Power BI Refresh Monitoring Automation

Automated Power BI Dataset Refresh Failure Monitoring using Power Automate + REST API + Teams/Outlook Alerts

This project provides an end-to-end automated solution to **monitor Power BI scheduled refresh failures** across multiple workspaces using **Power Automate**. It automatically detects failed refreshes and sends real-time alerts to Teams and Outlook, and optionally logs the events for auditing.

Overview

Power BI Service → Power Automate → REST API Call → Check Status

Components Used

Power Automate

- Recurrence Trigger

- HTTP REST API requests

- Condition checks

- Teams/Outlook connectors

- SharePoint/Excel logging

Power BI REST API

- GET https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/refreshes

- GET https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets

- GET https://api.powerbi.com/v1.0/myorg/admin/capacities/{capacityId}/refreshables
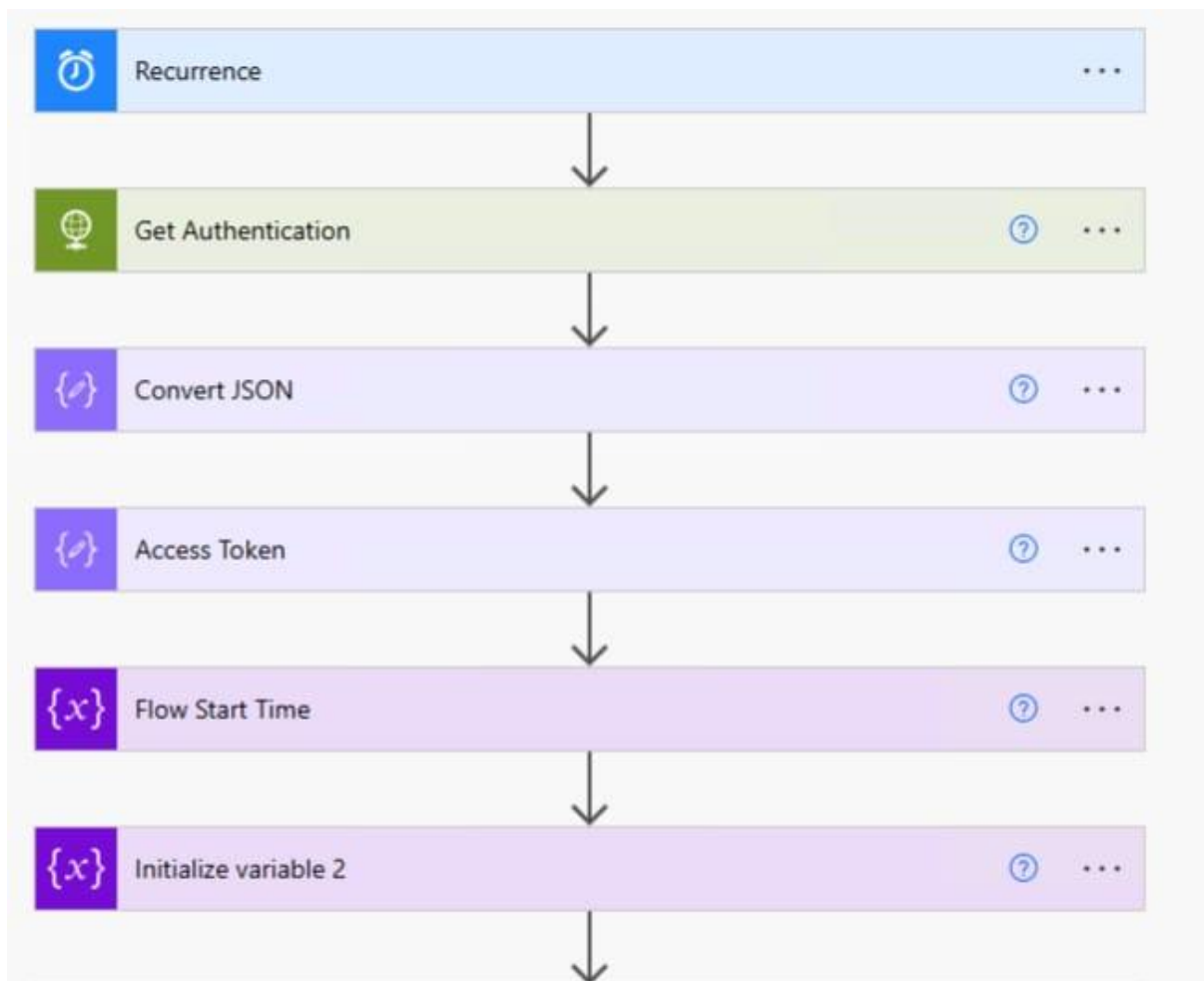
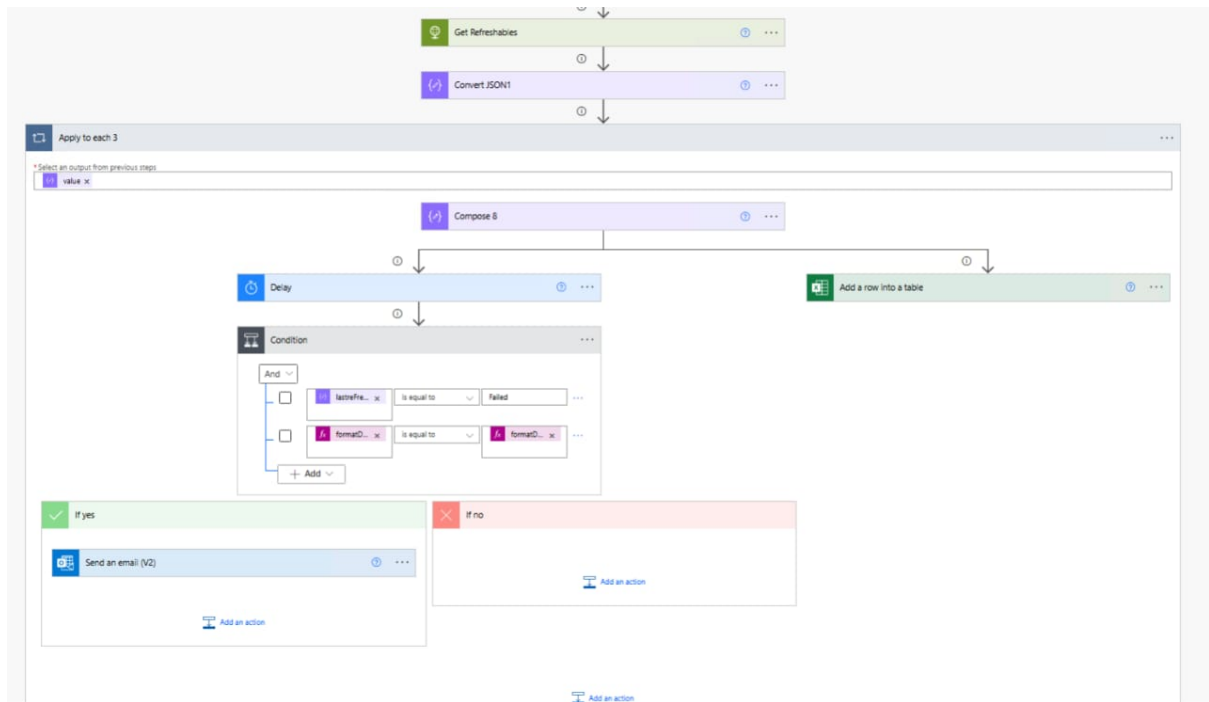**Storage**

- SharePoint List

- Excel File

- SQL Table

Workflow (step-by-step):

- Flow triggers automatically based on schedule
- REST API fetches workspace & dataset list
- For each dataset, API fetches latest refresh activity
- Flow checks status: Succeeded / Failed / In Progress
- If *Failed* → Alert message sent to Teams & Outlook
- Logs are recorded for reporting

Screenshots:

Flow design

Teams alert notification

Total Failures Alert

The trigger condition has been met for your Power BI report

Manage rule   **View details**

Activation Time:	Dec 05, 2025 9:43:41 UTC
Total Failures:	PowerBI Metric
Total Failures:	2

Last modified by powerbi.ser on Sep 19, 2025 15:23:17 UTC, UID: d76c2ad5

If you have any questions or feedback on Activator, please share it on https://aka.ms/ActivatorCommunity.

Outlook alert email: