

**Coforge**

**MigXpress**

**A Coforge Accelerator**

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1. About MigXpress
2. Challenges Addressed by MigXpress
3. Features and Benefits of MigXpress
4. Architecture of MigXpress

# MigXpress

## About MigXpress

- Coforge's MigXpress accelerator supporting the schema and data migration from source database to target database with capability to convert schema automatically from source database to target database. Example: Oracle to Azure PostgreSQL.
- Coforge's MigXpress accelerator is framework for data migration assessment and execution.

### Challenges Addressed

**MigXpress addresses following challenges/issues that companies need to be able to overcome in Migration Journey.**

- Creates/Migrates the DB objects : Schemas/Tables
- Can create Indexes(before/after) and constrains in the target environments
- Check the existing objects in the Target DB and ignores if those objects already exist
- Migrate the Data into Stage and then into Target DB
- Audit control mechanism which includes source statistics, load details and Error handling details
- Reconciliation of source and targets reports
- Supports for Full and Incremental Data load.
- Load single / any prefix based tables or all tables
- Can run on Windows/Linux Environment.
- Handles BLOB, INT, Varchar Datatypes and default values as well.

# MigXpress

## Features and Benefits

### Features:

- **Schema Migration:** MigXpress supports Schema assessment and schema migration into the Staging
- **Schema Validation:** MigXpress supports for the schema validation in the Staging (Azure PostgreSQL). Based on validation results schema will be updated accordingly into Staging
- **Data Migration and Validation:** MigXpress supports the Data Migration into the Staging , and it supports the Data validation of respective staging Data.
- **Schema Migration and validation of Data store:** After completion of successful schema and Data migration & Validation in the staging, schema and Data will be exported from Staging to Data Store Azure PostgreSQL through MigXpress.
- **Schema and Data Validation:** MigXpress supports the schema and Data validation of the Data Store Azure PostgreSQL



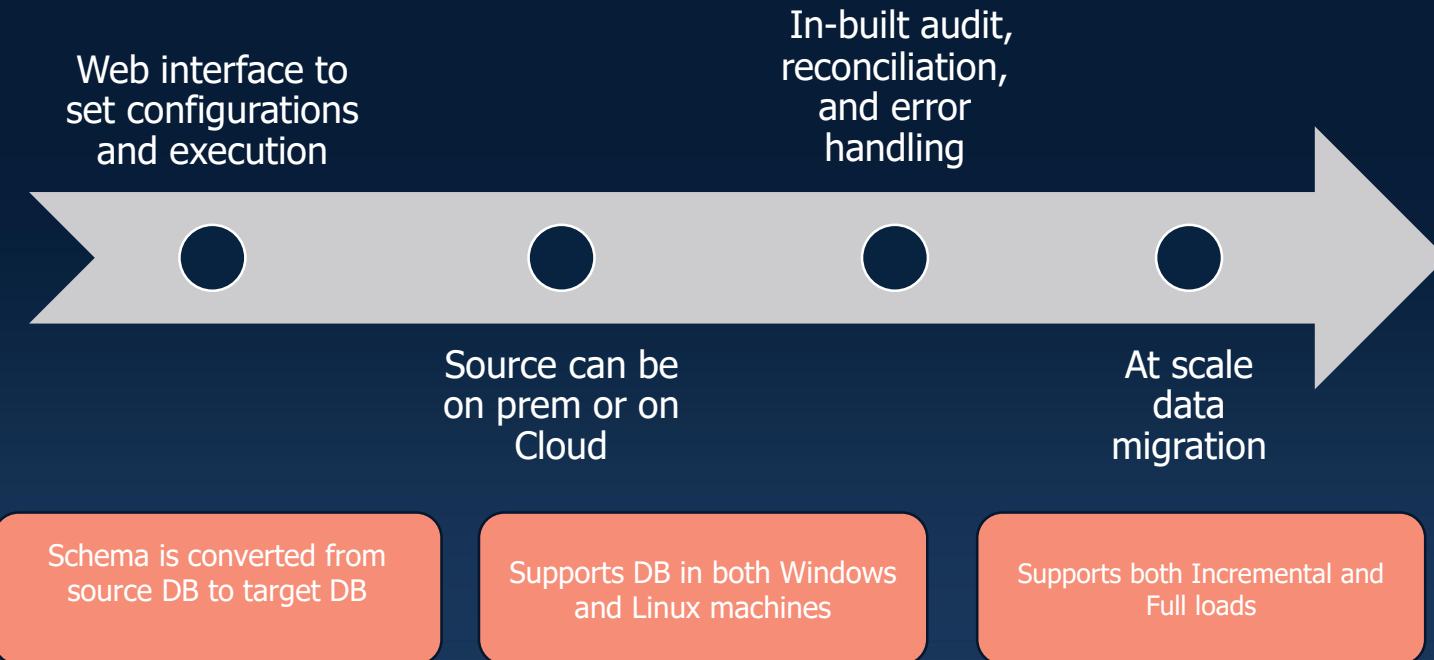
### Benefits:

- Auto conversion of data types
- Move to any formats and databases including cloud technologies (Snowflake, Redis etc.)
- Lower the TCO
- Built in Auditing and monitoring
- Scalable flexible architecture

# MigXpress

## Approach

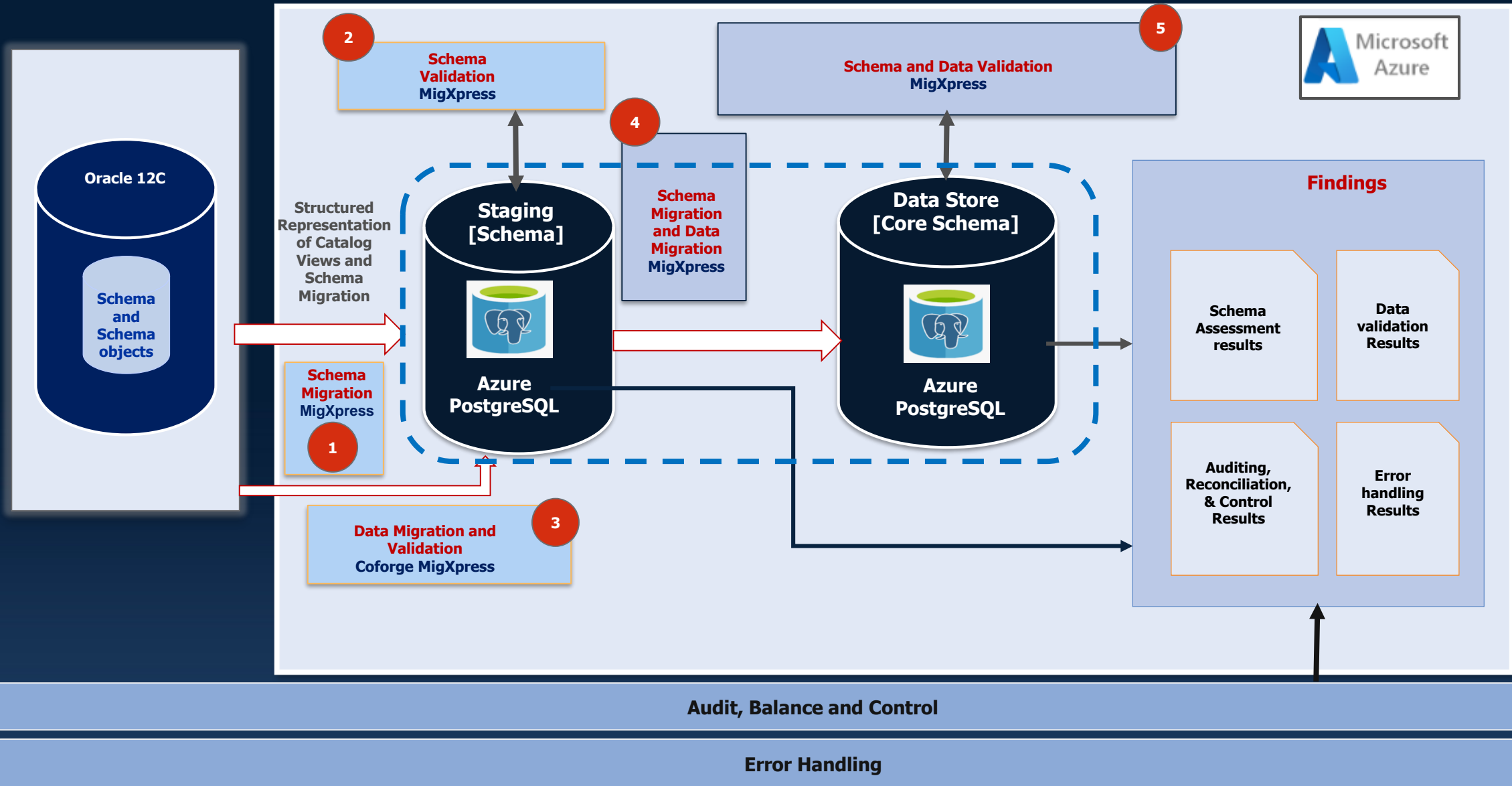
MigXpress is the accelerator to support Schema and Data Migration



- Coforge's MigXpress accelerator is framework for data migration assessment and execution.
- MigXpress is suitable for small and large volume datasets both on-premise and cloud with inbuilt audit, control, balance, and error handling mechanisms.
- Components of MigXpress:
  - Auto validation: A utility to validate source and target data movement
  - Data Migration: A utility to migrate data from source to target with less or no supervision and automatic data conversion
  - Monitoring: It has a feature to monitor failed, running, and waiting jobs as well as job dependencies.

# MigXpress Architecture

- Can support Oracle / SQL DBs
- Can be easily customised for Target Storage (Azure PostgreSQL)



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# Let's engage!

