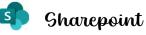
Using Power BI Metadata to mitigate data issues

Pre-steps required before starting:



- ☐ Create an Azure AD App
- ☐ Create a new security group in AD, add the app to the group.



☐ Creation of a Sharepoint space to store the files generated.



Power BT. Admin:

- Enable service principal authentication for read only admin apps.
- Enable allow service principals to use read only Power Bl admin APIs in the Power Bl tenant.

Request and collect the entire <u>metadata of a tenant's PBI schema</u> and catalog with two purposes

Building Blocks

- GOVERNANCE: Better manage and unify the business logic used across workspaces, datasets and measures.
- ADOPTION: Automate solution that avoids manual update of information and not updated active data

Goals

- Create an easy to use process to automate API workflow.
- **Store** the results into JSON file into Sharepoint.
- Transform the metadata into structured model.
- Use the data in Power Bl



- Comparisons between different environments
- Understand and monitor full data pipeline
- Facilitate the identification on how changes in data components can impact the data pipeline

Power Automate Flow that handles API requests and calls on scheduled daily refreshes.

- Import Power BI API Scanner
- Set up automation flows
- Run flows

Save generated files in **Sharepoint** folder.

• Save data in Sharepoint

Power B1 to connect and model the data

- Connect data to Power BI
- Build data model and logic for test
- Deploy in APP
- Set alerting mechanism



Data that can be extracted

- Workspaces
- Data Source
- Dataflows

- Datasets
 - Tables
 - Columns
 - Measures

More info here