Financial Crime Management As a Service - Architecture

SEPT 2021

Financial Crime Management – Solution Components

Financial Crime Management As A Service

Customer Experience Layer

CASE MANAGEMENT
Microsoft Dynamics 365

Creates case for each alert and captures the recommendation (close or investigate) from the Machine Learning model

EXPLAINABILITY
ML MODEL & DYNAMICS 365

Highlights the reason behind the Machine Learning model classifying an alert as True or False positive, is captured as "Explainability" on the case

DASHBOARD
Microsoft Power BI

Provides in-sights on the distribution of false positive and suspicious activity across different dimensions like customer demographics like age, source of income, there PEP status, etc.

Intelligence Layer

PYTHON BASED ML MODEL
Microsoft Azure ML STUDIO

Classifies AML alert as True or False positive, in real-time (or in batch-mode)

PROCESS AUTOMATION

Automation of manual processes around case creation, case assignment, data collation for investigation, processing unstructured data, managing inter/intra dept communication, filing of SAR reports

Data Foundation

SINGLE RISK VIEW OF CUSTOMER
MICROSOFT CUSTOMER INSIGHTS

Single Risk View of Customer's KYC data, Account data, Transaction patterns, History of AML alerts, 3rd party sanctions data
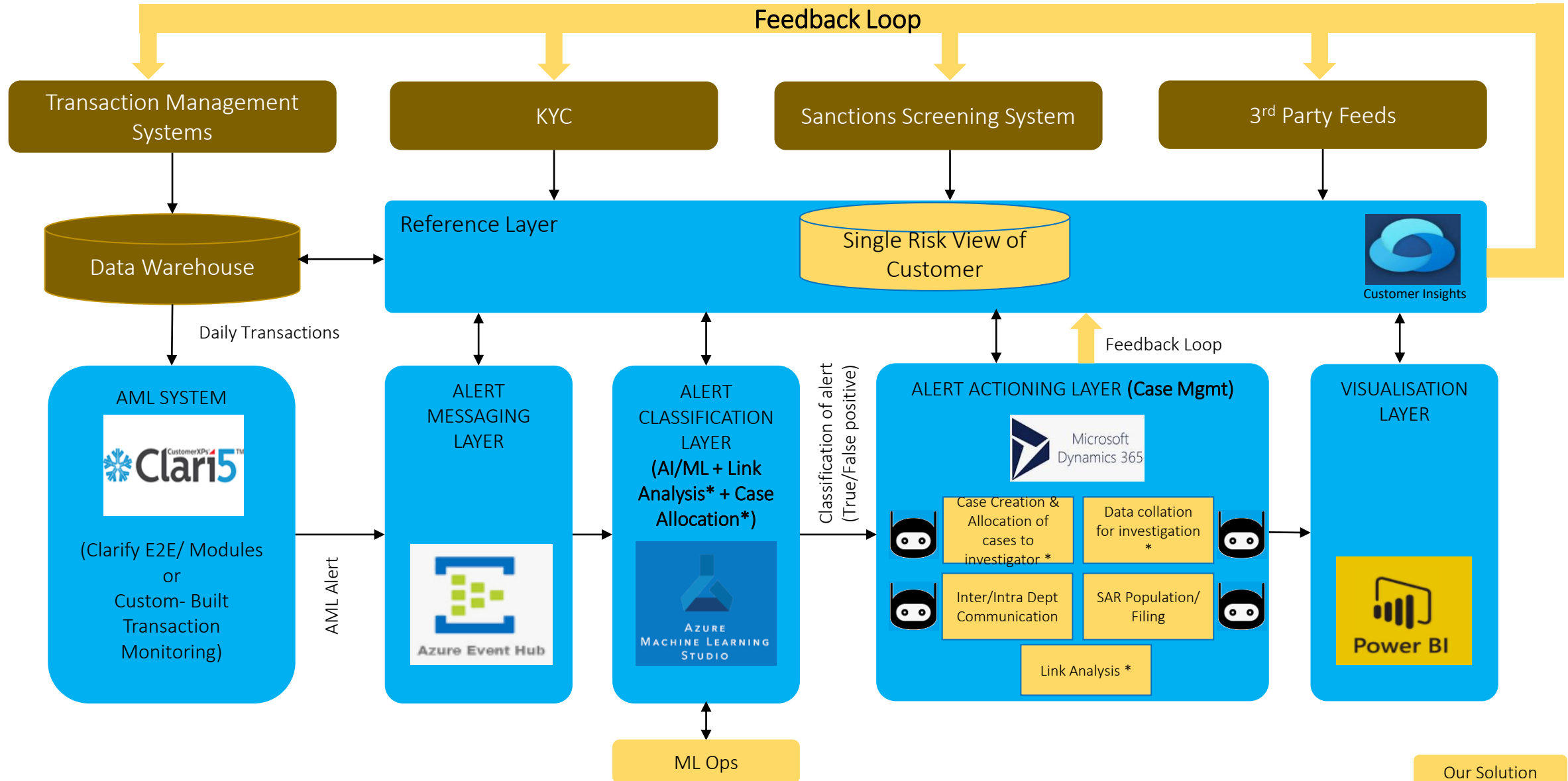
DATA LAKE
Microsoft ADLS (GEN 2)

Capture feeds from KYC System, Core Banking System, AML System, 3rd Party systems, etc.

Transaction Monitoring System

CLARI5 (Partner Capability) / Custom Build System
Real Time Fraud Management & AML Suite

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Financial Crime Management – Technical Architecture

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Financial Crime Management – Technical landscape

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