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Automated transformation of Tableau reporting workloads to Power BI for intelligent, GenBI-driven decisions

VIDEO TRANSCRIPT

Are you looking to modernize your Tableau reporting workloads to a cloud-native BI platform like Power BI, but concerned about complexity, cost, or disruption?

Enterprises are rapidly migrating from legacy BI platforms like Tableau to Power BI to leverage scalability, cost-efficiency, and the power of GenBI capabilities.

LeapLogic, Impetus' data platform modernization solution, can help you achieve this seamlessly through end-to-end automated modernization of Tableau dashboards and datasets to Power BI.

Here's a demo of how LeapLogic simplifies the migration of Tableau reporting workloads to Power BI– starting with a comprehensive assessment, followed by automated transformation, validation, and all the way up to operationalization.

Let's begin by assessing Tableau workloads on LeapLogic. The assessment report provides a detailed analysis of all Tableau components and inventory. This can help you effectively plan your migration journey to Power BI.

It starts by assessing your existing inventory and gives a high-level overview of your workloads—including complexity across Tableau files, worksheets, queries, visualizations, and more.

Impetus LeapLogic also identifies workbooks, dashboards, and worksheets that are ideal for conversational interface. These recommendations help optimize your migration scope and reduce conversion effort and cost.

In the Files Analysis section, you'll see a comprehensive summary of databases, dashboards, worksheets, and more—for each TWB source file.

The Queries page provides detailed insights into your Tableau queries—clearly categorized as unique, analyzed, and not analyzed, so you know exactly what's ready for transformation.

You can also view a detailed summary of all your data sources—covering the type of connections, databases, and associated files.

Under the Dashboards tab, you get detailed information about each dashboard's worksheets, actions, and objects. And for each worksheet, you can drill down into visualization elements, columns, calculated fields, actions, and more.

Under the Lineage tab, you'll get a clear view of interdependencies across your Tableau environment—along with end-to-end data and process lineage. This visibility is key for managing complexity and ensuring a smooth transition.

You can download a detailed report from here and access it offline.

The report includes everything from candidates recommendations, to information on worksheets, data sources, entities, joins, and more.

In the Report Summary, you'll find information about all generated artifacts, such as Volumetric Info, Workbook Summary, Data Source Summary, Connections, Entities, and more.

The Volumetric Info section gives you a snapshot of your aggregated inventory after source file analysis.

The Workbook Summary details the total number of data sources, worksheets, and dashboards.

The Data Source Summary lists every data source along with key details such as total connections, sets, entities, and relationships.

The Entities section captures every entity found in the source files, with information like data types and associated data sources.

You'll get an additional relationship mapping report that provides information about the relationships defined in the script. Thia report is key to configuring the BI conversion pipeline.

You'll also get actionable, prescriptive insights through additional downloadable reports to guide your modernization strategy.

Now, let's move on to creating the conversion pipeline that transforms Tableau reports into Power BI equivalents.

Start by selecting the script type as Tableau and picking the report you want to convert from the BI assessments.

Then, set Power BI as the target platform.

Next, select the workbooks that need to be converted.

Here, we will upload the relationship mapping report generated before.

Select PBIP as the output type.

Click on the Unused Worksheet Conversion toggle.

Here, you can specify the Power BI workspace where the output artifacts need to be published.

You can choose the data source type—in this case, Snowflake – and provide the warehouse, host address, database and schema details.

Next, select the key-value pairs to dynamically configure custom properties at runtime.

Once done, save the BI Conversion stage and the pipeline.

With everything configured, you can execute the pipeline.

That's it! Let's look at the output of the Tableau-to-Power BI conversion.

During the BI Conversion stage, LeapLogic automatically converts Tableau reports to Power BI -equivalent.

Here, you can see the conversion reports for each dataset and report.

You can view converted artifacts that are ready to run on the target platform.

As you can see, for every input TWB file, a converted artifact is generated. This artifact includes a PBIP output file, report file, and semantic model.

The report file contains data required to generate visuals.

The semantic model contains information about datasets and their relationship.

Here, you can see the details of each table in the semantic model.

You will also get access to relationship details, including cardinality, here.

The converted package, which includes Power BI-ready code, is available for download.

Select the Data Flow Diagram option to view the entity relationship diagram for the dataset.

Next, let's go to the downloaded converted artifacts.

Now, let's head over to the Power BI desktop tool and open the PBIP file.

As you can see, the Tableau reports have been successfully converted to a Power BI-compatible version. You can the visuals and the semantic model here.

Impetus LeapLogic streamlines your migration journey, ensuring a seamless transformation of Tableau workloads to Power BI—paving the way for Generative BI.

Explore Impetus LeapLogic's automation capabilities for the end-to-end transformation of data warehouse, ETL, Hadoop, analytics, and reporting systems to a cloud-native stack – faster, at a lower cost, and with minimal risk.

Embrace the future of decision-making with Power BI and Impetus LeapLogic's intelligent transformation.

It's more than the next step. It's a leap into the future of your business.