

# UsefulBI helped HP Inc overcome challenges with their on-premise servers, including maintenance and scalability issues, by developing a configurator tool for cloud migration

## Problem Statement



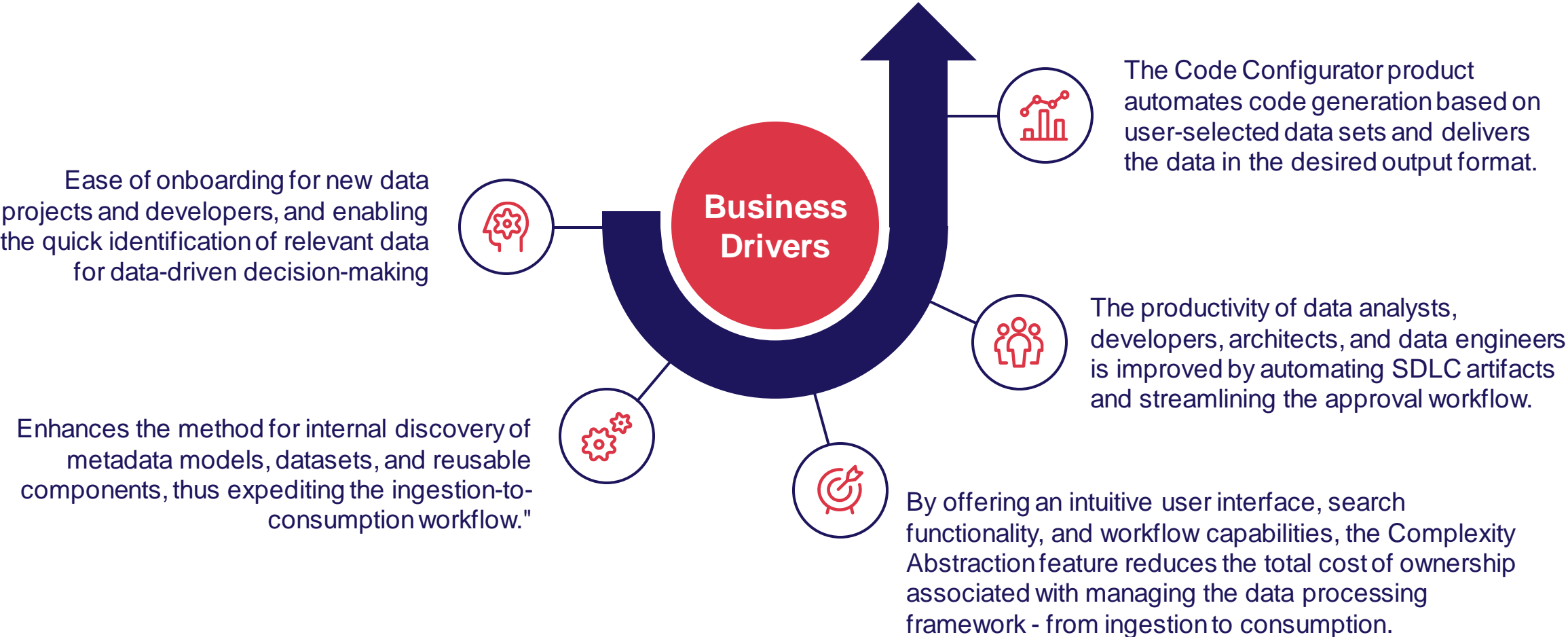
- HP faced challenges with their on-premise servers prior to migration to the cloud
- Maintenance of the servers was a major issue, requiring regular updates and a dedicated IT team
- Maintenance was time-consuming and costly
- The on-premise servers were not very scalable
- As data increased, it became difficult to manage and store on existing servers
- Performance issues arose and limited HP's ability to use data to drive business decisions.

## UsefulBI Solution Approach



- UsefulBI worked with HP as a subcontractor to develop a configurator project for cloud migration
- The configurator tool was based on metadata configuration and allowed users to define migration steps for various data layers in any cloud
- HP's existing ABCR framework was utilized to execute the captured metadata, providing a comprehensive approach to auditing, balancing, controlling, and reconciling data
- The configurator tool and ABCR framework were used to migrate various data sources, including SAP HANA, Vertica, MAP-R , Oracle, SQL server, Postgres SQL, and more
- This helped HP overcome scalability issues with their on-premise servers and effectively manage and store their data in the cloud.

# Key Building Blocks of UsefulBI's Code Configurator Product to Address Major Business Drivers for Cloud Migration



# Our solution delivers both quantitative and qualitative benefits through automation and acceleration of key processes, resulting in improved efficiency and faster time-to-market

## Improved Onboarding

Quick onboarding of dev team members and ease of adoption for developers and data owners, reducing onboarding time to days instead of 6-8 weeks.



## Increased Efficiency

Simplify frameworks for quick onboarding of new developers and boost developer efficiency, with up to 80% improvement in master data setup and 50% improvement in ingestion and distillation productivity



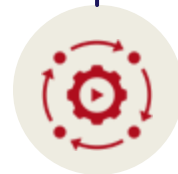
## Single Version of Truth

Easy-to-use UI and search-driven HP Code Configurator Product with code gen capabilities for HP use cases, leading to one single version of truth.



## Automation

UI-driven approach for better maintainability, no manual metadata loading in multiple environments, automation of approval workflows, data lineage, versioning, and creation of key artifacts like Source to Target mapping document



## Leverage Existing Platforms

Leveraging existing HP tech platforms, accelerators such as BMDIS tech environment, AWS, ABCR, UAM, eliminating dependencies on HIVE and Talend.



## Extensibility

Generic Code Config Platform that can be extended, laying the foundation to create a separate data pipeline orchestration based on delta lake-driven architecture in the future.

