

# ExfM2M - Migrate to Mongo (Data Migration Tool)

Sudha Pendyala  
September 2023



## Business Context:

Organizations undergoing digital transformations are looking for avenues to modernize, innovate, and adapt their application landscapes to the latest technology available on the big public cloud platforms, such as AWS, Azure, and Google .



## Key Business Drivers:

Shifting focus from underlying infrastructure and platforms to application innovation.

Unmatched availability, scalability, and agility of cloud resources when compared to on-premises deployments.

On-demand usage pattern and pay-as-you-go cost management offered by cloud, which helps to convert huge CAPEX to smaller chunks of OPEX. Alternative solutions to replace end-of-life hardware/software.

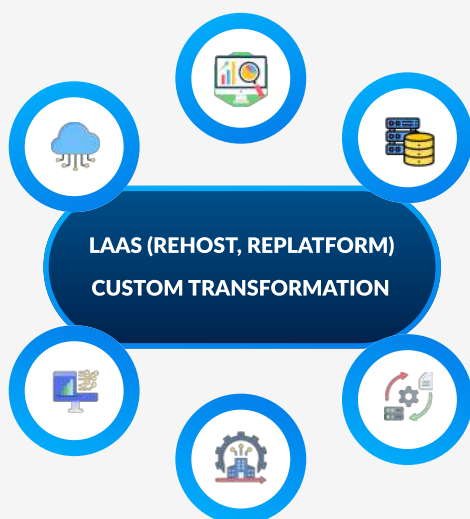
Need for hybrid architecture to leverage services that are not available on-premises.

Effective compliance and security management.

## Proposed Solution:

**IaaS (rehost, replatform):** Moving applications to an Infrastructure-as-a-Service model means moving an existing application or workload from on-prem deployment to a cloud-provider's infrastructure. With this method there are no significant architecture changes to make. The easiest way to migrate applications to IaaS is rehosting using "lift and shift" or as-is migration approach.

**Custom Transformation:** Moving workload from on-prem deployment to a cloud-provider's infrastructure using custom transformations.



## What is Exf Data Migration Tool?

The Exf Migration Tool is a powerful tool that can be used to migrate data from a variety of sources to MongoDB Atlas.



### Custom Transformations

The tool can be used to perform custom transformations on data during the migration process. This can be useful for ensuring that the data is migrated in a way that is compatible with MongoDB Atlas.



### "Lift & Shift" approach

The tool can also be used to perform a "lift & shift" migration. This means that the data are migrated to MongoDB Atlas without any changes. This can be a good option for applications that are already well-designed and that do not need to be modified in order to work with MongoDB Atlas.



### Stored Procedure Converter

The tool has the capability to convert Stored Procedures from SQL databases to Mongo Pipeline.

#### Sources included for Migration

IBM Db2



#DataMigration #DataTransfer

## What are the Key features of Exf Migration Tool?

- Easy to use with Graphical User Interface to migrate data.
- The migrations can be up to 80% faster compared to traditional approaches
- Ability to do custom transformations using the GUI without any code development.
- Data Quality Assurance is built into the tool and does data validation when migrating the data.

#DataMigrationTools #CloudDataMigration

## What are the benefits of Exf Migration Tool?

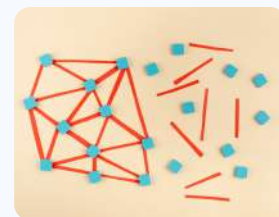


### Support for a wide variety of data sources

The Exf Migration Tool can be used to migrate data from a wide variety of data sources, including SQL, NoSQL databases, and flat files. This makes it a versatile tool that can be used to migrate data from a variety of legacy systems.

## Support for both structured and unstructured data

The Exf Migration Tool can be used to migrate both structured and unstructured data. This makes it a valuable tool for organizations that have a mix of data types in their legacy systems.



## Features for data quality assurance

The Exf Migration Tool offers a number of features for data quality assurance, which include data validation and data profiling. This helps to ensure that the data that is migrated to MongoDB Atlas is accurate and complete.

## Easy to use

The Exf Migration Tool is easy to use and can be configured to meet the specific needs of an organization. This makes it a good option for organizations that do not have a lot of experience with data migration.



[#MigrationStrategy](#) [#DataMigrationChallenges](#)

## What are the benefits of Exf Migration Tool?

- ✓ **Graphical UI for Data Modelling** - Validation is done separately for numerator and denominator for each KPI. Test case data extraction is done using SQL and MDX queries on-demand.
- ✓ **Ability to perform dry run or test transforms prior to "big bang" conversion** - This feature would allow users to test the data transformations before they are applied to the production data. This would help to ensure that the transformations are accurate and that they do not corrupt the data.
- ✓ **Ability to have continuous data conversion/migration (CDC style)** - This feature would allow users to migrate data in real time, as it is being generated. This would be useful for organizations that need to keep their data up-to-date in MongoDB Atlas.
- ✓ **Ability to simplify / automate the reconciliation process:** - This feature would allow users to automate the process of reconciling the data in MongoDB Atlas with the data in the legacy system. This would help to ensure that the data is accurate and complete in MongoDB Atlas.

*These are just some of the future features that are being considered for the Exf Migration Tool. The tool is constantly being updated with new features and improvements,*

[#DataMigrationSolutions](#) [#DataMigrationExperts](#) [#SecureMigration](#)