MOURI Tech's Error handling framework for **Microsoft Azure data Factory and Azure logic Apps**

A custom-made configurable framework, to handle the errors/faulty jobs on Microsoft Azure data Factory and Microsoft Azure logic Apps
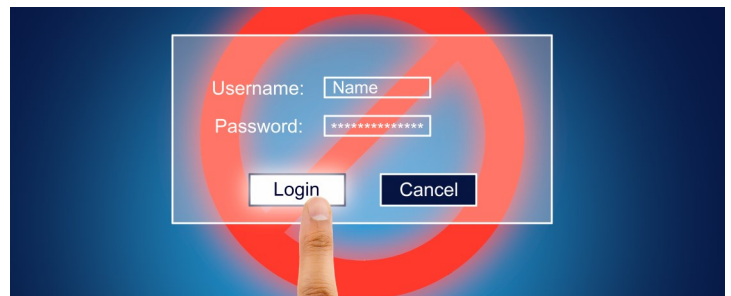
Problem Statement

Azure data factory is complex and enables organizations to combine data and business processes in hybrid data environments. The increase in volume of data leads to delays in monitoring and reacting to issues and organizations want to reduce the risk of data activity failures and the impact it causes to other downstream processes. Manual approaches to the projects are inefficient and time consuming. As a result, organizations want to have automated processes to monitor and manage azure data factory projects to remove inefficiencies and catch issues before they affect the entire system. Organizations can now improve operational productivity by creating alerts on data integration events (success/failure) and proactively monitor with Azure Data Factory.

Hence, keeping in view the problems MOURI Tech has a designed a framework which in case of any integration Jobs failure, triggers notifications so that it can be resolved/monitored and making it reusable to Jobs.

Summary

MOURI Tech's error handling framework, which handles the error/faulted job of Azure data Factory and Azure logic can log error details into blob, create a ServiceNow incident or/and trigger a notification email to respective recipients

MOURI Tech Error Handling Framework
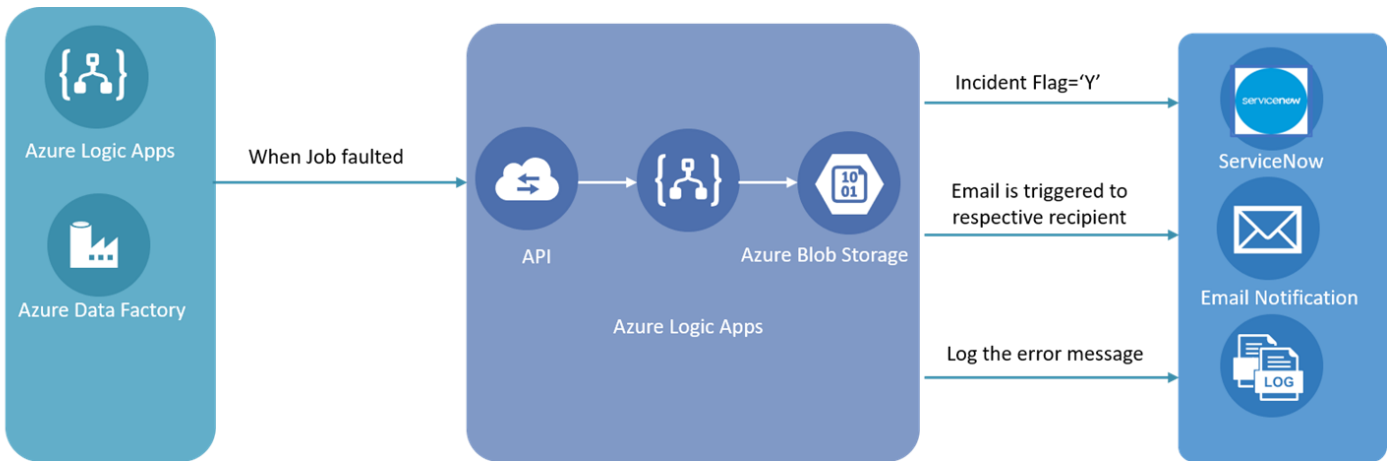
Why Use MOURI Tech's Azure Error Handling Framework?

Our solution handles the faulty jobs on Azure Data factory and Azur logic apps -.

♦   This solution will be based on a plugin functionality where user need to configure a file in blob container.

♦   This file will be handling below details in case of fault:

♦   ServiceNow incident that needs to be created or not

♦   Whether Email should be triggered or not

♦   Who should be the recipient for jobs failure notification? Different job failure notifications might have different recipients

♦   Logging of errors in Blob

Salient Features

♦ This solution is easy to plugin

♦ It can do fault handling for any services. The only requirement is that it should be able to consume REST API and when process is faulted this REST API needs to be called

♦ This solution is tested for services of AZURE LOGIC APPS and AZURE DATA Factory

♦ Easy to change the configuration file residing in Blob.

♦ Error logging is also done by this process which can be used for auditing purpose

♦ Prerequisite

♦ Blob Storage account for having configuration file

♦ Azure Logic apps

Workflow Diagram

About MOURI Tech

Established in year 2005, MOURI Tech has evolved as a trusted global enterprise solution provider to its customers from various industries across the globe, helping them transforming to an intelligent enterprise.

Headquartered in Dallas Texas USA and delivery COE in India, MOURI Tech has offices across five continents. With an employee strength of 3000+ globally, CMMI-DEV/3 certified MOURI Tech has wide range of IT services to cater to digital needs of the businesses of today and tomorrow.

Certifications

CMMIDEV/3℠
Exp. 2022-12-10 / Appraisal #5521

ISO 27001 – ISMS Certified

PCI DSS Certified

AICPA – SOC Certified

Follow Us on: