leaplogic

Automated workload transformation from Alteryx to AWS Glue

The freedom of the cloud is on the horizon, but the path to modernization is challenging.

We change that!

LeapLogic can accelerate the migration and modernization of legacy data warehouse, ETL, Hadoop, and analytics systems to an AWS-native stack with up to 95% automation.

Here's a demo of how LeapLogic simplifies the migration of Alteryx workloads to AWS Glue.

It first assesses the existing Alteryx workloads and provides a detailed analysis of components and their inventory that helps us effectively plan the migration journey.

It assesses the existing inventory and gives a high-level overview of workloads, including complexity across Alteryx documents, queries, the total number of nodes, and more.

The page provides the complexity, total number of components, and number of components belonging to the AI, ML, NLP, Reporting, and SAS buckets for each file.

Here, you can see a comprehensive summary of the entities segregated by their types, such as tables and files.

You can also visit the Artifacts page to find the missing artifacts in the input.

Here, you can view all the interdependencies between all Alteryx components, along with end-to-end process lineage.

Reports with comprehensive insights can be downloaded for offline use. The detailed report provides information on nodes, macros, entities, and more. You can go to its summary to get an overview of the Alteryx report components and their inventories.

The Nodes section provides details of all nodes with additional information on GUI settings, category types, and more. You can view the connection details of the nodes, including the start and destination nodes.

Macro information lists all macros along with the status of each macro. Entities information provides details on queries, source data files, file types, and more.

The unparsed files section lists all files that could not be parsed, along with the path of these files and messages. You can visit the Additional File section to view all artifacts that appear additionally, along with the path of these files and messages.

Next, let's have a look at the Alteryx to AWS Glue transformation pipeline.

LeapLogic's transformation pipeline can convert all Alteryx workloads end-to-end to the AWS Glue equivalent.

Here's how the pipeline is configured.

After selecting the source type as Alteryx, upload the source files that you need to convert, and select the target data source where the converted code will be placed. Select the target type as AWS Glue and provide the database details.

Also, provide the AWS Glue Catalog Database connection details to connect the database and schema. Add the S3 storage repository path in the S3 Bucket Base path to store the files at the specified location.

Simply save the pipeline. You can also re-execute it if required.

Now, let's look at the output of the Alteryx conversion. The ETL conversion stage transforms legacy Alteryx workloads to the AWS Glue equivalent code. Here, you can see that all scripts are successfully auto transformed.

LeapLogic also provides target-compatible packaged code that is ready to be orchestrated and executed as production-ready jobs on the target platform.

From here, you can view the AWS Glue Console equivalent output. You can also check the AWS Glue Studio equivalent output.

That's it! You can now simply download the converted package, which can be easily executed in the AWS Glue environment.

LeapLogic also automates rigorous validation tests and handles orchestration, so you'll reach your destination sooner and avoid business disruption.

And when you do, LeapLogic assists with cloud optimization and capacity planning, ensuring the performance of transformed workloads in your new AWS-native stack.

Choose LeapLogic to migrate workloads from Alteryx to AWS Glue – faster, at lower cost and with lower risk.

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