Cognizant Hawkeye

RCGTH - Industry Solution Group (ISG)

Jan 2022 Edition

Cognizant Hawkeye

HawkEye

Business Challenges

- Retail systems getting more dynamic & complex with **multiple data sources**

- Need to **co-relate data** that is available **across systems**

- Lack of **holistic view** of key metrics - Orders, Inventory, Operational Metrics/KPIs

- Need granular/multi-level **view of data**

- Need quick and intuitive way to **monitor & resolve** issues

- OOB tools in the market have **high TCO (**Licensing Cost**)** & **customization cost**.

Business Ask

- A flexible low TCO platform solution that can be used for data Integration | Interaction | Insights

- Solution that can talk to multiple data sources and present an integrated view.

- A solution that can integrate smoothly into my internal and vendor landscape with minimal intervention & customization

- Flexible enough to be deployed on public/private cloud or within my network

- No Vendor lock-in technologies

Cognizant Hawkeye Solution

- ✓ Bring a variety of data from multiple sources, transform and co-relate to provide a **single unified view**

- ✓ **Easy to Integrate**, **No Vendor Lock-in, Low TCO**

- ✓ *Data-Flow to Data-Interaction* **platform**

- ✓ Identify anomalies, bottlenecks, issues and find **patterns and correlations**

- ✓ Set up business controls, business metrics, alerts and notifications using

- ✓ **Low code platform** to build - easy to use data interactions, forms/screens

- ✓ **Deploy anywhere (cloud or on-premise)**

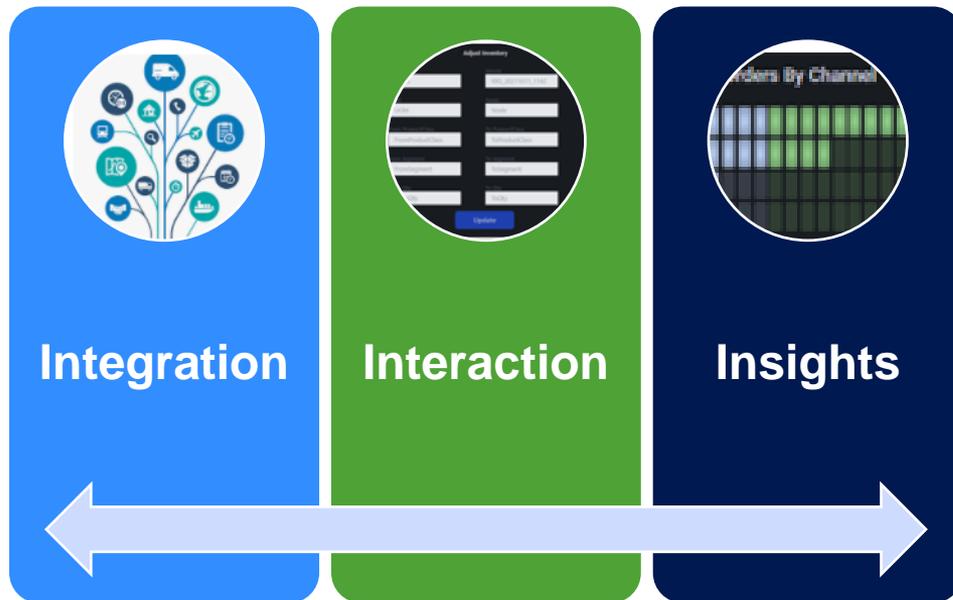- ✓ Future/Advanced Scope: Automated Resolution, Self-Healing, AI/ML based predictive analytics

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HawkEye: Overview & Key Features

Sophisticated-enterprise grade **low code platform**, built using completely open-source technologies, addressing the business and IT challenges for **real-time Integration | Interaction | Insights**
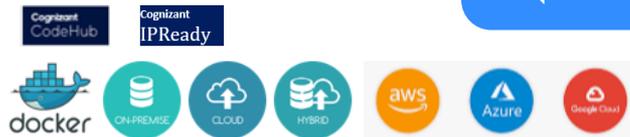
- Read-Transform-Load data from multiple sources using *Hawkeye DataFlow* engine
- Low Code - Workflow approach
- 250+ integration adapters
- Handle huge volumes of data with backpressure techniques
- Security inbuilt
- Data Provenance (Auditing)
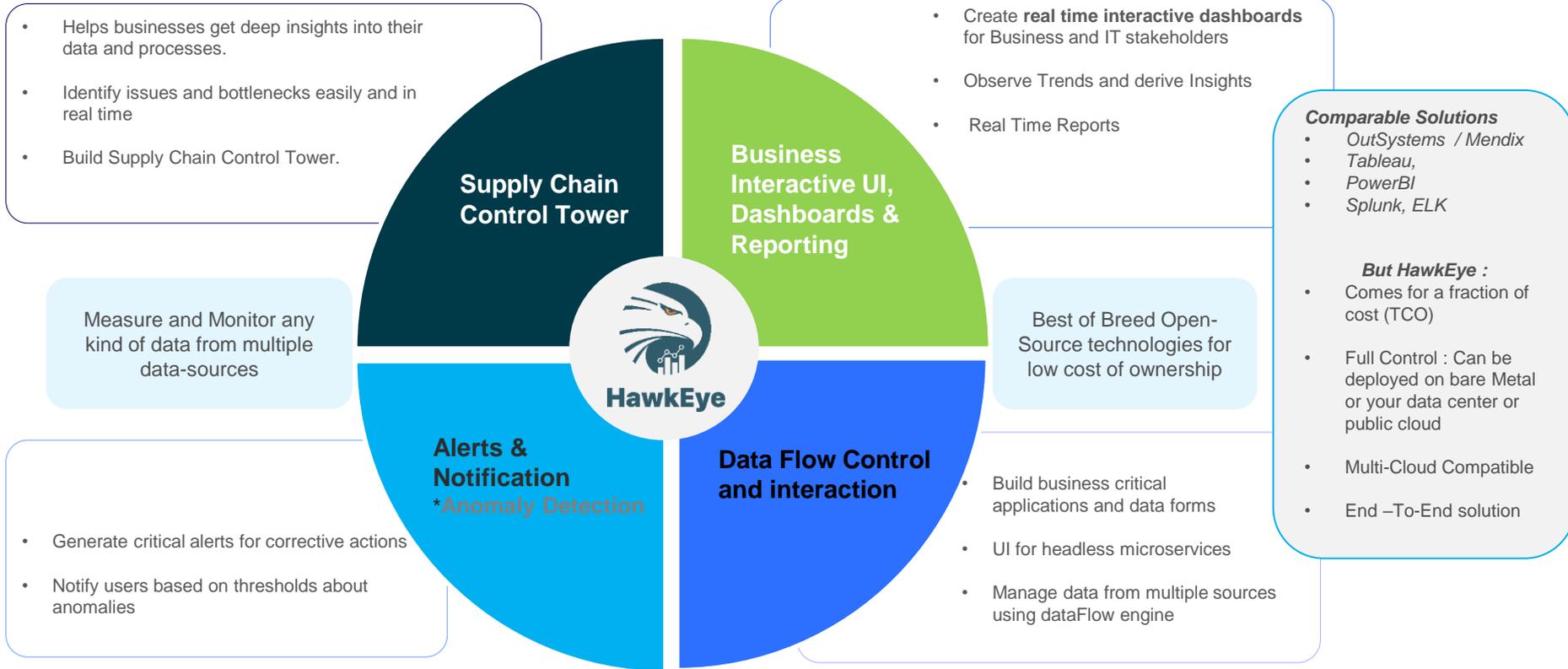
Integration

Interaction

Insights

- Drag-n-Drop Interactive UI to capture and change data elements
- Interactive Dashboards
- Reports
- Response UI-UX
- Alerts & Notifications
- Threshold Monitoring
- 30+ Inbuilt plugins

Future :
- *Self Healing applications*
- *ML based advanced analytics*

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HawkEye: Overview

Helps businesses get deep insights into their data and processes.

Identify issues and bottlenecks easily and in real time

Build Supply Chain Control Tower.

- Create **real time interactive dashboards** for Business and IT stakeholders

- Observe Trends and derive Insights

- Real Time Reports

Supply Chain Control Tower

Business Interactive UI, Dashboards & Reporting

Measure and Monitor any kind of data from multiple data-sources

Best of Breed Open-Source technologies for low cost of ownership

Alerts & Notification
*Anomaly Detection

Data Flow Control and interaction

- Generate critical alerts for corrective actions

- Notify users based on thresholds about anomalies

- Build business critical applications and data forms

- UI for headless microservices

- Manage data from multiple sources using dataFlow engine

Comparable Solutions
- *OutSystems / Mendix*
- *Tableau,*
- *PowerBI*
- *Splunk, ELK*

But HawkEye :
- Comes for a fraction of cost (TCO)

- Full Control : Can be deployed on bare Metal or your data center or public cloud

- Multi-Cloud Compatible

- End –To-End solution

Integrations | Interactions | Insights

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Opportunity and Innovation…

What are customers looking for?

- Quick to implement orchestration platform

- Easy Skill-Set adaptability for business operations

- Open source and No vendor lock-in

- Bootstrap product engineering and processes

- End-2-End workflow engine

- Wide variety of Use cases

What is the Innovation Opportunity

- A Cohesive Integration, Interaction and Insights based low TCO platform

- Seamless Partner Integration

- Choice of On-Prem vs On-Cloud and Multi-Cloud deployment options

- Address SaaS Vendor Challenges of platform in-flexibility, Data Control, Cost, Lock-In etc.

- Capture upstream consulting, Platform Services and downstream revenue opportunities

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Thank You