bluemetrix
the data control company

Data Pipeline Portability with BDM

Ingestion | Governance | Scheme Evolution | Masking | Tokenization | Transformations | Validations | Compliance

Automated data operations, orchestration & scheduling platform that manage engineering workflow

DATA PIPELINE PORTABILITY & INDEPENDENCE
Easily Port your data and pipelines across multiple infrastructure and storage options.

PROCESSING STANDARDISATION & CONTROL
Apply transparency and control to your data processing activities with full lineage promoting data trust

FREEDOM FROM VENDOR LOCK-IN
Taking back control of your processing reduces risk of lock-in.

END-TO-END PROCESS VISUALISATION
Full visualisation of all data activities

BUILT IN TRACEABILITY & LINEAGE
Prebuilt data traceability, tagging and lineage reporting capabilities for data policy adherence

CHALLENGES

Data Portability is a consistent challenge for most organisations. The inability to port data and data pipelines between storage and infrastructure vendors limits the choices and agility opportunities for the organisation to make strategic data decisions.

Migrating to the cloud to take advantage of cost reduction and agility can soon be eroded due to vendor lock. There is also addition complexity for most organisations in maintaining and managing their data and pipelines in a hybrid architecture.

In this case, vendor lock-in does not refer to the infrastructure and storage layers. It is more prevalent at the data processing layer when using native infrastructure processing services from your cloud vendors.

The lift and shift of data is one thing. However, the lift and shift of the data pipelines and processes is an entirely different matter. This is where BDM thrives.

Processing your data independently is the most effective way to develop a data pipeline portability strategy.
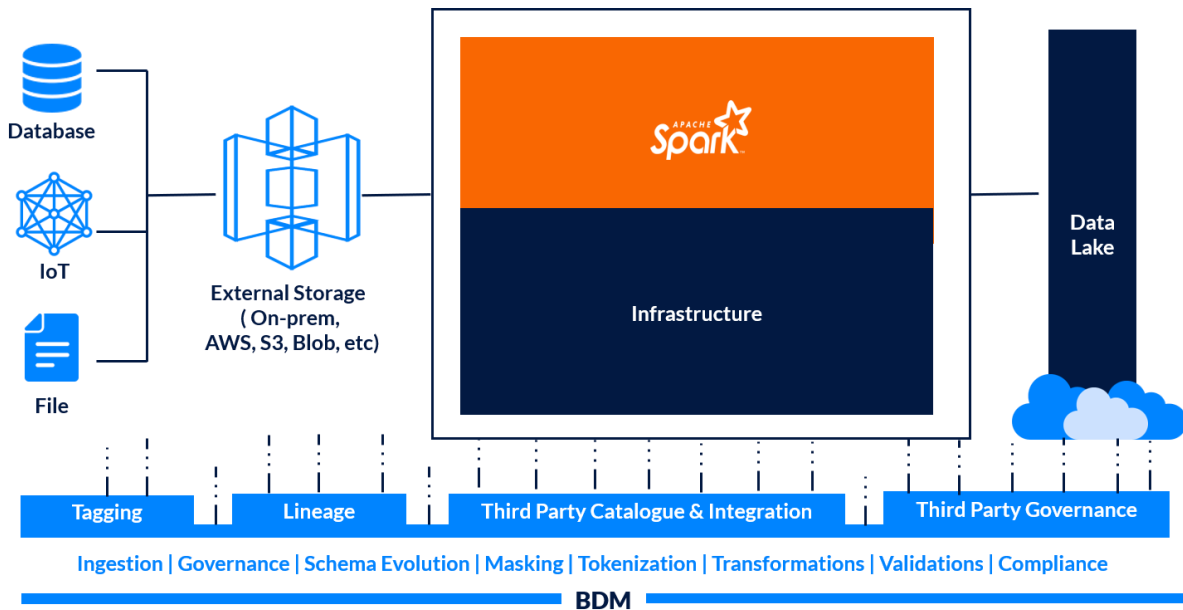
THE SOLUTION

Bluemetrix Control solves this challenge by abstracting the data processing layer of your infrastructure providing interoperability capabilities. BDM sits on your spark cluster as a processing and data control gateway enabling autonomous processing regardless of storage and infrastructure.

Our approach provides a single view of processing activities across all environments regardless of location or infrastructure.

Processing your data and data pipelines independently of your storage and infrastructure layer removes the vendor lock in concern.

This gives enterprises the ability to choose where to store their data and more easily manage data across their complex environments; on prem, cloud, multi cloud or hybrid.

REFERENCE ARCHITECTURE: HOW DOES BDM FIT IN TYPICAL LAYER?

Database

IoT

File

External Storage
(On-prem,
AWS, S3, Blob, etc)

Infrastructure

Data
Lake

Tagging   Lineage   Third Party Catalogue & Integration   Third Party Governance

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BDM

This is where BDM sits on when ingesting structured and unstructured data to external storage and a data lake to end-user.

THE OPPORTUNITY

Enterprises can now move to the cloud or between clouds in a controlled manner, making the right cloud choice for the right workload.

The ability to process your data and pipelines in a standard process across all your environments puts the control, management and portability back in the hands of your Data Operations teams.

Bluemetrix Data Manager Control

Automatically create, secure, manage, and deploy your data pipelines in a single application for all data initiatives

Get the details >

ABOUT BLUEMETRIX

Bluemetrix has been working with Hadoop since 2009 and have experience in all areas of the Stack – Architecture, Infrastructure, Security, Application Development, Deployment, Operations and Data Science. We are leaders in developing and deploying innovative solutions to deal with problems on the Hadoop Stack, with a focus on developing real-world automation solutions that removes the need for Hadoop expertise. We guarantee delivery on all Hadoop projects we undertake.

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