



Automated workload transformation from AWS Glue 0.9 to 4.0

VIDEO TRANSCRIPT

Do you want to make the most of the latest AWS Glue features, but can't seem to modernize workloads from older versions without any disruption?

We change that!

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

With LeapLogic, you can automate the migration of ETL workloads from AWS Glue 0.9 to 4.0 while preserving business logic.

Let's have a look at how LeapLogic assesses and transforms Glue 0.9 scripts to Glue 4.0 compatible version.

Here, we have considered a use case based on the typical data lake architecture where raw data is ingested into the cloud storage location,

which is further refined and aggregated.

To start with, let's assess the existing Glue 0.9 scripts with LeapLogic's code assessment feature. Simply provide a code assessment name and choose the engine as AWS Glue. Review the source and target combination for Glue and load the scripts from your system. Once you execute the Glue jobs, you can see its summary and a detailed migration inventory, listing the changes required in the uploaded scripts to make the code work on the upgraded environment.

Now, just go to your dashboard to commence the transformation of Glue 0.9 jobs to Glue 4.0 version. Select the transformation type, enter the transformation name, and choose the workload category as ETL. Select the source and target platforms, upload your scripts, and click Execute to proceed. Here, you can choose to transform individual files or all files at one go.

Once the files are transformed by LeapLogic, you can also have a side-by-side code comparison between the original and transformed code. You can see that the existing code has been transformed to make it compatible with Glue 4.0 version. LeapLogic provides target-compatible packaged code that is ready to be orchestrated and executed as production-ready jobs on AWS.

Now, let's create a Glue job to move data from the raw layer to the silver layer. For this, you can first download the transformed code from LeapLogic and extract it on your system.

Go to AWS Glue Studio, create a new job, and upload the transformed script. Before you run it, ensure no data is present at the silver layer. Click Create, provide basic properties, and save the job. You can now just run the job and wait for a while, as its status will change from *running* to *succeeded*.

Similarly, you can create another job to move your clean data from the silver layer to the gold layer where your data will be transformed and aggregated based on your business requirements.

Before starting the job, make sure that the gold layer is empty. Now, you can create a job on Glue Studio and upload the transformed script from your system. Enter its basic details, save it, and run the job. Its status will be changed from *running* to *succeeded* in a while. That's it! Your data has been moved from the silver layer to the gold layer.

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 legacy platforms to the latest AWS Glue version – 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.