Reference:

FAQs

Category:

Migration and Transfer:

AWS Database Migration Service (AWS DMS)

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What?

- AWS DMS is a cloud service that makes it easy to migrate relational databases, data warehouses, NoSQL databases, and other types of data stores into the AWS Cloud or between combinations of cloud and on-premises setups.
- During migration the source database remains fully operational, minimizing downtime for applications relying on the database.

Why?

- AWS DMS supports homogeneous migrations as well as heterogeneous migrations between different database platforms.
- DMS manages all the complexities of the migration process including automatically replicating data changes that occur in the source database during the migration process without any need to install any drivers or applications.

When?

- You want to perform one-time migrations and/or replicate ongoing changes to keep sources and targets in sync.
- If you want to migrate to a different database engine, you can use the AWS Schema Conversion Tool (AWS SCT) to translate your database schema to the new platform. You then use AWS DMS to migrate the data.

Where?

- AWS DMS replication instance is deployed in a region. It supports Multi-AZ deployment and automatically provisions and maintains a standby replica of the replication instance in a different Availability Zone.
- At least one of endpoint (source or destination) must be on an AWS service.

Who?

- AWS DMS automatically manages the deployment, management, and monitoring of all hardware and software needed for your migration. You can scale up (or scale down) your migration resources as needed to match your actual workload.
- You create an AWS DMS migration by creating the necessary replication instance, endpoints, and replication tasks.

How?

- AWS DMS uses a replication instance (a manged EC2 instance that runs replication software) for migration.
- At a high level you create a replication server, create source and target endpoints that have connection information about your data stores and create one or more migration tasks to migrate data between the source and target data stores.

How much?

- You pay for your replication instances (by the hour) and any additional log storage.
- All data transfer into AWS DMS is free, and data transferred between AWS DMS and databases in Amazon RDS and Amazon EC2 instances in the same Availability Zone also is free.