

NAVIGATE YOUR NEXT



INFOSYS CLOUD DATA
VALIDATION SOLUTION @
AZURE - Native Data Validation
Automation Solution

QA challenges in Cloud Data Modernization

01



Huge velocity and varied variety of data

02



Validation of legacy systems data while moving to cloud

03



Lack of data testing solutions to support new technology - Server less, Data Pipelines, etc.

04



Ensuring data integrity during movement across numerous technical layers

05



Ensuring data accuracy between visualization layer and backend system

Infosys Cloud Data Validation Solution

A best in class cloud native data validation automation solution that helps streamline and accelerate testing of Data Integration / Data Analytics platforms. This is a UI-based automated data quality and data integrity approach for accelerated data validation.

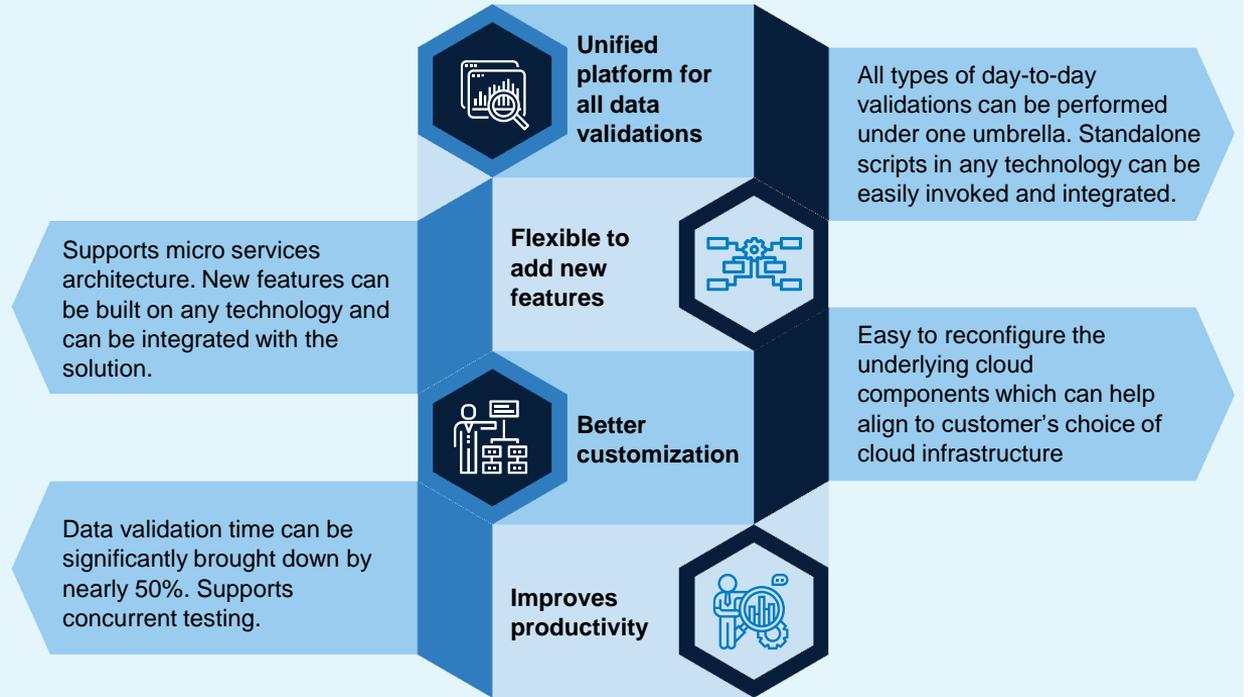
Infosys Cloud Data Validation Solution

Infosys solution helps in accelerated validation of Data Integration / Data Analytics platforms by bringing open source technologies and Azure Services together. It provides comprehensive technical approach for data validation between source and target databases / files like data quality checks, data reconciliation checks and data validation checks.

The solution is capable of validating data for use cases like:

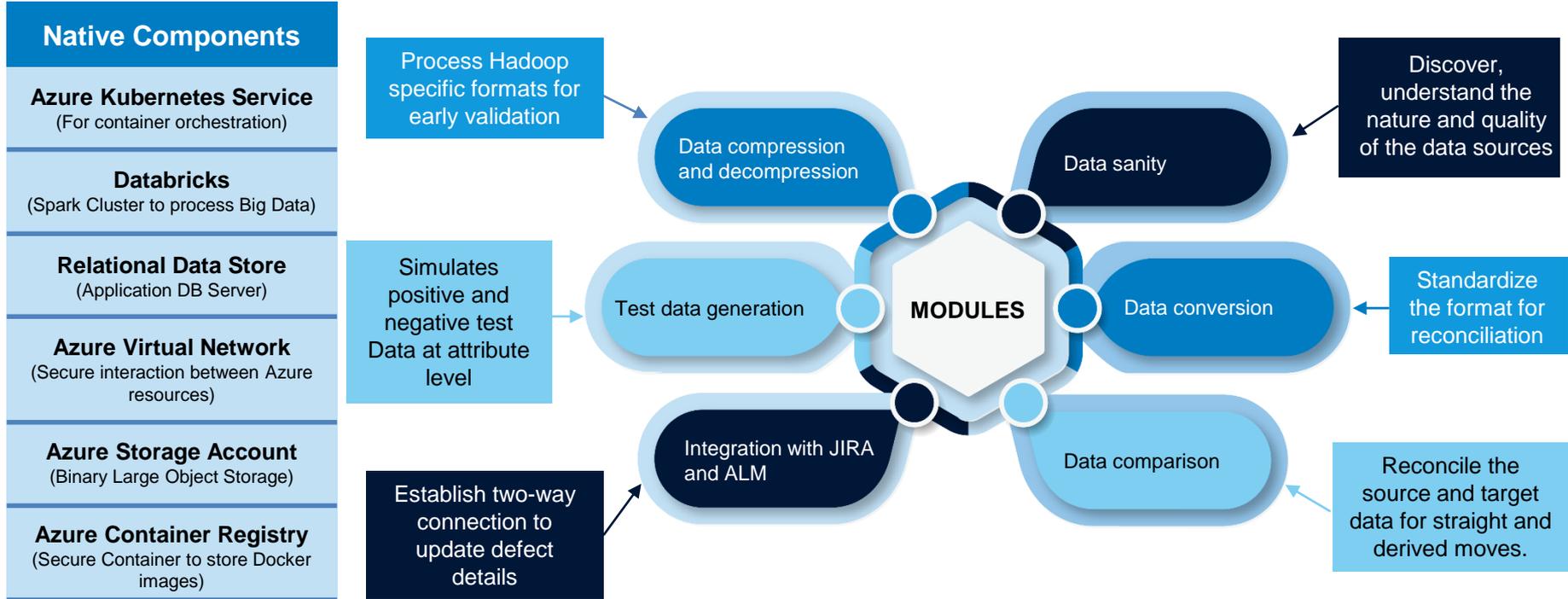
- Modernization of Legacy Data Warehouse to **Cloud Data Warehouse**
- **Application Modernization** – Data modernization to Cloud Storage
- New **Data Lake hosted on Cloud**
- Migration of on-premise Data Lake to **Cloud** and **BI Reporting**
- **Migration of dashboards** to Cloud based platform

Benefits of Infosys Cloud Data Validation Solution



Key solution components

Infosys Cloud Data Validation Solution is a native solution catering to the industry needs of data validations. Its core components and features for Azure are depicted below:



Solution features



Columnar and Row-based results

- Results are available with a columnar view, row view and a summarized view. User can choose the mode of the view in the user specified path.



Batch mode operations

- Comparison, conversion and compression can happen in a batch mode in any desired combination. Status can be monitored at runtime.



Pattern retrieval

- Distinct patterns of a column in target can be extracted and reconciled against its counterpart in source.



Test data simulation

- Solution can simulate test data needed for validations, considering both negative and positive business rules



Eliminates the need for SQL syntactical knowledge

- User has provision to generate SQL query automatically



Nested file validations

- Solution can process complex files such as Nested JSON, Nested XML etc. The namespaces in the XML file would be automatically triggered.

THANK YOU