



Data Migration to Cloud Accelerator

Sprinter is an accelerator automate the Data Migration Cloud Journey from Any Source database to Any Cloud Destination database

2.0

TECH
mahindra

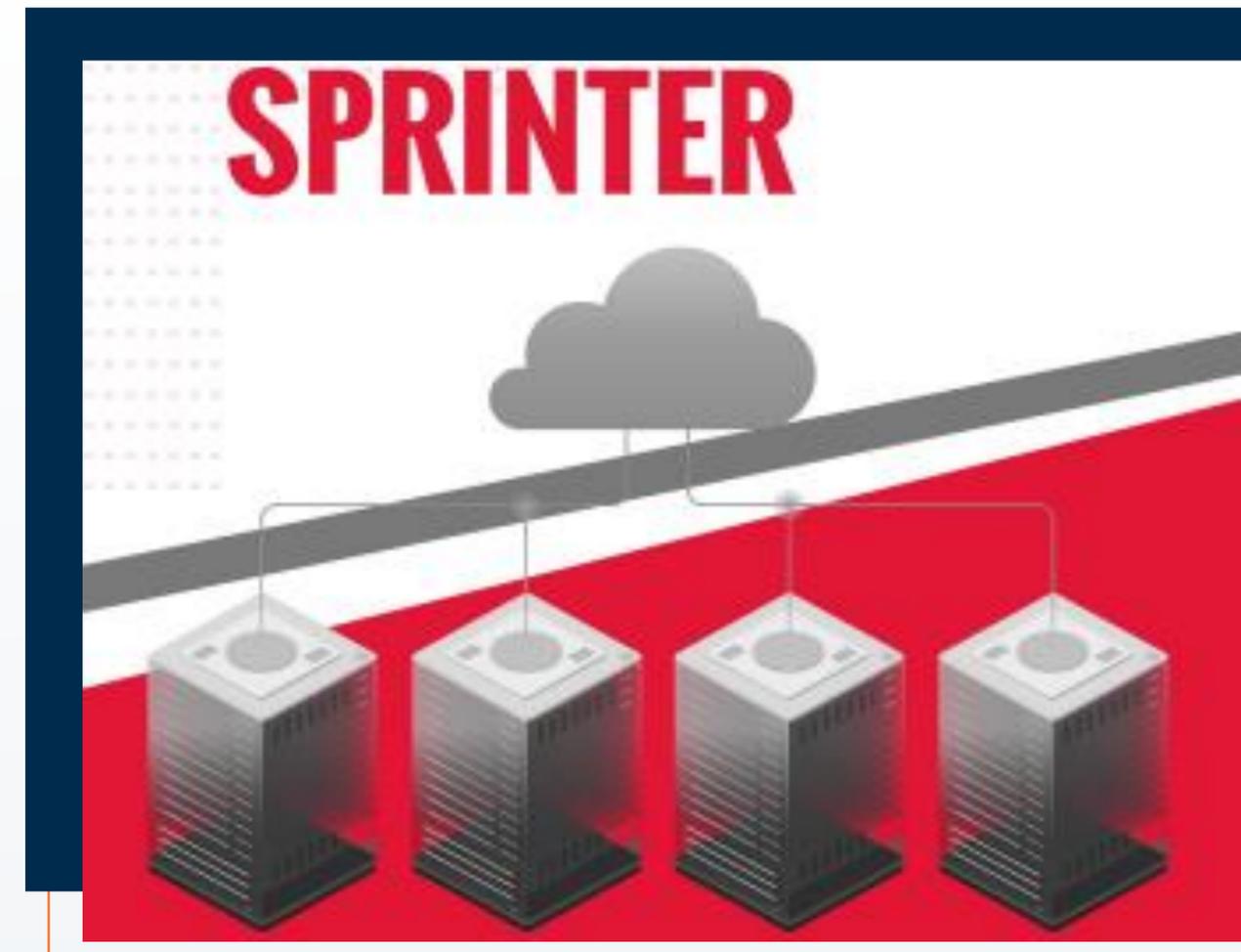
**Microsoft
Partner**



Gold Application Development
Gold Application Integration
Gold Application Lifecycle Management
Silver Data Analytics
Silver Data Platform

Industry: Explain the primary customer challenge in the industry

- Data Modernization is imperative to most enterprises today to gain a competitive edge in the marketplace.
- Cloud is Key to achieve Data Analytics at Scale.
- Data Migration to Cloud Platforms from legacy Databases/DWH is a complex, manual and time-consuming process.



CHALLENGES

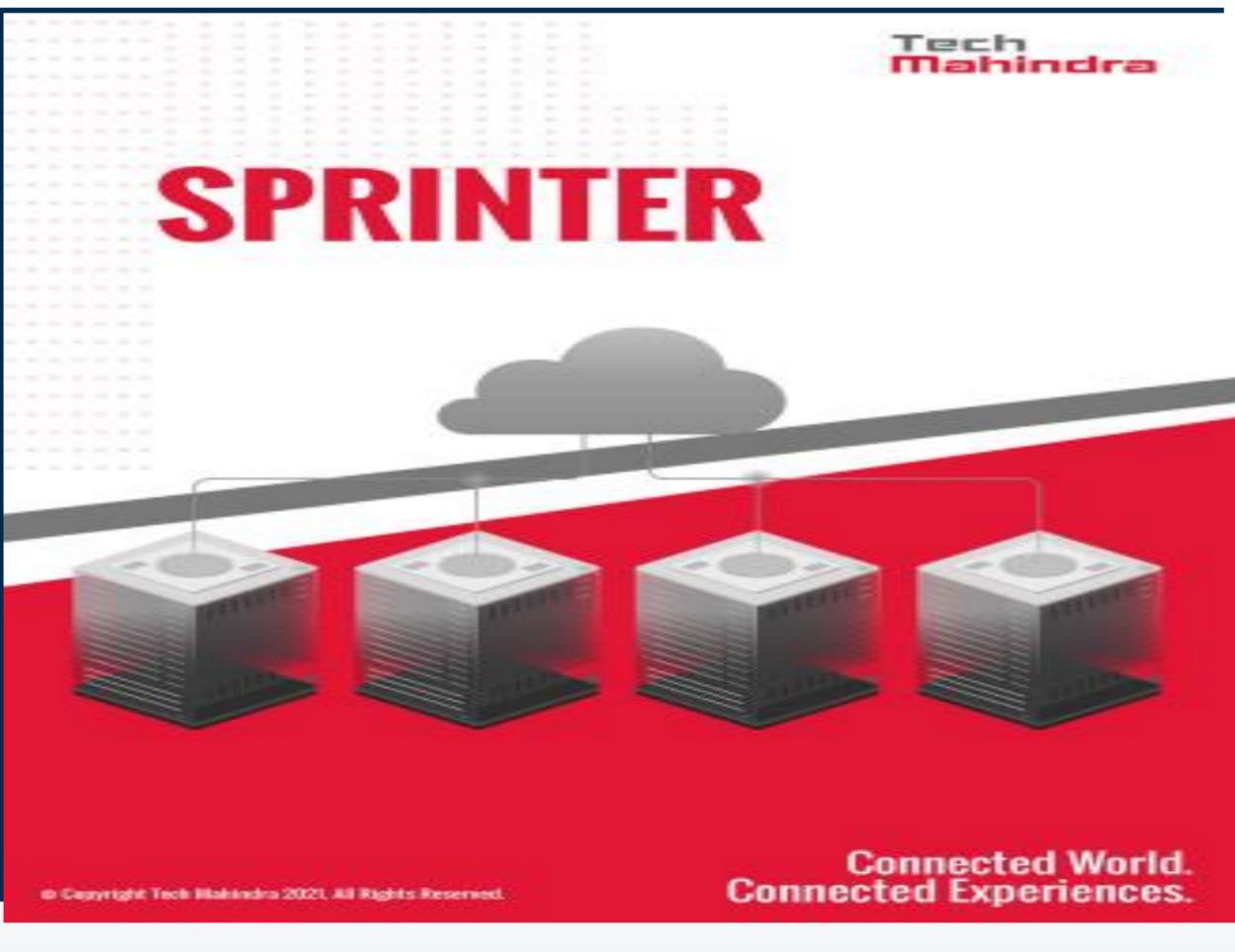
- Legacy setup, on-premise setups not capable to scale fast
- Lack of Flexibility and agility
- Ability to handle large data volume for the growing demand
- Difficult to scale up & down on-demand basis
- Rigid by architecture and design

IDEAL SOLUTION

- Migrating assets into Cloud would be ideal solution for the listed problem
- Data migration automation from Any Source database into Any Destination database in Cloud
- Supporting data migration (Lift & shift, rehost, Replatform) and modernization (refactor, rearchitect)
- Cost effective serverless / data lake / delta lake architecture for historical dataset

DESIRED OUTCOMES

- As compared to manual migration processes, automation bring up to
- 30% reduction in discovery efforts
 - 80% improvement in schema migration efficiency
 - ~60-90% acceleration of stored procedure migration
 - 80% automation in testing & reconciliation



SPRINTER

Sprinter is a fully automated Data Migration Accelerator that saves 40% time and effort while migrating data from Any Source to Any Cloud Destination. That brings automation & best practices for data migration journey activities like Analysis, Planning, development, Testing, Monitoring & Tracking which drastically reduces the overall effort and increases the efficiency and accuracy of any cloud data migration initiative

1

SOLUTION BENEFIT

- **30%** reduction in discovery efforts
- **80%** improvement in schema migration efficiency

2

SOLUTION BENEFIT

- **60-90%** acceleration of stored procedure migration
- **100%** historical and incremental data migration
- **80%** automation in testing & reconciliation

3

MICROSOFT INTEGRATION BENEFIT

Seamless Integration & migration of customer data from multiple sources into Azure cloud data lake storage and processed into target Synapse database with custom native to Azure Synapse transformation without going through manual step or costly tools

Tech Mahindra's Sprinter & Microsoft Azure

Deploying Sprinter on Microsoft Azure allows us to deliver the results quicker, smoother, and more secure data migration using inbuilt security features of Azure ADLS. It also provides a perfect de coupled environment to carry out real-time migration without visible impact to customer environment.

Discovery on Azure

Cloud data migration assessment bring the assets inventory, and usage patterns.

Strategically helps to identify the right infrastructure cost for the target database

Data Migration on Azure

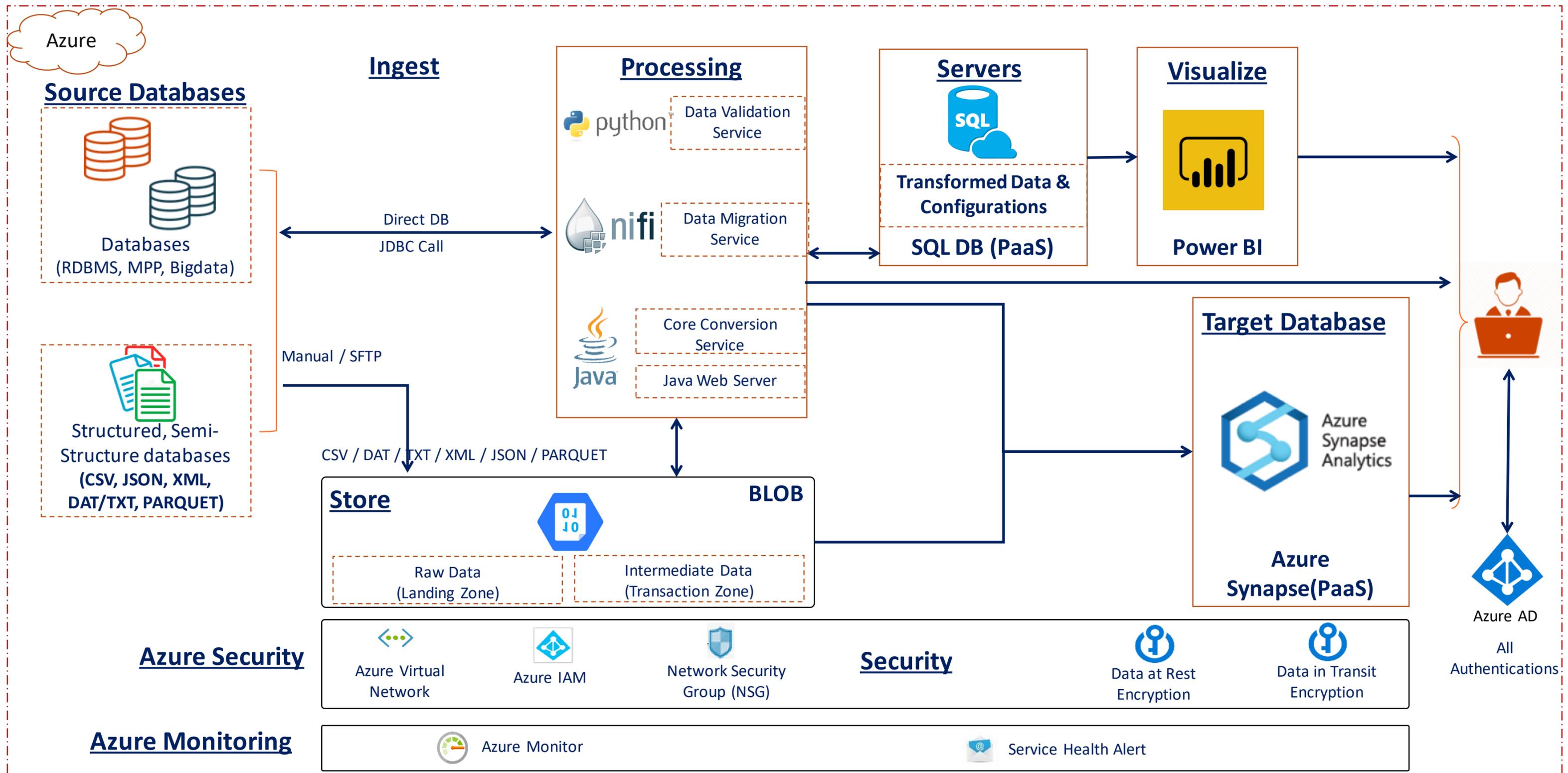
Cloud Data Migration access bring metadata, drive smooth data migration into Azure cloud storage and Synapse for customers who wants to move to AZURE cloud.

Reduces TCO of cloud migration by 40%

Usage Analytics on Azure

Using Azure enabled Power BI, provide end to end database usages, audits and cost utilization through centralized dashboard solution

Sprinter on Azure – Architecture (Cloud Data Migration)



SPRINTER



Data Migration for a Leading Singapore based Telco Major

Sprinter data migration and reconciliation modules used to migrate the data from on-prem to cloud storage for leading Singapore telecom.

CHALLENGES

Migration of data from on-premises (multiple sources) application into AWS cloud data lake & Redshift for Advanced analytics and standard reporting

SOLUTION

Seamless Integration & migration of customer data from multiple sources into AWS cloud S3 bucket. Automate the processing into target Redshift database with custom transformation without going through costly tool or manual step. Automate the data validation and confirm quality

VALUE DELIVERED

Zero or no code file processing. Automated pre-migration and post-migration validation carried out to ensure migration quality Faster time to market by reducing data engineering effort. Repetitive process without going through external vendor tool and expensive engineering resources

Data Migration for a Leading US based Auto major

Sprinter's script migration comes with the power of language recognition program to effectively understand the SQL grammar and translate the information into template driven target structure. This helped to migrate the procedure into target system with native support format.

CHALLENGES

Part of the modernization journey, few thousands procedure scripts wants to be migrated into snowflake. Manual approach taken lot of times, resources. Unable to ascertain the quality of the migration. Hence looking for automation to confirm the conversion, quality and consistency

SOLUTION

Part of the PoC, within few hours migrated all the PoC scope scripts and hand-over back to development team for validation. Conversion ratio achieved around 60-100% based on the complexity

[EXAMPLE WIN RESULT]

Introducing standard template for the scripts. Converting the scripting with Standards, Quality, Consistency & Repeatability. Accelerating the scripts migration with more than 40% efforts saving



Tech Mahindra's Cloud Data Migration Accelerator

Get a free Demonstration: HV00627067@TechMahindra.com

Ask a question via email: HV00627067@TechMahindra.com

Learn more: [Data and Analytics \(techmahindra.com\)](https://techmahindra.com/Data-and-Analytics)

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