Project Overview

The Minimum Viable Product (MVP) addresses the data migration challenges organizations face archiving data from SharePoint to Azure Data Lake Storage (ADLS). The solution will facilitate seamless data migration while ensuring access permissions are appropriately mapped and managed in Azure Active Directory (Azure AD).

Key Features

1. Data Migration:

- Extract and transfer data from SharePoint to ADLS using efficient data transfer mechanisms.
- Support migration of structured and unstructured data types while maintaining data integrity.

2. Access Permissions Matching:

- Integrate with Azure AD to extract user and group access permissions from SharePoint.
- Map SharePoint roles to equivalent Azure roles in Azure AD.

3. User Interface:

- A simple web-based interface for configuring migration settings and permissions matching rules.

4. Logging:

- Detailed logging of migration activities, including successes and failures.

5. Scalability and Performance:

- Design the solution to handle large datasets efficiently.
- Utilize Azure's scalable resources to ensure optimal performance during migration.

6. Security and Compliance:

- Implement security best practices to ensure data confidentiality during migration.
- Comply with industry standards and regulations related to data protection.

Benefits

- **Streamlined Migration:** Simplify the complex process of migrating data from SharePoint to ADLS.
- **Reduced Manual Effort:** Automate the permissions matching process, reducing the need for manual intervention.
- **Data Integrity:** Ensure data integrity during migration and maintain access controls.
- **Time and Cost Savings:** Reduce the time and effort required for data migration and permissions matching.
- **Seamless Transition:** Support organizations in their transition to Azure services.

Target Audience

IT Administrators, Data Engineers, and Organizations planning to migrate data from SharePoint to ADLS while maintaining access permissions.

By addressing the critical challenges of data migration and access permissions matching, the MVP offers a practical solution for organizations transitioning their data ecosystem to Azure while ensuring data integrity and security.

Reach Out

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