

The Needs

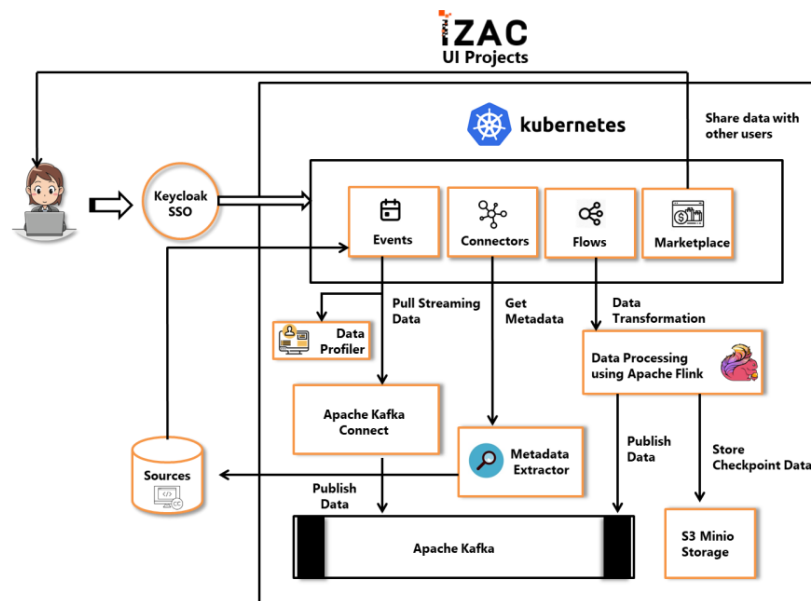
One of the main objectives in modern data management is to ensure that data is accessible when and where it's required.

However, this accessibility comes with its own set of challenges, as the unintended exposure of sensitive data can harm an organization. In addition to that, traditional data exchange methods can be time-consuming, complex, and susceptible to errors.

To avoid this, data governance and privacy policies and procedures are implemented. These measures, nevertheless, may impede business operations and slow down the process. This issue can be resolved by combining robust data architecture with an automated data governance framework and to provide a revolutionary solution for automating data sharing.

With this solution, businesses can securely and easily exchange data between their internal systems and those of their partners and customers, all through a centralized platform. This not only streamlines data exchange processes, but also ensures data accuracy, security, and privacy, helping businesses unlock the full potential of their data.

Solution Architecture









The need for secure, efficient, and reliable data exchange has never been greater, and that's where IZAC comes in. Built on modern architecture, Whiteklay's IZAC provides a comprehensive integrated data exchange platform which can help in easy and reliable exchange of data. IZAC extracts the data from multiple sources, stores it in a standardised format and makes it available for various consumers to read from it. Customer quote: "Data has a very short shelf life and its imperative for the business processes, initiatives, and other activities to tap into data as soon as possible."

Companies need to develop data management strategies that focus on generating business– ready and business– usable data. Whiteklay's IT was able to break down all data silos and helped business and IZAC teams to have a better collaboration, thus helping businesses meet its growing dynamic needs.

With IZAC, businesses can streamline their data exchange processes, increase data accuracy and reliability, and improve overall data management efficiency.

Key Capabilities

<p>Data Extraction </p> <ul style="list-style-type: none"> Connectors for structured source Log Data Source Connexions Connectors of Social Data Change Data Capture View Data Pipelines Persistent Data Store Policy-Based Data Retention 	<p>Data Transformation </p> <ul style="list-style-type: none"> Workflow Building Data Lineage Script window to write manual codes Multiple user collaboration on a single window 	<p>Data Sharing </p> <ul style="list-style-type: none"> Data Sharing across multiple members is possible Restrict access to roles Subscribe to data sets published by others Data can be published to any external database
<p>User Access and Role Management </p> <ul style="list-style-type: none"> Define access roles for a data exchange system Create an organizational hierarchy for the data asset approval process Restrict and valid user access 	<p>Data Marketplace </p> <ul style="list-style-type: none"> Explore the features associated with data assets Subscribe to data assets available Real-time published data 	<p>Enriching Data Warehouse </p> <ul style="list-style-type: none"> Perform real-time data aggregations on large amounts of data.

Benefits

Ease of exchange

Data Exchange platform enables users to seamlessly access the latest data generated from multiple sources. Moreover, it eliminates the process of manual data entry and re-entry into multiple systems.

Data Standardization

IZAC Data Exchange platform collects data from many sources, having many formats and then convert into single standardized format. This eliminates the effort required by IT to develop different codes and processes for different sources.

Scalability and Durability

IZAC is built on top of open source technologies like Apache Kafka and Apache Hadoop, is highly scalable and durable system which is fault tolerant and highly reliable.

Increased Flexibility

IZAC through its vast library of connectors provides a flexible way to extract information from various complex data sources. It also provides connectors to publish/ push data to multiple databases so that consumers can model and store data based on their application or business needs.

Monitor and Manage Data Assets

IZAC enables organization to maintain high quality of data by checking it at the time of creation. New incoming data could be checked against predefined rules. In this way, organizations save a lot of time and money in managing and cleaning the data.

Conclusion

Open Source

IZAC is built by using open source technologies which makes it an ideal choice for Organizations, which are looking to get a High Quality, economical tool without the foundation of proprietary software.

Security

IZAC supports the best tools and techniques for authorization, authentication and encryption to the security of data. All data is encrypted before storing and only authorized persons can have access to data.

To learn more about the product features, please visit:

<https://www.youtube.com/watch?v=XmYurjD2-Kw&t=1s>

IZAC is a highly secure and effective data exchange platform which enables data economy. A data economy is a global digital ecosystem in which data is gathered organized and exchanged by a network of vendors for the purpose of deriving value from the accumulated information.

LEARN MORE AT:

<https://www.izacdata.io/>