leaplogic | an IMPETUS product

Automated workload transformation from IBM Cognos to Power BI

VIDEO TRANSCRIPT

Are you looking to migrate workloads from IBM Cognos to Power BI to achieve advanced analytics, improve scaling capabilities, and ensure robust data governance, but worried about business disruption?

Enterprises are transforming their IBM Cognos reporting and analytics workloads to Power BI to reduce costs while ensuring faster time to insights.

LeapLogic, Impetus' automated cloud migration accelerator, can help you achieve this by ensuring a smooth, risk-free modernization journey.

Here is a demo of how LeapLogic simplifies migrating IBM Cognos workloads to Power BI from comprehensive assessment to automated transformation, validation, and operationalization.

LeapLogic first assesses the existing inventory, providing valuable data-driven insights.

This includes a summary of the IBM Cognos workflows, such as queries, visualizations, complexity, tables, namespaces, and more.

Once the assessment is complete, you can view the results. Under the Analysis section, you can get detailed information regarding the IBM Cognos workload assessment, such as:

Files: Here, you can get access to a comprehensive report of the source files including queries, pages, and reports.

Reports: You can view detailed information about reports, including visualization objects, columns, pages, queries, and more.

Pages: Here, you can view all details regarding pages, including visualization objects, associated reports, etc.

Under the Lineage tab, you can see all interdependencies between various kinds of workloads, along with end-to-end data and process lineage.

You can also download a detailed report from here for offline access. It provides information about reports, visuals, calculations, relationships, and more. The report summary provides information about all the generated artifacts, including:

Volumetric info: Provides a summary of the aggregated inventory after analyzing source files.

Report overview: Provides a comprehensive summary of reports, including number of tables, namespaces, pages, complexity, and more.

Report page summary: Lists all report pages along with the total number of objects and visuals.

Report query summary: Lists all queries along with the total number of tables, filters, namespaces, etc.

Package summary: Lists all packages with total number of namespaces, calculations, relationships, and more.

Package namespace summary: Lists all namespaces along with total number of tables, calculations, relationships, etc.

You can also download reports that provide actionable prescriptive insights from LeapLogic.

Next, the IBM Cognos to Power BI transformation pipeline automatically converts IBM Cognos workloads end-to-end to Power BI. Drag the BI Conversion stage to the board and click on it.

Select the script type as IBM Cognos and the report from the IBM Cognos assessment you want to transform. Choose Power BI as the target.

Select the package to view the associated reports and choose the ones you want to transform.

Choose PBIP as the output type and provide Power BI workspace details where you want to publish the output artifacts. Lastly, save the Power BI conversion stage and the pipeline.

You can execute the pipeline from here.

The BI Conversion stage transforms IBM Cognos datasets and reports to the Power BI-equivalent datasets.

You can now have a look at the migration report and check the Power BI-equivalent output here. As you can see, all Power BI objects are transformed successfully.

LeapLogic provides target-compatible packaged datasets that are ready to be orchestrated and executed as production ready jobs on the modern BI platform. Its unit and integration testing ensure that your transformed code is rigorously validated before productionization.

Here you can see the generated semantic model. From here you can see the Power BI-equivalent output. Under the Data Flow Diagram tab, you can see the entity relationship diagram for the dataset.

Select the dataset for which you want to see the entity relationship diagram. With this data flow diagram, you can get a picture of data flow along with the cardinality.

From here, you can also download the converted artifacts containing the Power BI-equivalent code.

Next, let's log into the Power BI portal after publishing the converted artifacts using the Power BI desktop application.

Here, you can see all the transformed datasets that are deployed into the Power BI premium workspace. You can search and view all converted graphs from here.

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

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