

ArcDBMigrate

AI-Powered Database Migration

(Powered by SourceFuse)

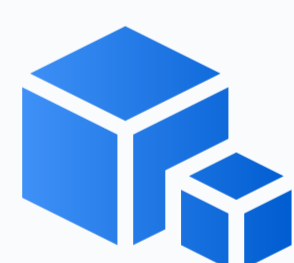
The Challenge

Migrating from SQL Server to PostgreSQL is far more than a syntax change. Manual and semi-automated approaches introduce risk, delay, and inconsistency, especially in complex, enterprise-grade databases. **The result?** Longer timelines, higher costs, and elevated production risk. Without an intelligent, quality-first migration approach, organizations face:



Migration Delays

Manual assessment, code rewrites, and testing stretch migrations from weeks into months.



Complex Stored Procedures

Safely convert deeply embedded, business-critical stored procedures without breaking logic, dependencies, or performance.



Inconsistent Code Quality

Developer-by-developer rewrites lead to unpredictable outcomes and performance issues.



High Cutover Risk

Limited validation increases the risk of logic errors and production incidents after go-live.

The Solution: ArcDBMigrate

ArcDBMigrate is an AI-powered database migration accelerator designed specifically for SQL Server → PostgreSQL modernization. It replaces manual, error-prone processes with deterministic, intelligent automation across assessment, conversion, and validation. It also moves your business logic with 100% consistency and zero hallucinations. This is not lift-and-shift and not black-box automation. ArcDBMigrate delivers controlled, transparent, and enterprise-ready migrations you can trust.

How It Works:



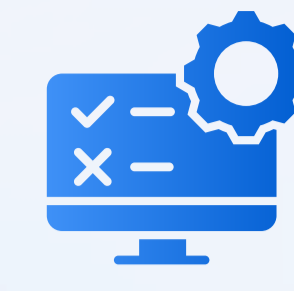
Migration Assessment

ArcDBMigrate analyzes schemas, procedures, queries, and dependencies to generate a clear migration roadmap with effort and risk estimates.



AI-Powered Code Conversion

Deterministic AI converts T-SQL to fully compatible PL/pgSQL with accurate data type mapping, dependency awareness, and built-in guardrails.



Automated Validation & Testing

Comprehensive unit tests validate functional equivalence, data integrity, and business logic before production cutover.

The Business Impact*: Migration That Delivers

90%

Faster Migration Timelines

95%

Less Manual Review

100%

Consistent Code Conversion

0

Broken Dependencies

~60%

Lower Migration Cost

10x

Operational Efficiency

99.99%

Functional Equivalence



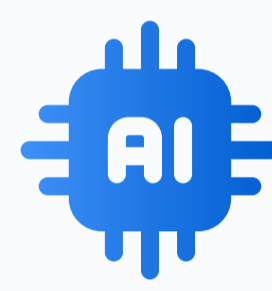
*Disclaimer: The business impact metrics mentioned above are indicative and may vary depending on project scope, complexity, environment, and client-specific requirements.

Why SourceFuse + ArcDBMigrate



19+ Years of Enterprise Modernization Expertise

SourceFuse brings deep experience across large-scale database, application, and cloud modernization programs.



Deterministic AI, Done Right

We use guarded, human-in-the-loop AI to ensure accuracy over automation.



Built for Enterprise Scale

ArcDBMigrate, part of ARC, is built for complex, large-scale database migrations beyond generic tools.



Strategic Modernization

Identify optimization opportunities that modernize schemas and logic for a future-ready PostgreSQL environment



AWS Premier Partner

Our approach follows cloud-native best practices and AWS MAP guidelines.

Recommended Next Step

Validate the impact of ArcDBMigrate with a low-touch, high-confidence assessment or pilot designed to prove value quickly.



Analyze your SQL Server environment and migration complexity



Generate a detailed migration plan with effort and risk scoring



See a sample conversion and validation results before full commitment

ArcDBMigrate turns database migration from a high-risk project into a predictable, repeatable process.