AWS Glue pricing

Why Glue?

With AWS Glue, you pay an hourly rate, billed by the second, for crawlers (discovering data) and extract, transform, and load (ETL) jobs (processing and loading data). For the AWS Glue Data Catalog, you pay a simplified monthly fee for storing and accessing the metadata. The first million objects stored are free, and the first million accesses are free. If you provision a development endpoint to interactively develop your ETL code, you pay an hourly rate, billed per second. For AWS Glue DataBrew, the interactive sessions are billed per session, and DataBrew jobs are billed per minute. Usage of the AWS Glue Schema Registry is offered at no additional charge.

Note: Pricing can vary by AWS Region.

ETL jobs and interactive sessions | Data Catalog | Crawlers | DataBrew interactive sessions | DataBrew jobs | Data Quality | Zero-ETL

With AWS Glue, you only pay for the time that your AWS Glue extract, transform, and load (ETL) jobs takes to run. There are no resources to manage, and no upfront costs, and you are not charged for startup or shutdown time. AWS charges an hourly rate based on the number of Data Processing Units (DPUs) used to run your AWS Glue jobs. A single DPU provides 4 vCPU and 16 GB of memory. AWS bills for jobs and AWS Glue Interactive Sessions in increments of 1 second, rounded up to the nearest second.

There are four types of AWS Glue jobs: Apache Spark, Apache Spark Streaming, Ray (preview), and Python Shell. Spark and Spark Streaming job runs require a minimum of 2 DPUs. By default, AWS Glue allocates 10 DPUs to each Spark job and 2 DPUs to each Spark Streaming job. Jobs that use AWS Glue versions 2.0 and later have a 1-minute minimum.

For Python Shell jobs, you can allocate either 1 DPU or 0.0625 DPU. By default, AWS Glue allocates 0.0625 DPU to each Python Shell job. These jobs have a 1-minute minimum billing duration.

Interactive Sessions are optional, and billing applies only if you use them for interactive ETL code development. AWS charges for Interactive Sessions based on the time the session is active and the number of DPUs. Interactive Sessions have configurable idle timeouts. Interactive Sessions require a minimum of 2 DPUs and have a default of 5 DPU. There is a 1-minute minimum billing duration for each provisioned Interactive Session. AWS Glue Studio Job Notebooks provide a built-in interface for Interactive Sessions. AWS does not charge for Job Notebooks but does charge for the Interactive Sessions they use.

Development endpoints are optional, and billing applies only if you use them for interactive ETL code development. AWS charges for development endpoints based on the time the endpoint is provisioned and the number of DPUs. Development endpoints do not time out. Development endpoints require a minimum of 2 DPUs and have a default of 5 DPU. There is a 10-minute minimum billing duration for each provisioned development endpoint.

With AWS Glue Studio data previews, you can test your transformations during the job-authoring process. Each AWS Glue Studio data preview session uses 2 DPUs, runs for 30 minutes, and automatically stops.

Pricing

Region:

Europe (London)

- $0.44 per DPU-hour for each **Apache Spark** or **Spark Streaming job**, billed per second with a 1-minute minimum (Glue version 2.0 and later) or 10-minute minimum (Glue version 0.9/1.0)
- $0.29 per DPU-hour for each **Apache Spark job with flexible execution**, billed per second with a 1-minute minimum (Glue version 3.0 and later)
- $0.44 per DPU-hour for each **Python Shell** job, billed per second, with a 1-minute minimum
- $0.44 per DPU-hour for each provisioned **development endpoint**, billed per second with a 10-minute minimum
- $0.44 per DPU-hour for each **Interactive Session**, billed per second with a 1-minute minimum
- $0.44 per DPU-hour for **AWS Glue Data Quality** in AWS Glue Data Catalog, AWS Glue ETL, and anomaly detection

Additional charges

If you ETL data from data sources such as Amazon Simple Storage Service (Amazon S3), Amazon Relational Database Service (Amazon RDS), or Amazon Redshift, you are charged standard request and data transfer rates. If you use Amazon CloudWatch, you are charged standard rates for Amazon CloudWatch Logs and CloudWatch events.

Pricing examples

ETL job: Consider an AWS Glue Apache Spark job that runs for 15 minutes and uses 6 DPU. The price of 1 DPU-hour is $0.44. Since your job ran for 15 minutes and used 6 DPUs, AWS will bill you 6 DPU * 0.25 hour * $0.44, or $0.66.

AWS Glue Studio Job Notebooks and Interactive Sessions: Suppose you use a notebook in AWS Glue Studio to interactively develop your ETL code. An Interactive Session has 5 DPU by default. The price of 1 DPU-hour is $0.44. If you keep the session running for 24 minutes, you will be billed for 5 DPUs * 0.4 hours * $0.44, or $0.88.

Note: Pricing can vary by Region.

View the Global Regions table to learn more about AWS Glue availability.

Get started with Glue

Try AWS Glue at no cost →

Build with AWS Glue →

Integrate your data →

Get Started with AWS

Learn how to start using AWS in minutes

AWS Free Tier

Gain free, hands-on experience with AWS for 12 months

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