

Tableau to Power BI Migration Framework

Accelerating BI Conversion with a UI-Driven Migration Accelerator

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60–70%

Reduction in Manual
Effort

3–5x

Faster Migration
Timelines

100%

Business Logic
Preservation

Introduction

Many organizations today are moving from Tableau to Power BI to standardize analytics, reduce licensing costs, and leverage the Microsoft ecosystem. However, migrating hundreds of dashboards, data sources, and business logic is often complex, time-consuming, and risky when done manually.

Most migration initiatives struggle with understanding existing Tableau assets, recreating reports manually, and ensuring business logic remains intact. This leads to long migration timelines, increased costs, and inconsistent report outputs.

Evoke Technologies' Tableau to Power BI Migration Accelerator simplifies and speeds up BI platform migration through automation, metadata extraction, and guided report conversion.

The Challenge: Why Manual BI Migration Fails

Manual BI migration projects typically rely on:

- ❖ Manual inventory of Tableau dashboards and assets
- ❖ Rebuilding reports from scratch in Power BI
- ❖ Manual recreation of calculations, measures, and filters
- ❖ Lack of visibility into report dependencies and usage
- ❖ Time-consuming validation and user acceptance testing

This approach results in:

- ❖ Long migration cycles stretching months or years
- ❖ High manual effort and engineering resource consumption
- ❖ Risk of losing critical business logic during conversion
- ❖ Inconsistent report outputs affecting stakeholder trust
- ❖ Low confidence from business users in the migrated platform

When organizations have hundreds or thousands of Tableau assets, manual migration quickly becomes impractical. A structured accelerator approach is essential.

The Solution: Tableau to Power BI Migration Accelerator

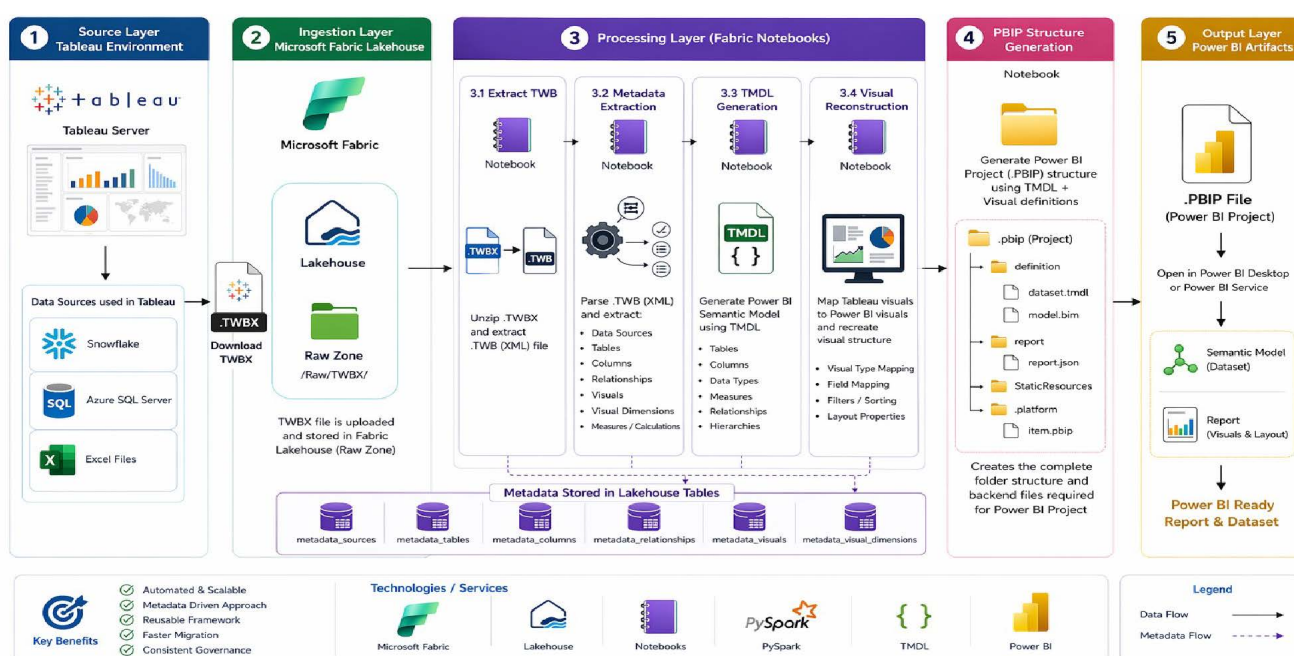
The Power BI Migration Accelerator provides a structured and automated framework to simplify and accelerate the migration of Tableau assets to Power BI. Instead of rebuilding dashboards manually, the accelerator extracts Tableau metadata, analyzes dependencies, and provides guided conversion for datasets, calculations, and visualizations.

This accelerator is implemented as a reusable capability, enabling organizations to standardize BI migration across multiple teams and environments.

Manual Migration Challenges	Accelerator-Driven Solution
Manual dashboard inventory	Automated Asset Discovery Engine
Rebuilding reports from scratch	Metadata-driven guided conversion
Manual calculation recreation	Automated calculated field mapping
No visibility into dependencies	Full dependency analysis & mapping
Slow, error-prone validation	Automated reconciliation engine
No progress tracking	Centralized Migration Dashboard

Automating Tableau to Power BI using Microsoft Fabric

End-to-End Architecture



Core Framework Components

The Migration Accelerator is built around six integrated components that work together to deliver a complete, end-to-end migration experience:

01	Tableau Asset Discovery Engine	Scans and catalogs all Tableau workbooks, dashboards, and data sources to build a complete inventory of BI assets.
02	Metadata Extraction & Analysis	Extracts calculated fields, data source connections, filters, parameters, and visual components from Tableau reports.
03	Automated Dataset Conversion	Transforms Tableau data sources into Power BI datasets or Microsoft Fabric Lakehouse models with semantic layer mapping.
04	Visualization Conversion Engine	Maps Tableau visual elements to Power BI equivalents and auto-generates initial Power BI report templates.
05	Validation & Reconciliation Engine	Ensures migrated Power BI reports produce results consistent with original Tableau dashboards through automated checks.
06	Migration Monitoring Dashboard	Provides centralized Power BI dashboards showing migration progress, completed assets, pending items, and validation status.

Why an Accelerator-Driven Migration Matters

A structured migration accelerator delivers measurable advantages over a manual approach:

- ❖ Faster migration timelines — reduce months of effort to weeks
- ❖ Reduced manual redevelopment effort by 60–70%
- ❖ Complete preservation of business logic and calculated fields
- ❖ Improved migration governance with audit trails and tracking
- ❖ Higher stakeholder confidence in the migrated analytics platform
- ❖ Scalable approach suitable for enterprise-wide migrations

Instead of rebuilding reports manually, organizations can systematically convert and validate BI assets at scale — ensuring accuracy, completeness, and consistency across the entire Tableau portfolio.

Real-World Use Cases

The Tableau to Power BI Migration Accelerator is applicable across a wide range of enterprise migration scenarios:

Use Case	Description
Enterprise BI Consolidation	Migrate hundreds of Tableau dashboards to a unified Power BI environment across the enterprise.
Microsoft Fabric Adoption	Consolidate multiple BI platforms into Microsoft Fabric while standardizing on Power BI.
Licensing Cost Reduction	Eliminate Tableau licensing costs by systematically migrating all assets to Power BI.
Analytics Standardization	Standardize business reporting and analytics on the Microsoft Power Platform.
Data Platform Modernization	Migrate legacy dashboards as part of a broader data platform modernization initiative.

Why This Matters Now

Migrating BI platforms is not simply a tool replacement — it is a strategic transformation of the analytics ecosystem. As enterprises increasingly standardize on Microsoft Fabric and Power BI, large-scale BI migrations are becoming more common and more critical.

A structured migration accelerator provides the governance, automation, and transparency needed to ensure successful platform transitions. By combining automated asset discovery, metadata extraction, and guided report conversion, organizations can:

- ❖ Migrate faster while preserving reporting accuracy
- ❖ Reduce migration risks through automated validation
- ❖ Shorten timelines and control project costs
- ❖ Unlock the full value of modern analytics on Microsoft Fabric

*Transform your Tableau dashboards into Power BI with speed, accuracy, and governance
— powered by Evoke's Migration Accelerator.*

Ready to Start Your Migration?

Connect with Evoke's experts today to schedule a migration assessment or personalized demo.