



CYBER & SECURITY SOLUTIONS

DATA PLATFORM SOLUTIONS

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IMPLEMENTING THE NEEDS OF MISSION-CRITICAL DATA, EMPOWERING DATA DRIVEN DECISIONS TO EXPLOIT FUTURE TECHNOLOGY

Data2Value is an end-to-end digital solution, designed to automate and streamline data governance, data ingest and big data processing, interacting seamlessly with third-party applications. Platform agnostic and flexible in its supportability, Data2value includes an AI/ML module powered by MLflow and Jupyter Notebooks, providing a robust platform for machine learning model development and deployment.

Data2Value leverages Infrastructure as Code (IaC) techniques and is built with containerised microservices, enabling flexibility in terms of scalability but also in its deployability across all classifications. Customers can choose to install the entire platform or select only the modules aligned to their needs, ensuring guaranteed value from their data regardless of budget.

Security has been a key consideration throughout the design process and Secure by Design upon integration, the data governance model powered by Datahub that allows granular access control down to individual data unit.

KEY FEATURES

- **Platform Agnostic:** Data2Value is platform-agnostic data platform, capable of deployment on any cloud or on-premises environment using Infrastructure as Code (IaC) techniques.
- **AI/ML Module:** Powered by MLflow and Jupyter Notebooks, this module provides a robust platform for developing, deploying, and managing machine learning models, accelerating AI initiatives.
- **Data Governance Module:** Powered by Datahub, this module ensures the quality, consistency, usability, security, and availability of data. A framework for data management and implementation of data policies, procedures, and standards, enabling granular access control down to individual data bits.
- **Big Data Module:** Leveraging Spark, this module allows for efficient processing and analysis of large, complex data sets, enabling real-time analytics and insights.
- **API Gateway:** Powered by KONG, our API Gateway facilitates secure and efficient communication with third-

party applications, enhancing interoperability and data exchange.

- **SPOOQ Integration:** Data2Value is integrated with SPOOQ, providing a reliable framework for Extract, Transform, Load (ETL) processes.
- **MINIO Integration:** With MINIO integration, Data2Value offers scalable, high-performance object storage for structured and unstructured data.
- **Node-RED:** Node-RED allows customers to create their own data products without the need for coding expertise, enabling greater insights from their data.
- **Apache Kafka:** All data transportation is handled by Apache Kafka, ensuring efficient and reliable data transfer

BENEFITS

- **Flexible:** Platform agnostic with IaC techniques allows for flexible deployment on any cloud or on-premises environment.
- **Modular Design:** The microservice infrastructure allows customers to choose the modules they need, ensuring value for money, regardless of budget.
- **Improved Data Quality:** Our data governance module helps maintain high data quality, leading to more accurate analytics and decision-making.
- **Efficient Data Processing:** The Big Data module enables fast processing of large data sets, providing real-time insights.
- **Seamless Integration:** The API Gateway ensures smooth interaction with third-party applications, enhancing data exchange and collaboration.
- **Efficient ETL Processes:** SPOOQ integration provides a reliable framework for efficient ETL processes.

TECHNICAL SPECIFICATION

- **Data Capacity:** Handles petabytes of data with ease.
- **Speed:** Real-time processing and analytics.
- **Integrations:** Seamless integration with SPOOQ, Spark, MINIO, MLflow, Jupyter, Node-RED, KONG, and Apache Kafka.



USE CASES

- **Data Integration:** Data2value can be used to integrate data from various sources and provide a unified view of the data. This can be beneficial for businesses that deal with data from multiple sources and need a single platform to manage it all.
- **Data Governance:** Data2value can be used to implement data governance policies and procedures. This can help businesses ensure the quality, consistency, usability, security, and availability of their data.
- **Data Analysis:** Data2value can be used to analyse data and generate insights. This can help businesses make data-driven decisions or aid overloaded operators make data supported conclusions.
- **Data Lake housing:** Data2value can be used for storing and querying large datasets for analytical and reporting purposes. This can be beneficial for businesses that need to analyse large amounts of data to make informed decisions.
- **Data Analytics:** Data2value can be used to perform complex data analytics and generate insights from large volumes of data. This can help businesses understand trends, patterns, and derive meaningful insights from their data.
- **Session Transactions and Data Storage:** Data2value can handle session data present in enormous amounts of business settings. It ensures data is maintained up to date and fresh, which is crucial for businesses that need real-time data for decision-making.

COMPETITIVE PRICING

Data2Value offers market-leading features at a very competitive cost. Fully supported by the Leandro Cyber and Security UK team, ensuring seamless service and support. Pricing can be tailored toward your organisations needs to ensure price efficiency.

Data2Value is the next-generation data mesh, modular and adaptable, capable of providing individual integrated products for specific requirements across all classifications in all environments

Enhancing your analytical performance, integrating, and optimising data resources, improving response times in data processing, and maximising the capabilities of your data engineers.

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