Microsoft Power Platform

CAT

Power BI Gateway Monitoring

Microsoft

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Professional:

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Former Microsoft MVP
Co-Founder of Power BI Portugal User Group

Personal:

Snowboarding, Swimming, Sports
Cats, Cinema & Popcorn, Xbox
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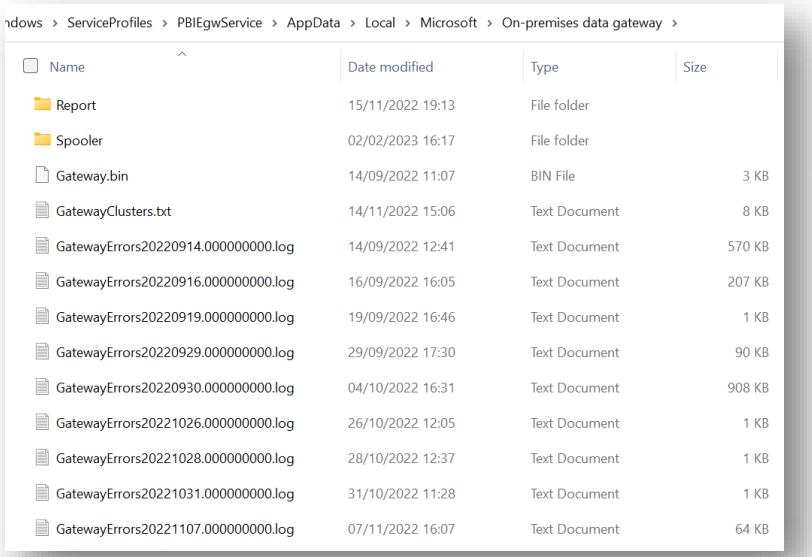
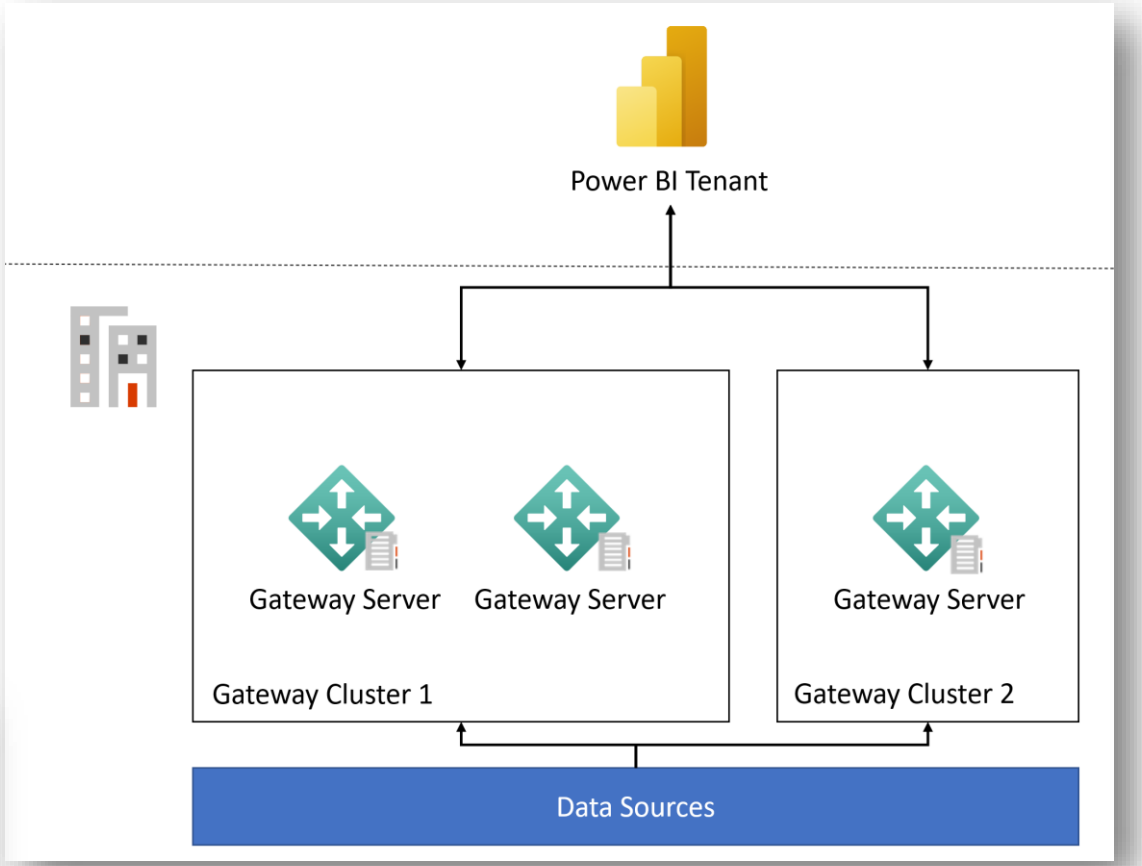
Objective:

Talk about a solution to efficiently monitor & troubleshoot your on-prem gateways.

“The Pain”

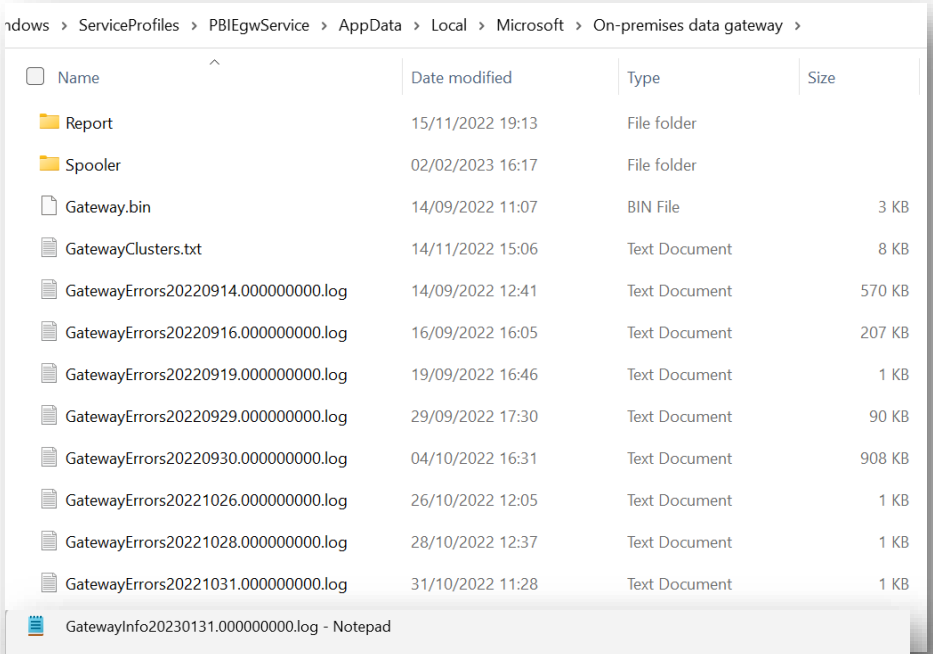
- Access gateway logs is challenging
  - Power BI Admins may not have access the Gateway Servers
  - Gateway servers might be in a DMZ or different network
- Digging through the logs is hard
  - msdocs1, msdocs2
- More Gateways => More Pain ☹

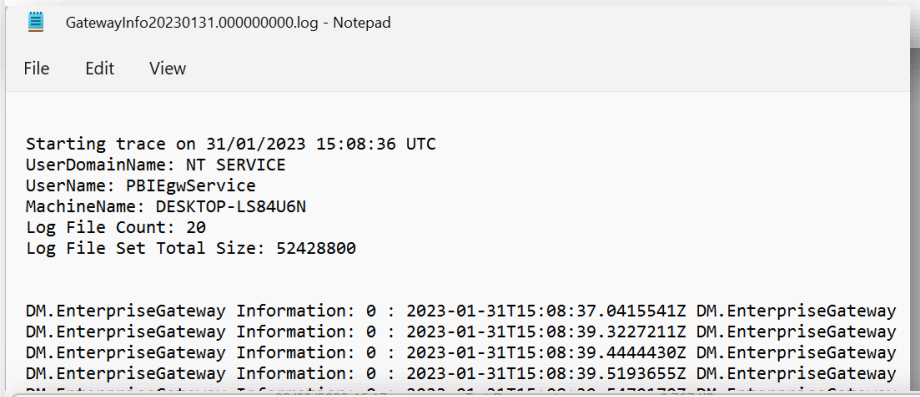


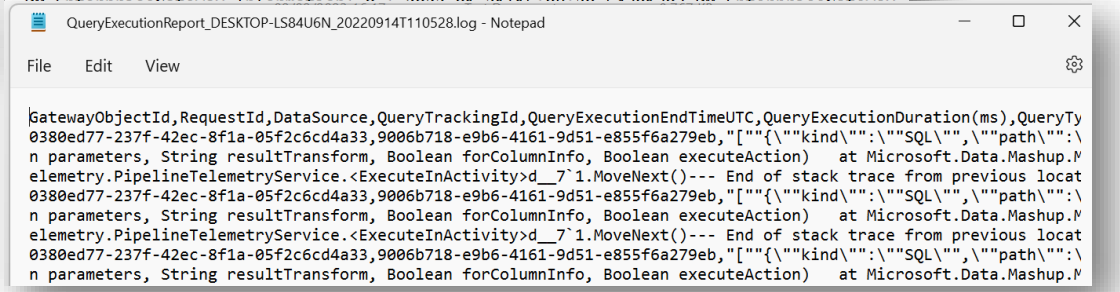


The Logs

- By default, located here (for the gateway user):
  - %LOCALAPPDATA%\Microsoft\On-premises data gateway
- Most of them are rotating logs
  - If you don't save them, they will be deleted
  - There are configurations to change this behavior
- Trace Logs
  - GatewayErrors*.log
  - GatewayInfo*.log
  - GatewayNetwork*.log
  - Mashup*.log
  - MashupContainerProfiles.log
- Report Logs
  - Query Execution (start, execution, aggregation)
  - System Counters

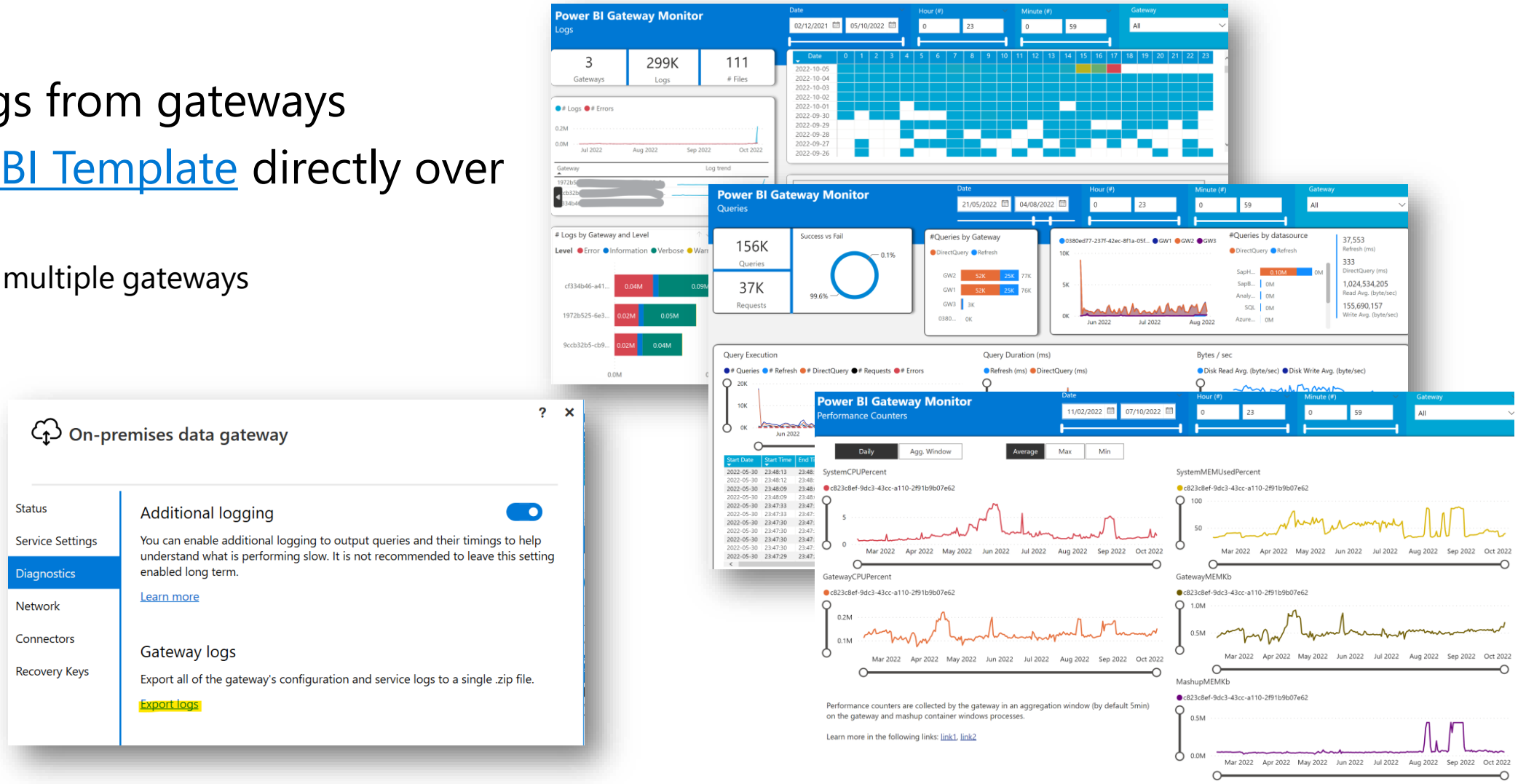






Get Insights directly from Logs

- Export logs from gateways
- Run the PBI Template directly over the data
  - Support for multiple gateways



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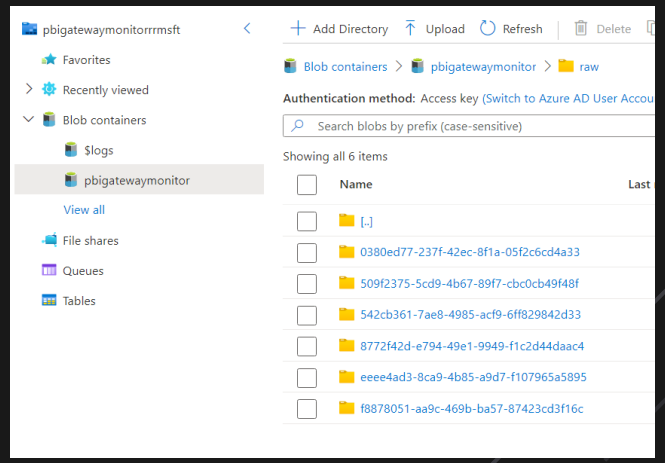
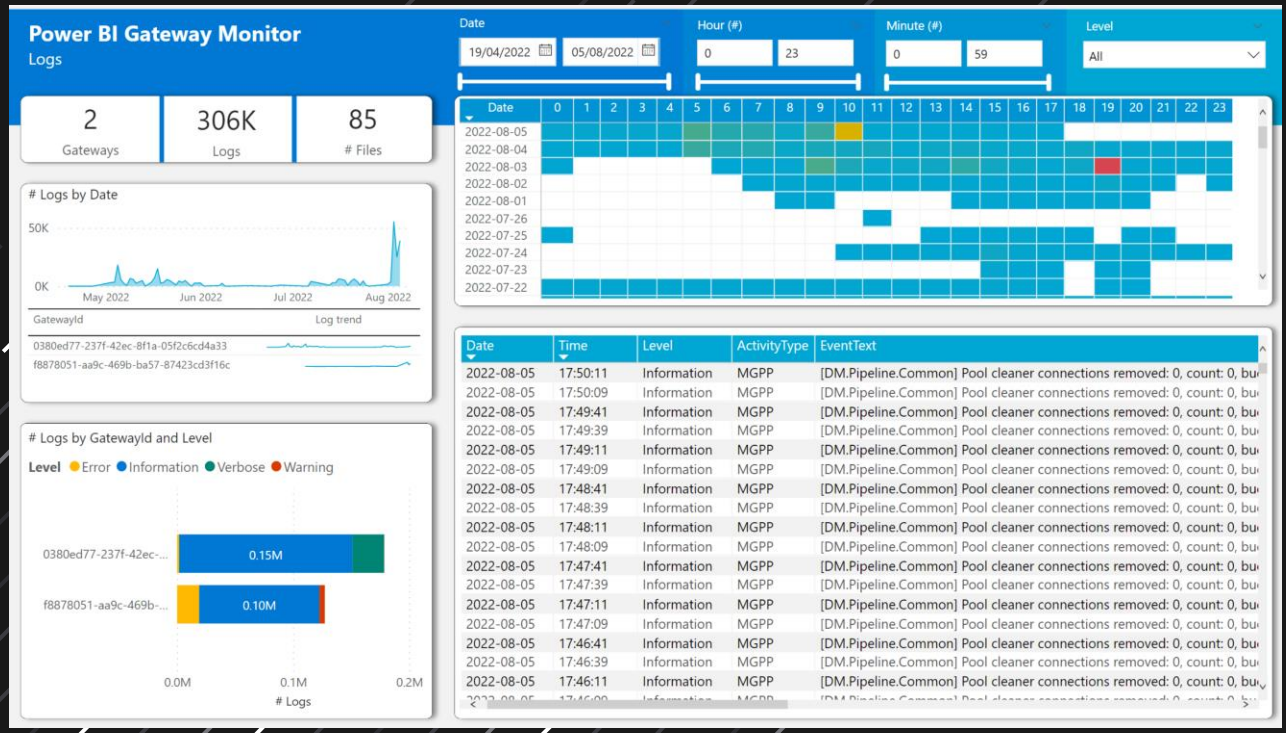


DEMO - Report

Power BI Template – Lake or Local Folder
Data Exploration on Azure Storage Explorer
Report - Logs, Queries, Counters, Profile…
Troubleshooting

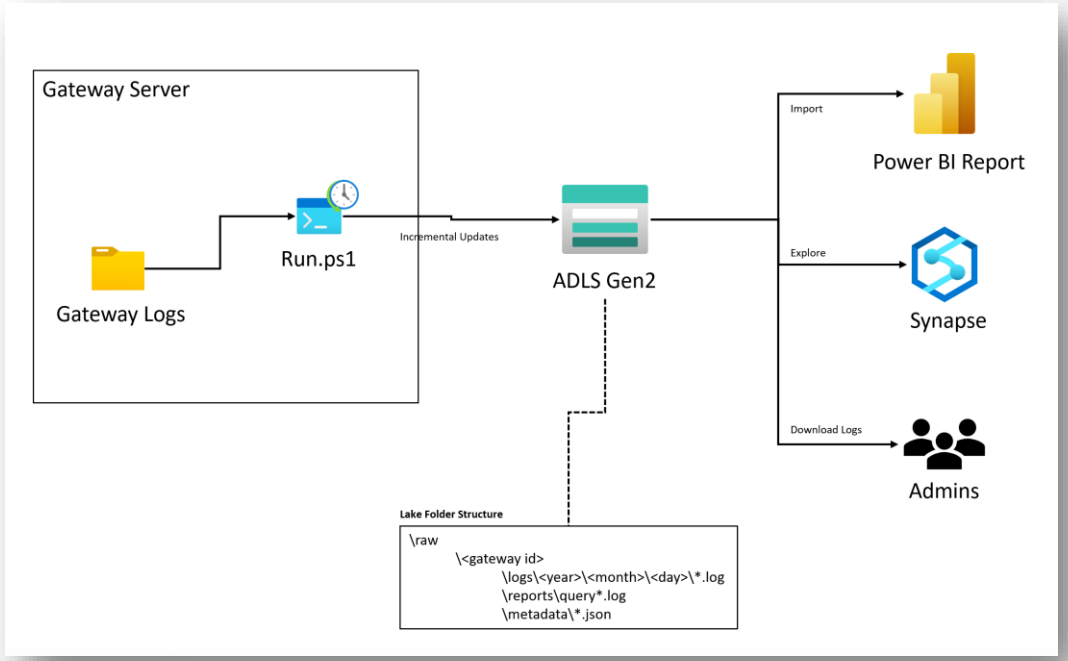


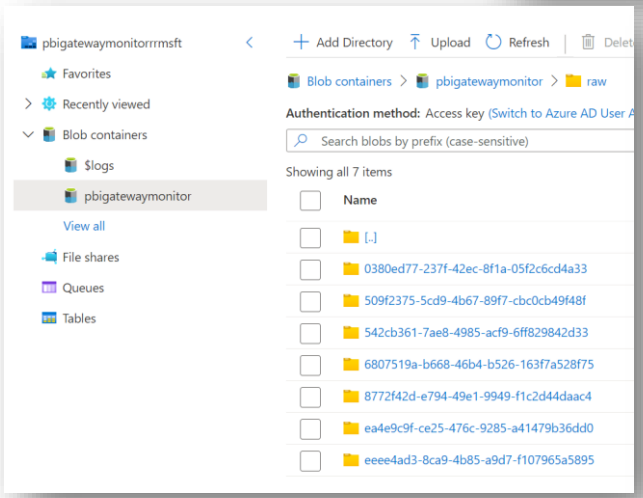
[GitHub Repo]

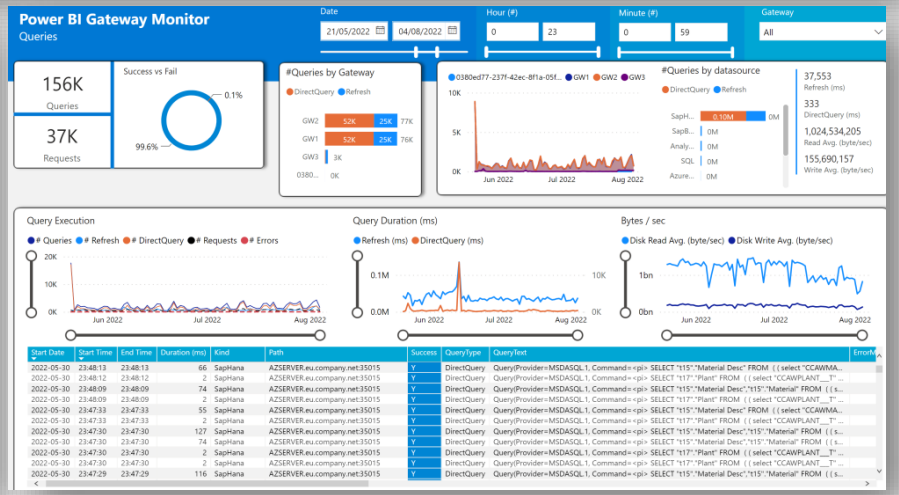
End to End Solution

- Centralize/move logs on easy & secure location
- Explore log data with Power BI
- Explore with other tools: SPARK, ADX,…

Download the accelerator solution here: [GitHub Repo]







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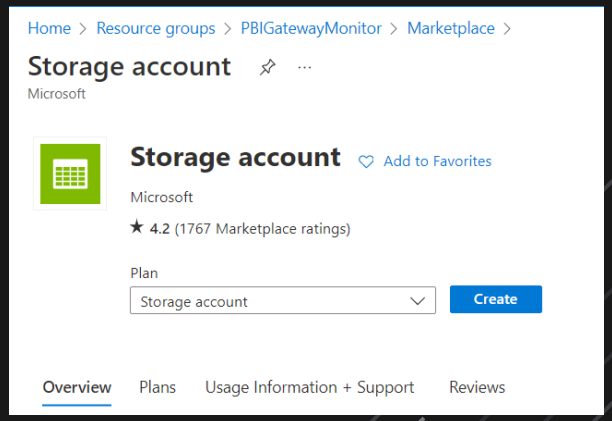
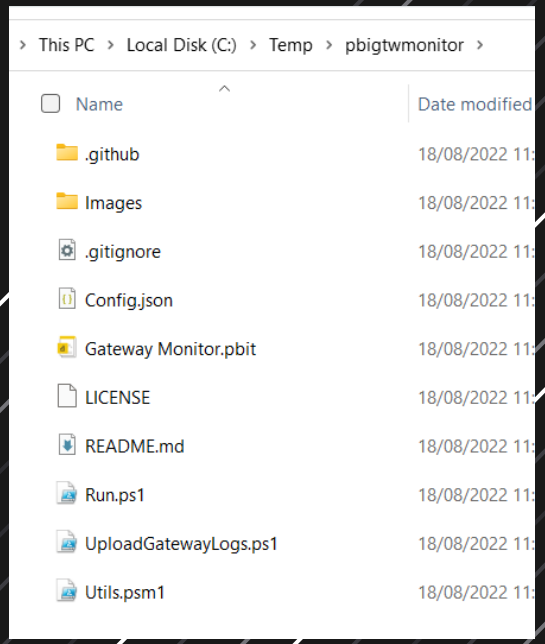
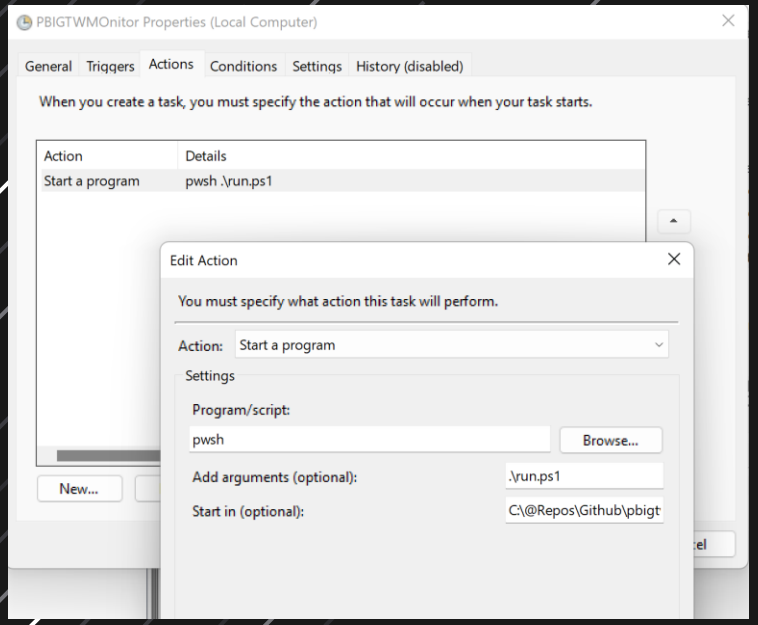
DEMO - Setup

Create Azure Storage Account
Deploy Scripts to Gateway
Create a Schedule Task

GitHub Repo







CLOSING REMARKS

IT'S NOT ABOUT WHAT YOU KNOW.
IT'S ABOUT WHAT YOU KNOW IS POSSIBLE.

Thank You

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