

DATA GOVERNANCE PROCEDURES AUTOMATION

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

Evidence your Data Governance Policies are being adhered to & protect against breach risk

RISK MITIGATION AND SECURE DATA

Manage risk more proactively through automation and avoid potential data breaches

BUILD ROBUST DATA SECURITY

Enables efficient and scalable protection with different masking and tokenization choices available

EFFICIENTLY MINIMISE COMPLIANCE SCOPE & COST

Reduce sensitive data exposure while maintaining industry standard compliance, such as HIPAA, PCI DSS, GDPR, etc

AUTOMATED GOVERNANCE PLATFORM INTEGRATION OUT OF THE BOX

Minimise data security staff training and overheads with a common platform used for all data security applications

BUILT IN TRACEABILITY & LINEAGE

Prebuilt data traceability, tagging and lineage reporting capabilities for data policy adherence at all steps of the process

THE CHALLENGE

Governance and Compliance are difficult to enforce in any environment, and even more difficult to enforce in a Data Lake which has many moving parts where users can interact with the data. Traditional systems and manual enforcement required all users to record the lineage, ensuring they were recording and updating their most recent activity.

This required that all users have the technical knowledge to update and maintain Governance tools and catalogues. This often resulted in users forgetting to update their actions or incorrectly coding the solution on the system. If all required actions are not 100% accurately recorded, there is a gap in your Governance and records, and it is not complete.

This is the reason why more and more companies are removing the human element from the Governance and Compliance process and automating it instead. Automation ensures all key actions are recorded correctly and at the right time eliminating gaps in the recorded data and ensuring 100% compliance.

THE SOLUTION

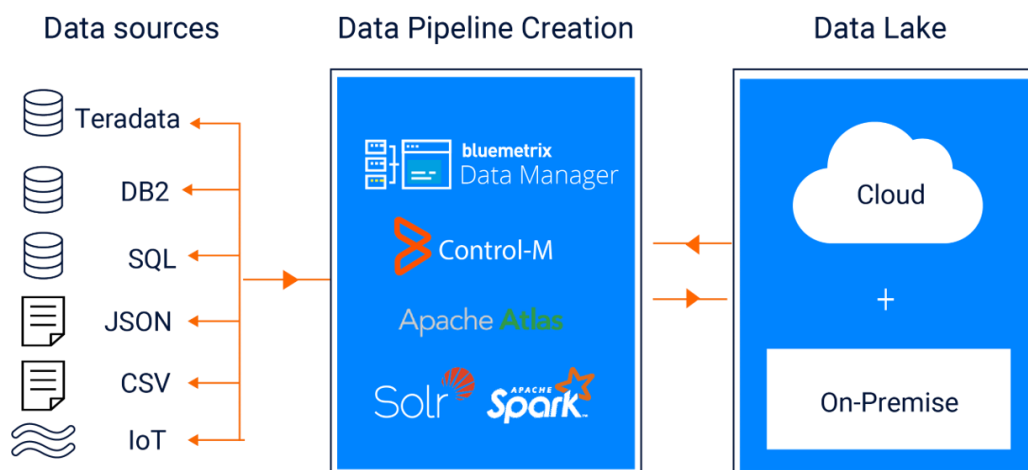
With BDM we offer a Governance and Compliance module which provides a world-class solution for Data Lakes, by automating the following tasks:

Governance: Captures and records all actions on the data lake, ensuring these are recorded correctly at scale in Atlas, recording lineage and tagging data as required.

Compliance: Provides users with an easy-to-use ruleset to ensure all actions are captured and stored in a manner that enforces compliance around the required regulation i.e. GDPR, HIPAA, etc.

- All data activities that take place within BDM are recorded automatically in Atlas for Data Lineage
- Data Taxonomy and Relationships can be stored and recorded in Atlas for all the data on the Lake
- All data activities can be audited as required
- All Sensitive data can be masked, anonymized or tokenized on ingest as required
- A Master data store can be created and operated on the Lake
- Data management policies (i.e. Tags, masking must be created when sensitive data is accessed) and can be programmed and enforced as required

REFERENCE ARCHITECTURE OF DATA GOVERNANCE



This is where BDM sits on when delivering for all data pipelines created by BDM & Control-M

MAXIMUM THE VALUE OF YOUR DATA



Head of Governance

- Ensure Data Governance policies have appropriate procedures
- Procedure process lineage visualisation
- Create alerting to identify non-compliant resource group



Chief Data Officer

- Garner business buy-in to single transparent data process
- Put the controls you require around your pipelines
- Report on who requests access to what data
- Enable business to control and take responsibility for their data



Head of Department

- Transparently control access to your data
- Evidence you have adhered to Governance policies
- Empower your teams to access the value in your data

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.