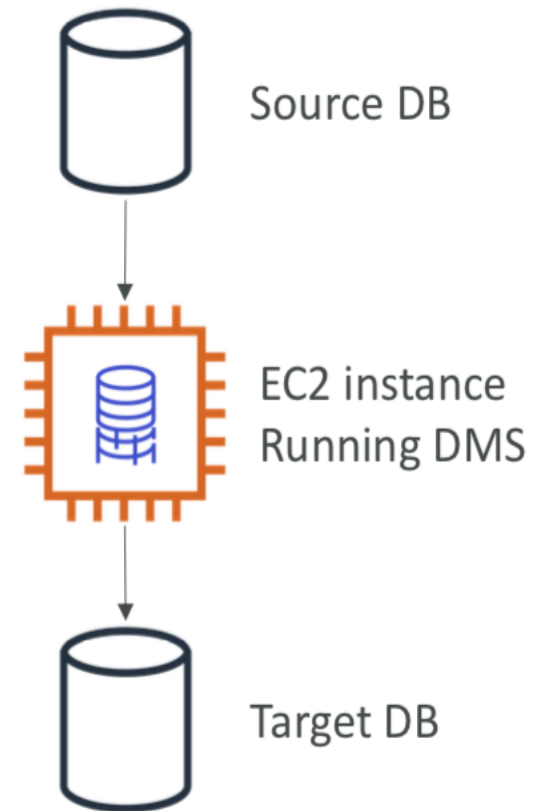




Database Migration Service

AWS Database Migration Service (DMS)

- + Quickly and securely migrate databases to AWS, resilient, self healing
- + The source database remains available during the migration
- + Supports:
 - + Homogeneous migrations: ex Oracle to Oracle
 - + Heterogeneous migrations: ex Microsoft SQL Server to Aurora
- + Continuous Data Replication using CDC
- + You must create an EC2 instance to perform the replication tasks



DMS Sources and Targets

+ SOURCES:

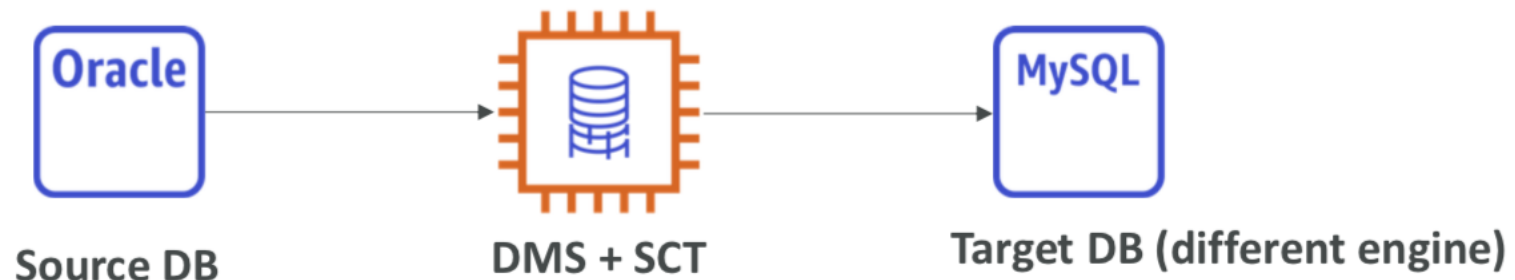
- + On-Premise and EC2 instances databases: *Oracle, MS SQL Server, MySQL, MariaDB, PostgreSQL, MongoDB, SAP, DB2*
- + Azure: *Azure SQL Database*
- + Amazon RDS: all including Aurora
- + Amazon S3

+ TARGETS:

- + On-Premise and EC2 instances databases: Oracle, MS SQL Server, MySQL, MariaDB, PostgreSQL, SAP
- + Amazon RDS
- + Amazon Redshift
- + Amazon DynamoDB
- + Amazon S3
- + ElasticSearch Service
- + Kinesis Data Streams
- + DocumentDB

DMS Schema Conversion Tool(SCT)

- + Convert your Database's Schema from one engine to another
- + Example OLTP: (SQL Server or Oracle) to MySQL, PostgreSQL, Aurora
- + Example OLAP: (Teradata or Oracle) to Amazon Redshift



- + You do not need to use SCT if you are migrating the same DB engine
 - + Ex: On-Premise PostgreSQL => RDS PostgreSQL
 - + The DB engine is still PostgreSQL (RDS is the platform)