Solution Brief

Data Aggregation and Harmonization

Market challenges abound for organizations struggling with fragmented data. Information resides in disparate locations – file servers, object storage, data lakes – often with varying formats and structures. This fragmented data landscape creates a significant hurdle: it hinders effective analysis, reporting, and ultimately, informed decision-making. Additionally, inconsistencies across data sets can lead to inaccurate insights and impede data governance efforts.

Three key challenges necessitate a data aggregation and harmonization solution:

- **The Silo Stranglehold:** Fragmented data stored across disparate systems creates significant challenges for data access, analysis, and utilization. Organizations need solutions that can seamlessly collect data from diverse sources and bring it together in a centralized location.

- **The Inconsistency Impasse:** Inconsistent data formats and structures lead to inaccurate insights and hinder effective data governance. Organizations need solutions that can transform data into a unified format, ensuring consistency for analysis and reporting.

- **The Actionable Insights Abyss:** Fragmented and inconsistent data makes it difficult to derive actionable insights. Organizations need solutions that can facilitate comprehensive data analysis and eliminate challenges arising from data silos and inconsistencies.

40%
of business-critical data is trapped in silos
(Experian).

In an age of ever-expanding data volumes and complex data environments, can organizations simply throw more resources at the problem? Isn't a more strategic approach necessary – one that combines data aggregation with intelligent data transformation to unify your data landscape and empower data-driven decision making?

This is where Zubin steps in.

Zubin is Data Dynamics' AI-powered self-service data management software, bringing a fresh approach to privacy, security, compliance, governance and optimization in the world of AI-led workloads. It empowers enterprises by enabling users across all levels - from C-suite to data owners - to discover, define, act, transform, and audit data through a user-friendly interface. Zubin brings correlation, consistency and standardization across your organization by delivering granular insights, deriving recommended workflows, and automating actions using personalized policies and RBAC-driven processes. This transformation fosters a culture of data ownership, where everyone becomes a data champion, and the organization fulfills its responsibility as a data custodian.

Zubin tackles data fragmentation challenges through its data aggregation and harmonization functionality. By unifying your data landscape, Zubin empowers organizations to break down data silos, ensure data consistency, identify sensitive data, proactively monitor data usage, and empower data owners – all to gain actionable insights and drive data-driven decision making.

Unifying Your Data Landscape

- **Data Aggregation Across Diverse Sources**
  Zubin seamlessly integrates with various data stores (file servers, object storage, data lakes) to collect data from across your IT infrastructure. This ensures a comprehensive view of all your data, regardless of its location.

- **Metadata Discovery and Analysis**
  Zubin utilizes advanced metadata analytics to discover and analyze the characteristics of your data. This allows for a deeper understanding of data types, formats, and lineage.

- **Content Analytics for Sensitive Data Identification**
  Zubin leverages AI and Machine Learning (ML) powered content analytics to identify and classify business-sensitive data (e.g., PII, PHI). This facilitates data governance and compliance efforts.

Transforming Data for Consistency

- **Data Mapping and Schema Management**
  Zubin provides tools to map and transform data from disparate sources into a unified format. This ensures consistent data structures and enables seamless data integration for analysis.

- **Data Classification and Tagging**
  Zubin facilitates data classification and tagging based on pre-defined criteria (e.g., data type, sensitivity, retention requirements). This improves data searchability, organization, and facilitates data governance policies.

- **Statistical Sampling for Efficient Analysis**
  Zubin utilizes advanced sampling methodologies to select representative subsets of data for analysis. This ensures efficient data exploration while maintaining accuracy.

Empowering Actionable Insights

- **Actionable Risk Insights**
  Zubin leverages multi-level logical expressions and operators to analyze data and identify potential risks associated with data quality and inconsistencies. This allows for proactive data governance measures.

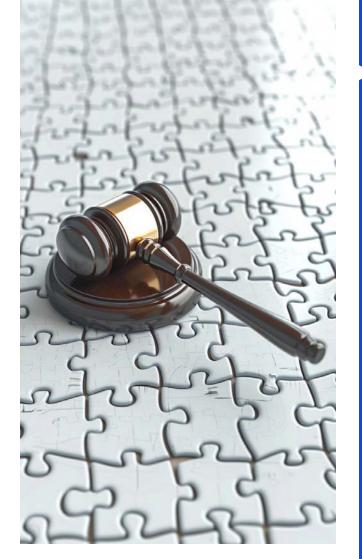- **Data Lineage and Root Cause Analysis**
  Zubin utilizes machine learning to track data lineage and identify the root causes of data quality issues. This empowers data owners and analysts to ensure data accuracy and reliability for downstream analytics.

- **Data Observability and Monitoring**
  Zubin continuously monitors data usage within pipelines to detect anomalies and identify potential issues with data quality. This proactive approach ensures data integrity and facilitates informed decision-making.

Click here for a demo

What's in it for you?

Break Down Silos, Gain Insights

Studies show siloed data reduces analytics value by 30%. Zubin aggregates data from file servers, databases, and cloud storage, creating a unified view for comprehensive analysis and eliminating fragmentation challenges.

Ensure Consistency, Drive Accuracy

Data inconsistencies plague 40% of BI initiatives. Zubin utilizes data mapping and schema management to ensure consistent formats across your organization, eliminating inaccuracies and facilitating seamless data integration.

Identify Sensitive Data, Prioritize Protection

Advanced data discovery solutions reduce data breach remediation times by 20%. Zubin leverages AI to automatically classify sensitive data (PII), empowering you to prioritize data protection, ensure compliance, and minimize security risks.

Proactive Monitoring, Informed Decisions

Proactive data monitoring improves data-driven decision-making efficiency by 15%. Zubin continuously monitors data usage to detect anomalies and identify potential data quality issues, ensuring data integrity and enabling informed decisions.

Empower Data Owners, Enhance Quality

Data governance with data ownership increases data quality initiatives by 20%. Zubin facilitates role-based access control (RBAC) and automated data workflows based on your policies, empowering data owners and ensuring accountability for quality and compliance.

Enhanced Data Governance and Compliance

- **Data Retention Compliance**
  Zubin automates data retention policies by analyzing metadata and identifying data nearing its expiration date. This ensures timely action based on the defined retention policy (archive or delete) and facilitates compliance with data privacy regulations.

- **Data Policy Creation and Workflow Automation**
  Zubin utilizes generative AI to create personalized data workflows based on your corporate governance and compliance policies. This automates data handling processes and ensures consistent data governance practices across the organization.

- **Data Ownership and Accountability**
  Zubin facilitates role-based access control (RBAC) down to the data owner level. This empowers data owners with control over their data and ensures accountability for data quality and governance.

Your next chapter of success awaits; let's write it together with Zubin. **Click here for a demo**