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Navigate information technology

Microsoft Fabric Landing Zone Implementation

HIGHLIGHTS

- ***Foundational Governance:*** Establishes consistent standards for security, access control, and compliance across all data assets from day one.
- ***Scalable Architecture:*** Enables structured growth through well-defined workspaces, business domains, tagging strategies, and capacity planning within OneLake.
- ***Accelerated Adoption:*** Reduces technical debt and streamlines onboarding by providing a ready-to-use framework for teams to build, manage, and collaborate efficiently.

ABOUT DAYMARK

Daymark Solutions excels in creating sophisticated technology solutions, specializing in addressing complex business challenges through expertly designed systems. Their highly skilled architects are adept at crafting well architected solutions that seamlessly integrate cloud and data center technologies. By combining these technologies, they create robust, scalable and secure systems tailored to meet their clients' unique needs.

Implementing a Microsoft Fabric Landing Zone is the critical first step to ensure your data platform is secure, scalable, and strategically aligned-before a single dataset is deployed.

OVERVIEW

Microsoft Fabric is an all-in-one, AI-first Software-as-a-Service (SaaS) data platform that unifies data movement, engineering, science, real-time analytics, and business intelligence into a single, seamless experience. Built to empower data professionals, Fabric integrates deeply with the Microsoft ecosystem—leveraging tools like Power BI, Data Factory, Synapse, and OneLake to simplify complex data workflows and accelerate insights. With AI embedded throughout the platform—including features like Copilot for natural language interaction—Fabric enables every user to harness the power of data, regardless of technical expertise.

To fully realize the potential of Microsoft Fabric, organizations must begin with a well architected Landing Zone—a foundational blueprint that ensures scalable, secure, and governed adoption. This architectural starting point is essential for aligning deployment with enterprise standards and long-term strategic goals.

At the core of a Microsoft Fabric Landing Zone are four critical architectural pillars:

- ***Workspaces****: Serve as structured containers for organizing assets (reports, datasets, notebooks, pipelines) by function, team, or use case, enabling role-based access and streamlined collaboration.*
- ***Domains****: Align data ownership and stewardship with business units (e.g., Finance, Sales, HR), supporting data mesh principles and decentralized governance across OneLake.*
- ***Tagging****: Standardizes meta data for resources, enabling cost tracking, access policies, discoverability, and automation around security and compliance.*
- **Capacity:** *Provides the foundation for workload scalability and performance,ensuring proper licensing, resource isolation, and cost control based on workload demands.*

By taking a design-first approach, teams can lay a strong foundation that supports collaboration, agility, and operational excellence. This approach transforms Microsoft Fabric from a powerful tool set into a strategic enabler of enterprise-wide, AI-driven data innovation.

LEARNING OBJECTIVES

At the end of the implementation, participants will understand:

- How workspaces, domains, tagging, and capacity planning create a secure, scalable foundation for organizing and operating within Microsoft Fabric and OneLake.
- Practices for implementing role-based access control, tagging strategies, and data boundaries that align with organizational policies and regulatory standards.
- The importance of planning for scale, cost optimization, and service integration to support evolving business and technical requirements.
- Ways to ensure both business users and technical teams can effectively onboard, manage, and collaborate within Microsoft Fabric using the established Landing Zone.

AGENDA

Workstream 1: Plan & Architect Microsoft Fabric Landing Zone

Objective: Define the architecture and governance model for a scalable Microsoft Fabric Zone.

Activities:

- Review Core Microsoft Fabric concepts, including OneLake workspaces, and domains.
- Define a workspace and domain structure aligned to business functions and data ownership.
- Establish governance strategies including tagging, access control, and cost management.
- Plan capacity allocation and identify integrations needs (e.g., Purview, Entra ID, Power BI).
- Document the Landing Zone blueprint for implementation.

Workstream 2: Build and Enable Microsoft Fabric Landing Zone

Objective: Deploy and configure the Landing Zone inside Microsoft Fabric.

Activities:

- Create and configure workspaces, domains, and capacity assignments in the Fabric environment.
- Apply role-based access and implement tagging for governance and reporting.
- Showcase how users collaborate across workspaces, visualize data lineage and manage shared assets within Microsoft Fabric.
- Validate the Landing Zone deployment against the blueprint and review operational best practices.

Learn more about Daymark Solutions, visit **www.daymarksi.com**

Daymark Solutions, Inc.
131 Middlesex Turnpike
Burlington, Massachusetts 01803

+1.781.359.3000
info@daymarksi.com
www.daymarksi.com

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