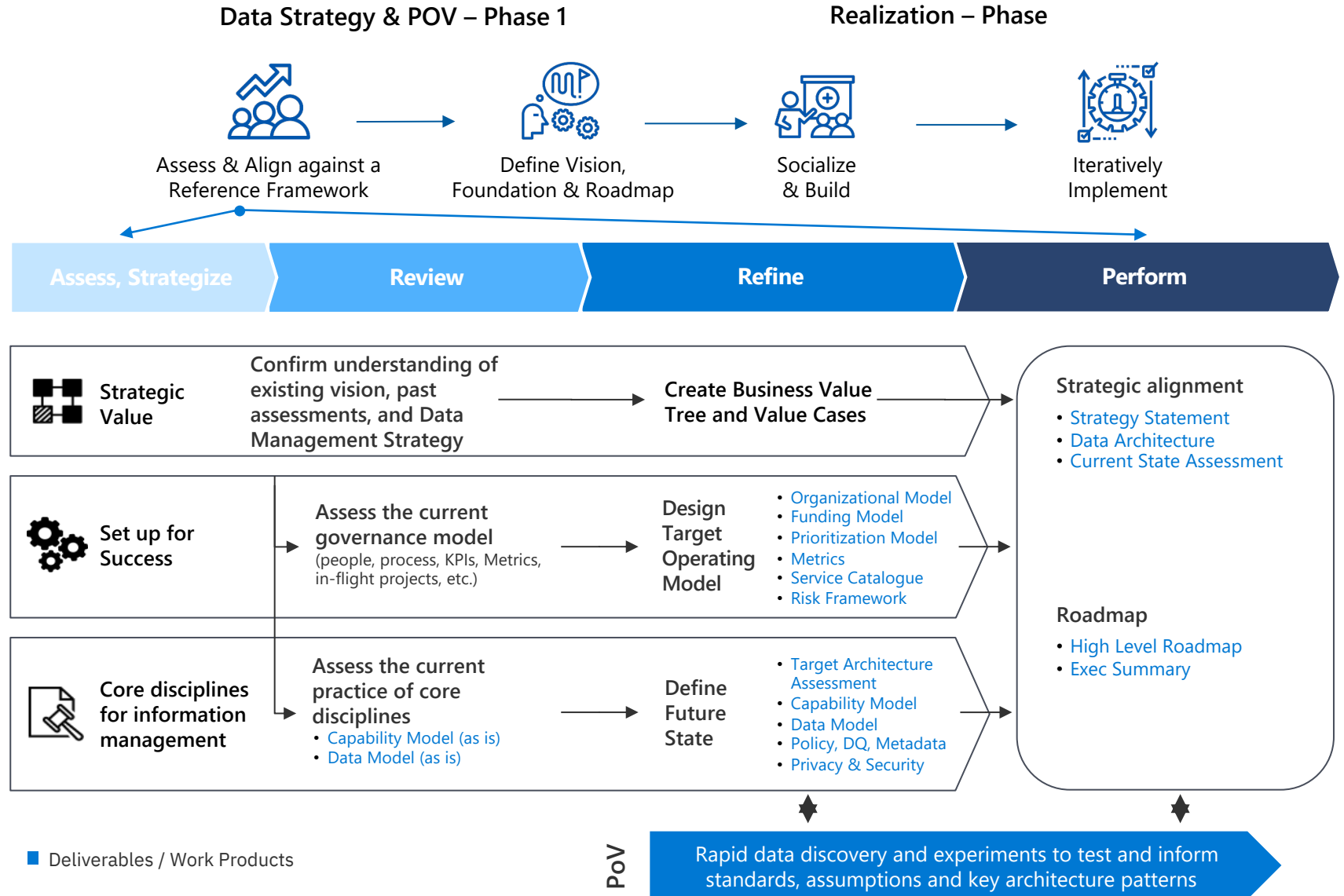
Govern data across your organization

Responsibly connect people and data using an open and scalable solution that gives data stewards additional control with built-in security, governance, and compliance

IBM Data Strategy Method for Microsoft Fabric

IBM's Data Strategy Method allows for flexibility with the size of organization, complexity, and can include a Data Discovery Proof of Value (Proof of Value) to try out part of the solution which could be expanded during the next phase. The method includes 2 main steps ahead of the generation of a High-Level Roadmap.

Data Strategy & POV – Phase 1

Assess & Align against a Reference Framework

Define Vision, Foundation & Roadmap

Realization – Phase

Socialize & Build

Iteratively Implement

Assess, Strategize	Review	Refine	Perform

Strategic Value

Confirm understanding of existing vision, past assessments, and Data Management Strategy

Create Business Value Tree and Value Cases

Strategic alignment
- Strategy Statement
- Data Architecture
- Current State Assessment

Set up for Success

Assess the current governance model (people, process, KPIs, Metrics, in-flight projects, etc.)

Design Target Operating Model

- Organizational Model
- Funding Model
- Prioritization Model
- Metrics
- Service Catalogue
- Risk Framework

Roadmap
- High Level Roadmap
- Exec Summary

Core disciplines for information management

Assess the current practice of core disciplines
- Capability Model (as is)
- Data Model (as is)

Define Future State

- Target Architecture Assessment
- Capability Model
- Data Model
- Policy, DQ, Metadata
- Privacy & Security

■ Deliverables / Work Products

PoV

Rapid data discovery and experiments to test and inform standards, assumptions and key architecture patterns

IBM & Neudesic's Microsoft Fabric Workshop

Unlock the Power of Microsoft Fabric with IBM & Neudesic's 4-Hour Workshop

Microsoft Fabric End-to-End

Deepen your knowledge of Microsoft Fabric with Microsoft's Partner of the Year

Microsoft Fabric Ideation Session

Unleash the power of Microsoft Fabric for limitless creativity in ideation sessions

Microsoft Fabric Roadmap

Collaborate with Microsoft Fabric co-developers to rapidly evaluate performance and insights

Key Benefits of the Microsoft Fabric Workshop

- Accelerate your AI journey with rapid Fabric deployment
- Unlock insights with advanced analytics to drive smarter decisions
- Increase ROI and reduce costs with optimized operations
- Automate processes to maximize efficiency and productivity

Accelerate your Microsoft Fabric Journey with IBM Garage + Neudesic

Phase I		Phase II

Jumpstart your Data Strategy with Microsoft Fabric

1 Week	2 Weeks
Envision & Design	**Develop & Empower**

IBM Garage +Neudesic Microsoft Fabric MVP

4~8 weeks

Co-Create

Scale Data Estate with Microsoft Fabric

Ongoing

Co-Operate

IBM & Neudesic's Microsoft Fabric Jumpstart

Accelerate your Microsoft Fabric implementation. **The data platform for the era of AI.**

Envision & Design
Week 1

- Allocate necessary resources and estimate the required budget.
- Identify specific functionalities or processes to be included
- Define success criteria and measurable objectives
- Create a detailed architectural plan for implementing the PoC.
- Set up the environment
- Begin implementing the components and functionality outlined in the architectural plan.

Develop
Week 2

- Write necessary code and configure settings.
- Collect feedback from the stakeholders and users involved
- Conduct thorough testing of the PoC, considering different scenarios and use cases.

Empower
Week 3

- Evaluate the performance and scalability of the Fabric implementation.
- Document the outcomes, lessons learned, and areas for improvement.
- Deliver training sessions and hand-off PoC to your team.

Key Deliverables of IBM & Neudesic's 4 Week Microsoft Fabric Jumpstart

- Fully configured Fabric Workspace ready for development.
- Production ready Notebooks (4-5) to ingest and process data in the Lakehouse.
- Custom-built PowerBI report leveraging Lakehouse insights.
- Two knowledge transfer sessions, PoC design document, and training material.

IBM Garage + Neudesic Microsoft Fabric MVP

Co-Create | 4~8 weeks

Envision & Design

- Prioritize (data factory, data engineering, data warehouse, data lake, data science, Power BI) experiences to implement
- Establish Personas / User Journey; Establish access controls based on roles/personas
- Understand regulatory scenarios: Data observability scenarios aligned with regulations. Data sovereignty and residency

Develop

- Optimize data pipelines and the medallion architecture (bronze, silver, gold) for the one lake
- Develop an optimal privacy, security, governance architecture (data masking, profiling, access, lineage, provenance)

Empower

- Analyze and implement cost optimized data acquisition and ingestion patterns leveraging One Lake shortcuts in the MSFT Fabric platform
- Execute and test E2E dataflows

Key Deliverables of IBM & Neudesic's Microsoft Fabric MVP

- Fabric Workspace is configured and ready for development
- Notebooks/Pipelines have been configured and are ingesting & processing data per the agreed upon data model and pushing data to the Fabric Warehouse

- Completed PowerBI report(s) based on agreed upon use case(s)
- Documentation on platform configuration

Scale Data Estate with Microsoft Fabric

Co-Operate | Ongoing

- Operationalize Fabric alongside existing enterprise data platforms

- Execute data strategy and the roadmap

- Develop and implement a migration strategy for moving existing Azure and/or legacy data platforms to MS Fabric

- Scale Fabric to additional business domains as a modern data analytics platform

- Measure/evaluate the cost and process efficiencies

Overview of a Data Management Maturity (DMM) Model

IBM Consulting uses industry best practices for Data Management Program Maturity Models and would choose with AA which model to use. These models include Carnegie Mellon's DMM Model, Enterprise Data Management Council's (EDMC's) Maturity Model, and IBM's own maturity models for Information Governance, and Data Management and Analytics.

The DMM Model has 26 dimensions across six main areas

SUPPORTING PROCESSES
- Measurement & Analysis
- Process Management – DG
- Process Management – EI
- Process Quality Assurance
- Risk Management
- Configuration Management

DATA MANAGEMENT
- Communications
- Data Management Function
- Business Case
- Program Funding

PLATFORM & ARCHITECTURE
- Architectural Approach
- Architectural Standards
- Data Management Platform
- Data Integration
- Archiving & Retention

DATA GOVERNANCE
- Data Security
- Data Compliance
- Data Privacy
- Data Stewardship

DATA OPERATIONS
- Data Requirements Definition
- Data Lifecycle Management
- Provider Management

DATA QUALITY
- Data Quality Strategy
- Data Profiling
- Data Quality Assessment
- Data Cleansing