



Eagle Eye: Data Observability Platform

AI-Driven Monitoring, Anomaly Detection for Intelligent Data Assurance

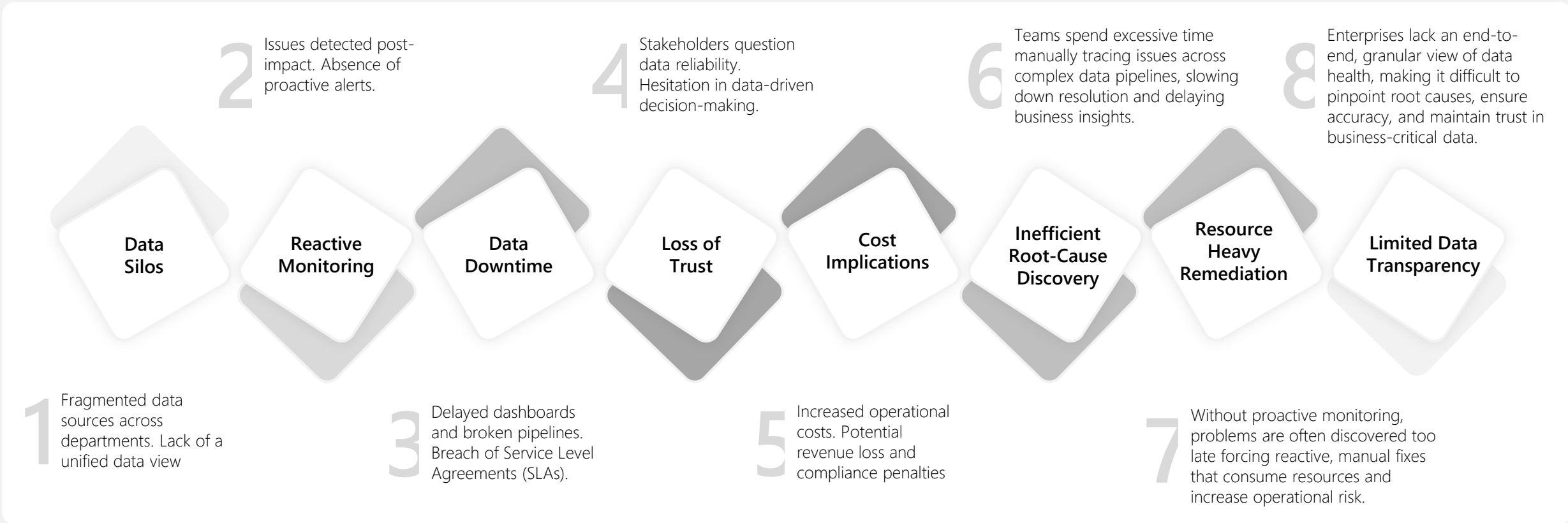


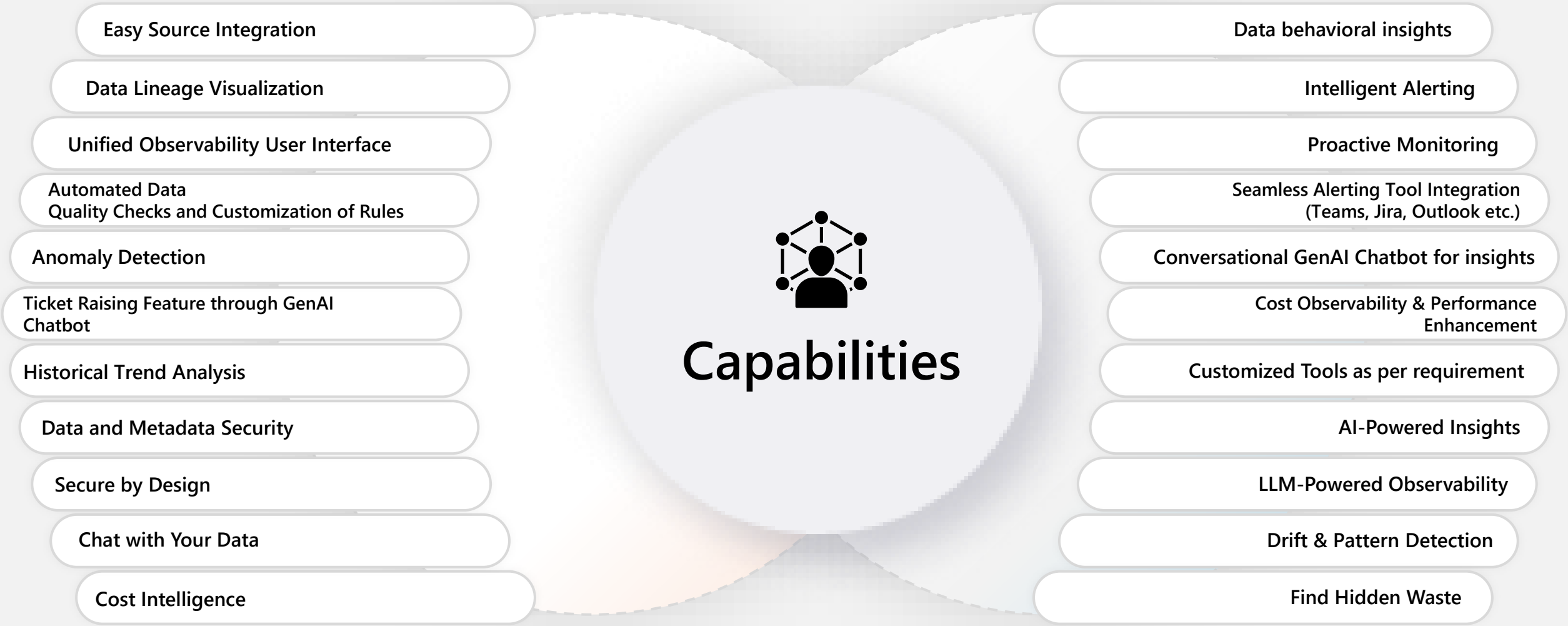
Comprehensive Observability Across All Layers

Layer	Capabilities
User Interface (App)	Customizable User Interface, User Isolation, Feedback & Continuous UI
Data & Platform Observability	Live Monitoring, Real-Time automated Alerting, Automated Data Quality Rule Recommendation, Policy & Rule Repository, Lineage
Agentic AI and ML	Forecasting, Pattern & Drift Detection, Anomaly Baselines, Chatbot, Root Cause Analysis, Auto Ticketing, User-Centric Outcomes, Decision & reasoning quality, Policy Violation
BI & Analytics Layer (Power BI Dashboards)	Anomaly Trends, Data Quality Reports, Audit & Governance Dashboard, Cost Observability Dashboard

Why Data Observability Can't Be An Afterthought

Most data teams identify data issues only after they've disrupted business operations, often due to lack of real-time monitoring and early warning systems.





Custom and Source Sync Enhancements in Eagle Eye



Custom Business Rules

Enabled Custom rule configuration to trigger alerts based on alterations in specific column value, empowering proactive anomaly detection and faster incident response.



Real Time Source Sync

Integrated card-level actions that automatically update the source when record-level issues are detected, with email notifications delivered in structured card format for better traceability and resolution.

Critical Data Anomaly: In **Customer_Master_Data**, the actual duplicate count of **2** exceeds the expected **0**, indicating a potential **data ingestion or processing issue** that may impact **downstream analysis and decision-making**.
 RQ Next Step: Investigate **data ingestion** and **processing workflows** to identify and fix the root cause of the duplicate surge.

Source Name

Azure

Catalog Name

eagleeye-uc

Schema Name

demo_data

Column Name

Null

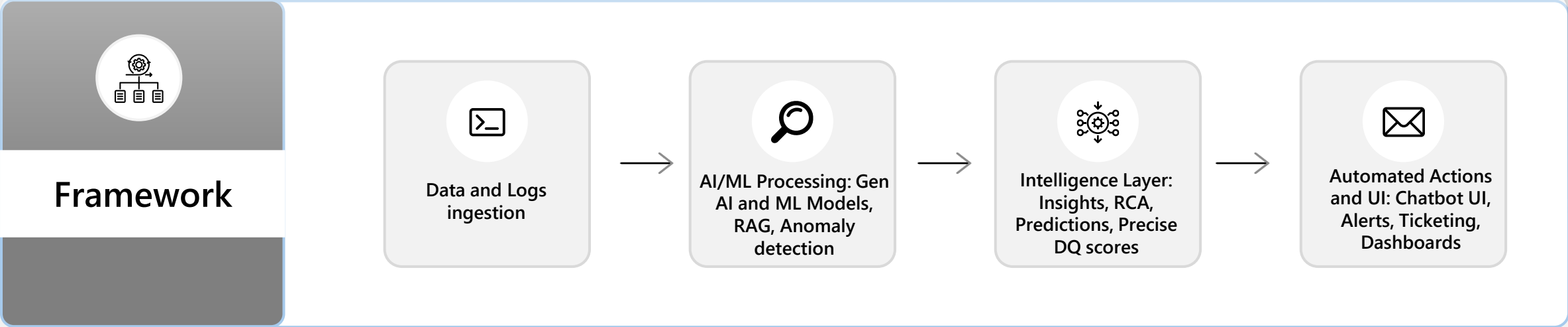
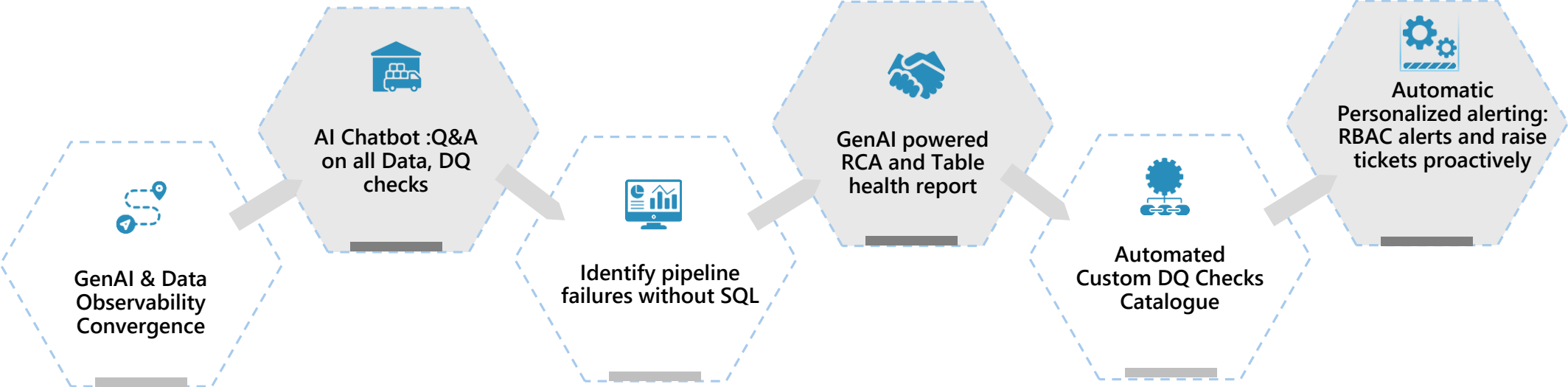
Measure Name

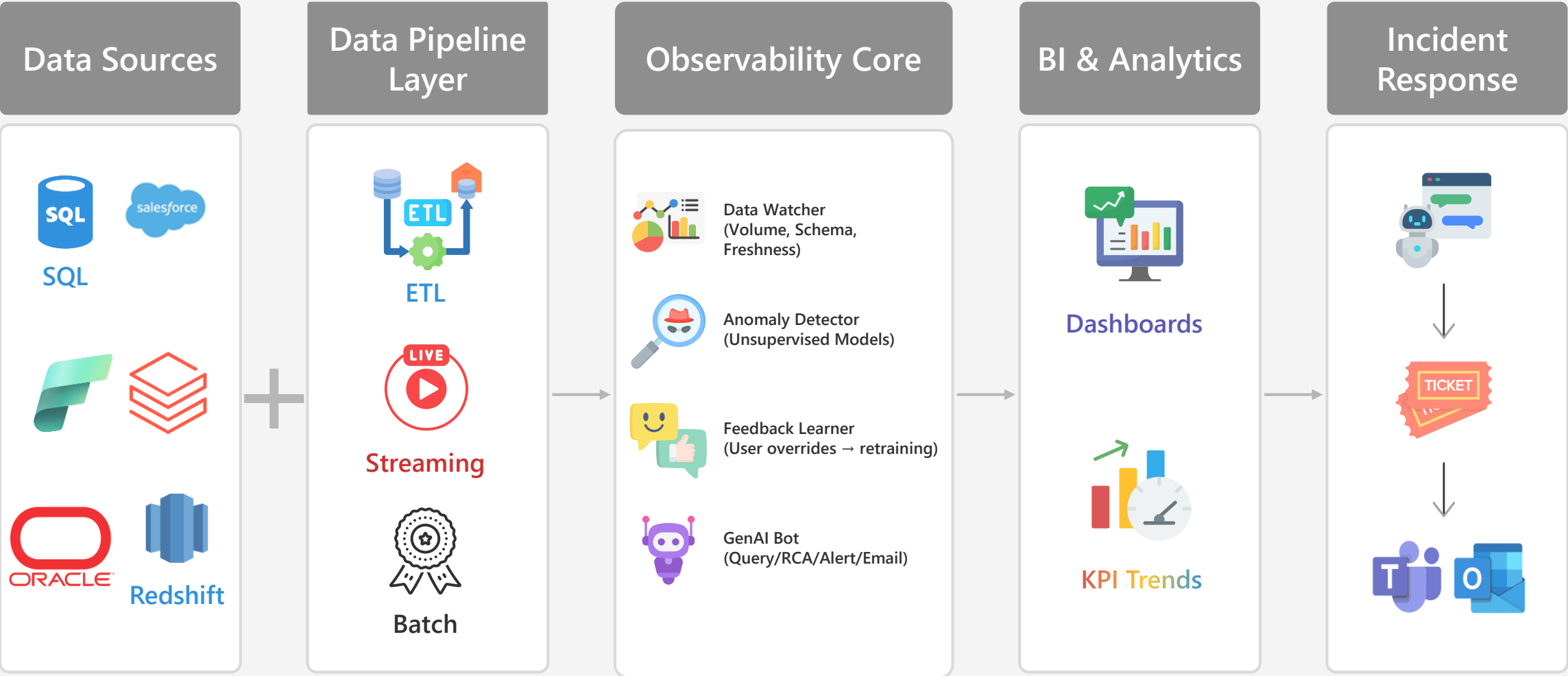
Duplicates

CI	200	Customer	0000000006
Cty2	IN	Name 13	Kushwaha
Name 24	Rajat 1	City5	Noida
Postalcode	201301	Rg	04
Searchterm	RK	Address	0000025141
Name 114	KUSHWAHA	Name 215	RAJAT 1
City16	NOIDA	lin 1	0
lin 2	0	Check Digit	0
Date	7/14/2022	Created By	ADGUPTA
Group35	DEBI	Language	E
Sales	0.00	lin77	0
Employees	0	lin80	0
Annual Sales	0.00	Status Of Data Transfer To Next Release	X
Ha	0	Conf Time	12:00:00 AM
Ric Number	0	Legal Nature	0
Max Height	0.000	No Intpal	0
Spref	0	F/b	0
Obsolete Last Changed On Do Not Use	10/24/2024	Obsolete Changed By The User Do Not	ABHIJEET
Wbs Elem	0	Hrs/mth	0.00
Hrs/day	0.00	Days/mth	0.00
Complete Mth	0	Mup	0
Rnaur	0	Suu	0
Count	2		

Submit

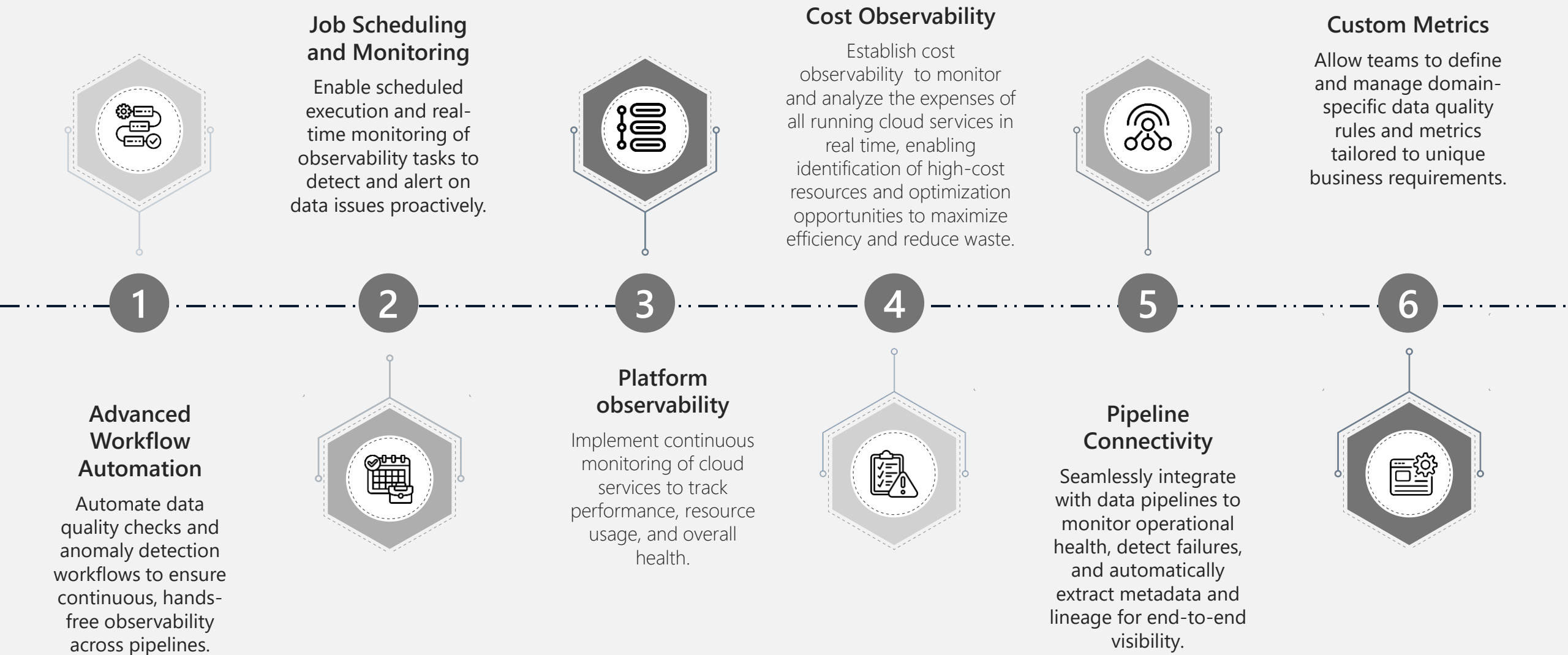
Forward





Metric	Before Eagle Eye	After Eagle Eye
MTTD (Mean Time to Detect)	6 hrs	5 mins
RCA Turnaround	3-4 days	1 hour
False Alerts	Frequent	Reduced via feedback learning
Productivity Gain	Manual	~90% Auto-detection
Trust in Reports	Low	High Confidence with DQ





Why Data Observability Matters


- Rising data complexity in distributed systems
- Demand for real-time, high-quality insights
- Increasing regulatory compliance requirements
- Critical for AI/ML success and business agility

Growth Drivers


 Data Explosion

 AI Adoption

 Regulatory Pressures

 Ecosystem Complexity

Target Sectors


 BFSI

 Telecom

 Retail

 Manufacturing

 Government,
Energy

 Healthcare

Scenarios

Challenges

A small glitch in the inventory pipeline went unnoticed.

Retail

Result: Out-of-stock reports didn't update, stores missed replenishments, and sales dropped.

A KYC image failed to upload during onboarding.

Banking

Result: The process stalled, delaying activation and damaging user trust.

Undetected API latency disrupted data flow.

Telecom

Result: Dashboards showed outdated KPIs, leading to poor executive decisions.

Duplicate patient IDs went undetected.

Healthcare

Result: This caused compliance issues and treatment confusion.

Campaign metrics failed to sync.

E-commerce

Result: Marketers misread results, missed targets, and churn increased.

A global e-commerce company faced revenue loss during flash sales due to data pipeline delays, causing incorrect inventory display, delayed order processing, inaccurate dashboards, and customer trust issues from false “Out of Stock” errors.



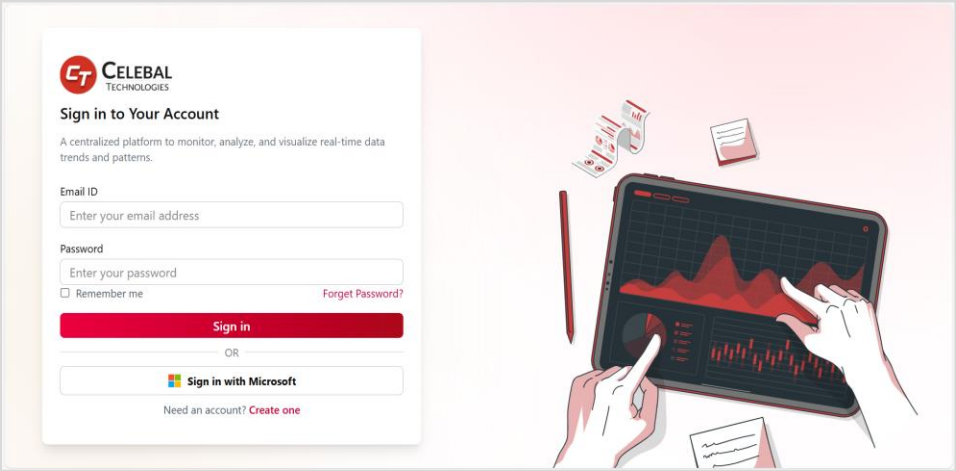
Solution

- **Real-Time Data Quality:** Monitored freshness, schema drift, and anomalies with profiling data quality on table and column level.
- **Metadata Synchronization and Historical Pattern Analysis:** Learns from past metadata to detect outliers and anomalies in the data.
- **Smart Alert Triggers:** Eagle Eye sent contextual alerts and remediation actions to the right teams using Jira, Microsoft Teams, Outlook and Azure DevOps.

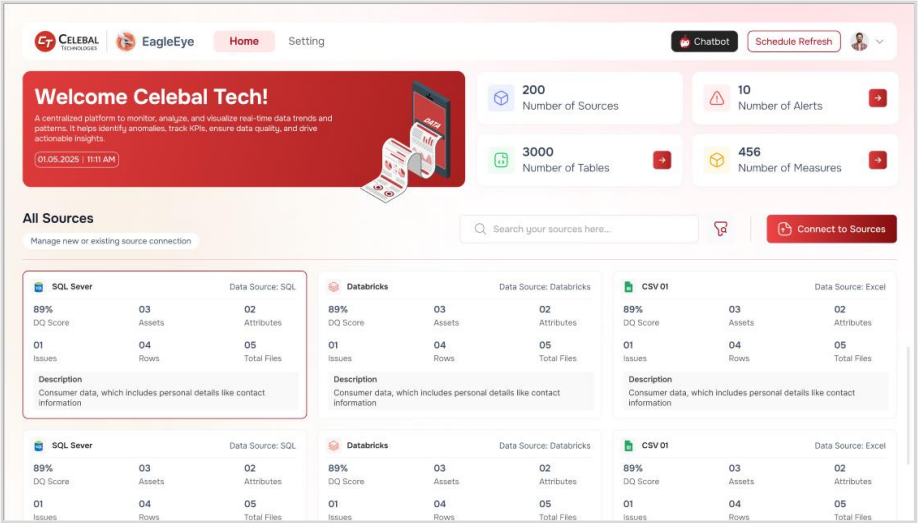
Outcome

- Implemented solutions led to a **43%** reduction in revenue-impacting data issues
- **70%** faster incident resolution, while real-time visibility boosted confidence among sales and marketing team
- Ultimately helping avoid nearly **30%** reduction cost during the next promotional campaign.

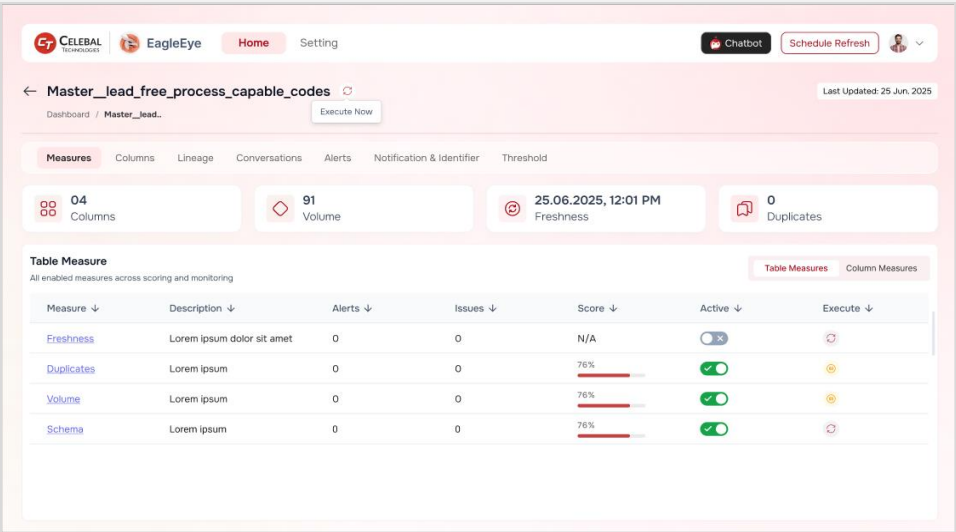
Sign In Page



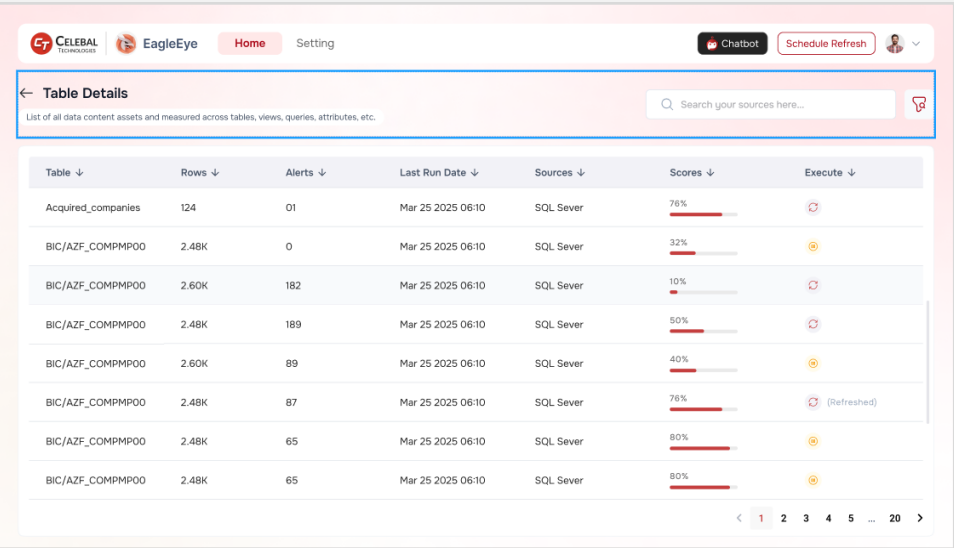
Home Page



Global Checks



Details Page





With Eagle Eye, Data-driven decision-making shouldn't be impossible

A proactive, intelligent Data Observability layer helps unlock trust, speed, and insights

With AI/ML and Generative AI, Data Observability is no longer about just watching data - it's about truly understanding it

THANK YOU

Let's Discuss How to Enable EagleEye in Your Environment
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