

AWS Database Migration Service



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Overview



What is DMS?

DMS Basics

- Sources and targets
- Replication instances
- Replication tasks

Snowball Edge and DMS



What is AWS DMS?



AWS DMS

DMS lets you quickly and securely migrate the most widely used databases to AWS while keeping the source database fully operational.



Why DMS?



Works with most popular databases



Low cost



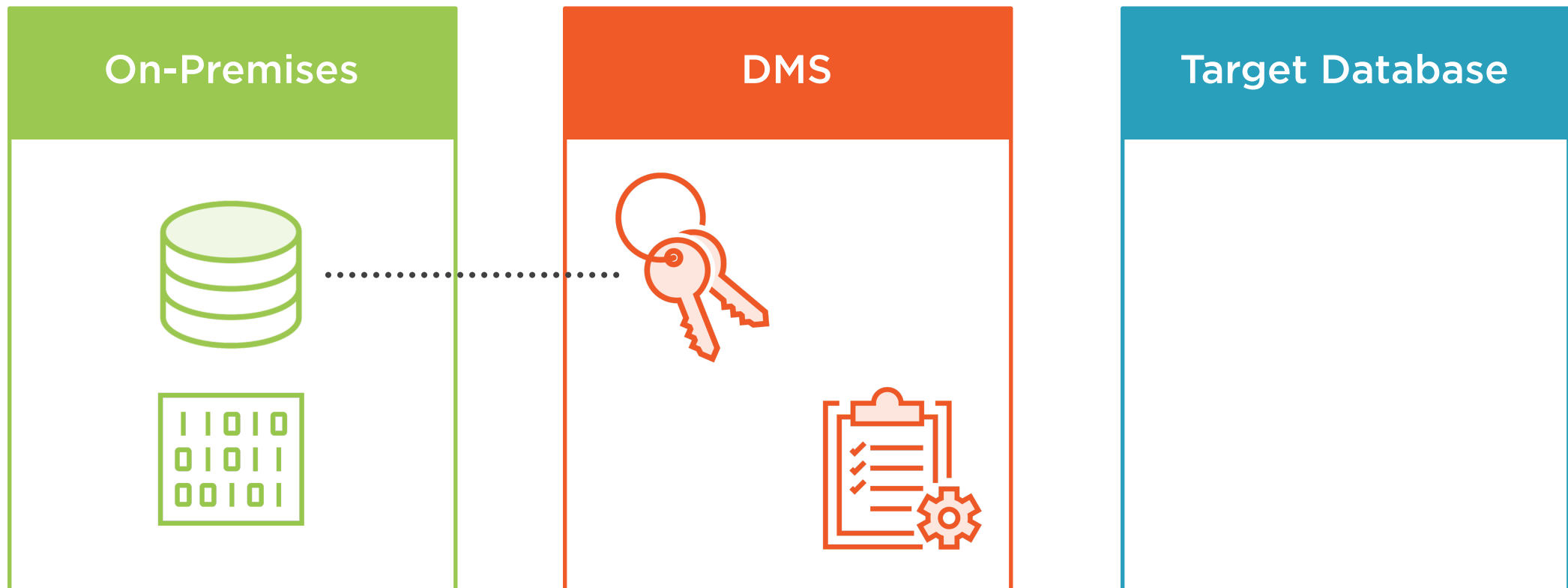
Minimal downtime



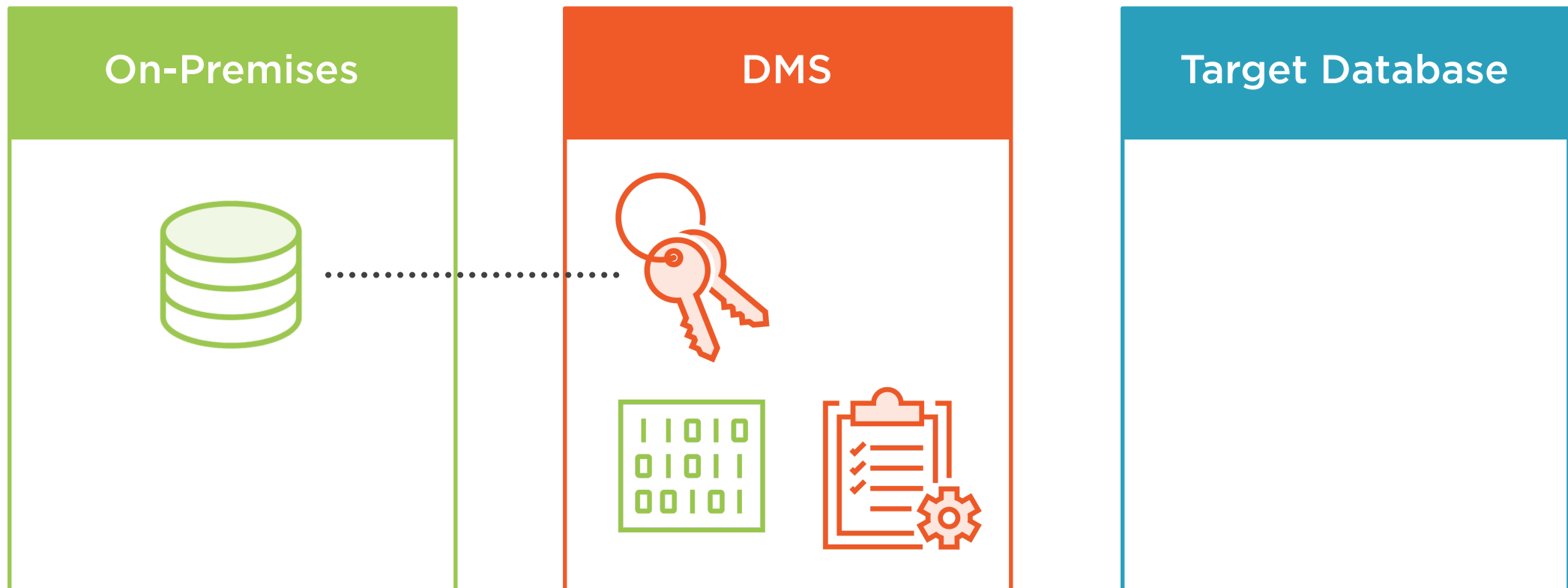
Easy to use



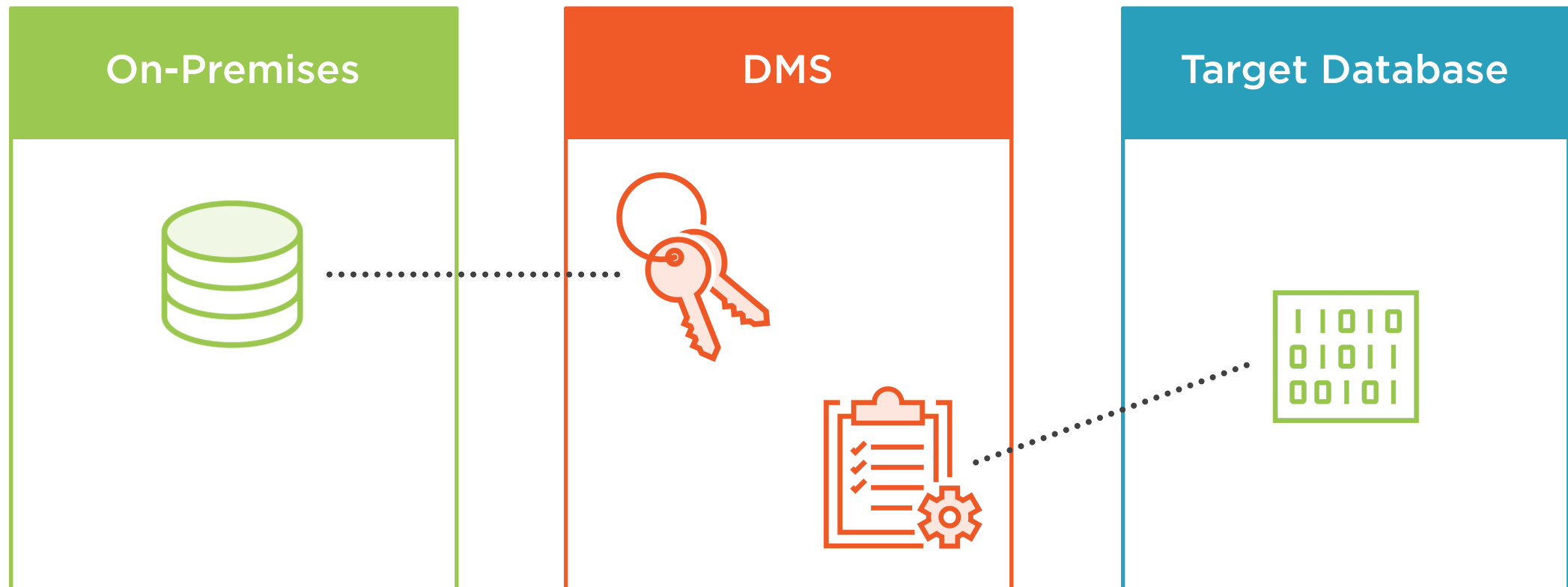
Visualizing a Migration with DMS



Visualizing a Migration with DMS



Visualizing a Migration with DMS



DMS Sources and Targets



Sources and Targets



Sources



Targets

Supported Sources and Targets

Source

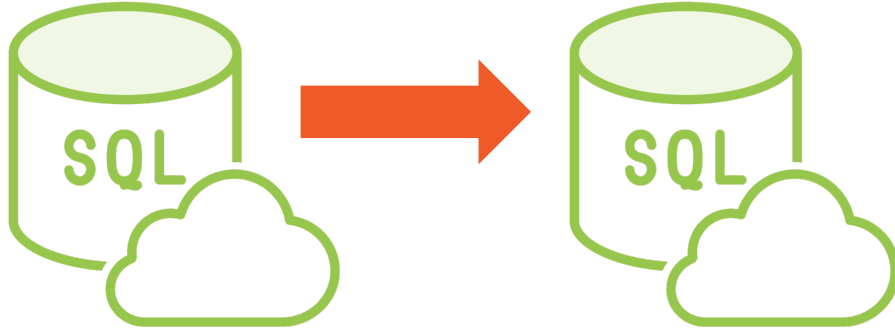
Oracle
Microsoft SQL Server
MySQL
PostgreSQL
MariaDB
Db2 LUW
SAP
MongoDB
Amazon Aurora

Target

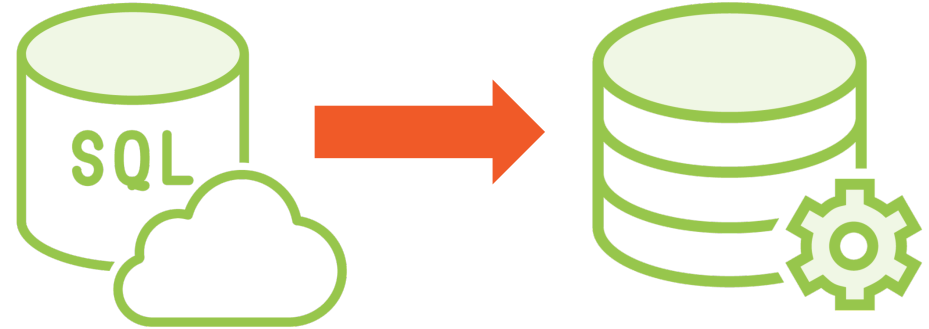
Oracle
Microsoft SQL Server
MySQL
PostgreSQL
Amazon Redshift
SAP ASE
Amazon S3
Amazon DynamoDB



DMS Migration Types



Homogeneous

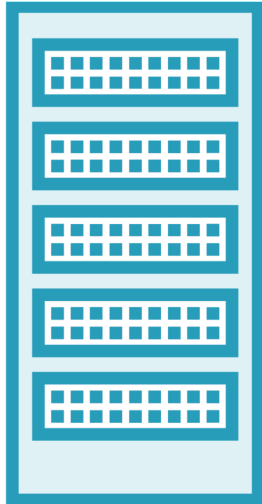


Heterogeneous

DMS Replication



Replication Instance and Tasks

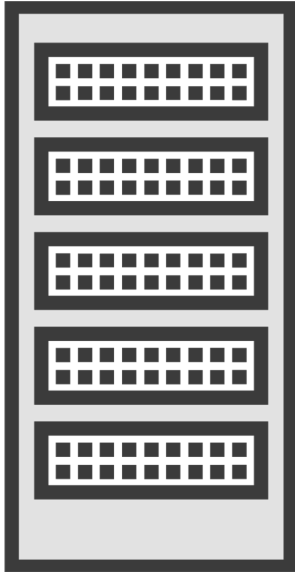


Replication Instance



Replication Tasks

Replication Instance



Amazon EC2 Instance



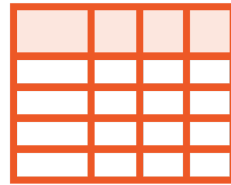
Multi-AZ Option



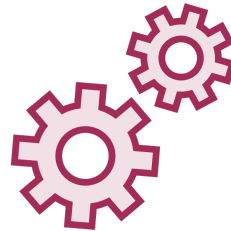
Multiple instance options



Replication Tasks



Data tables to migrate from



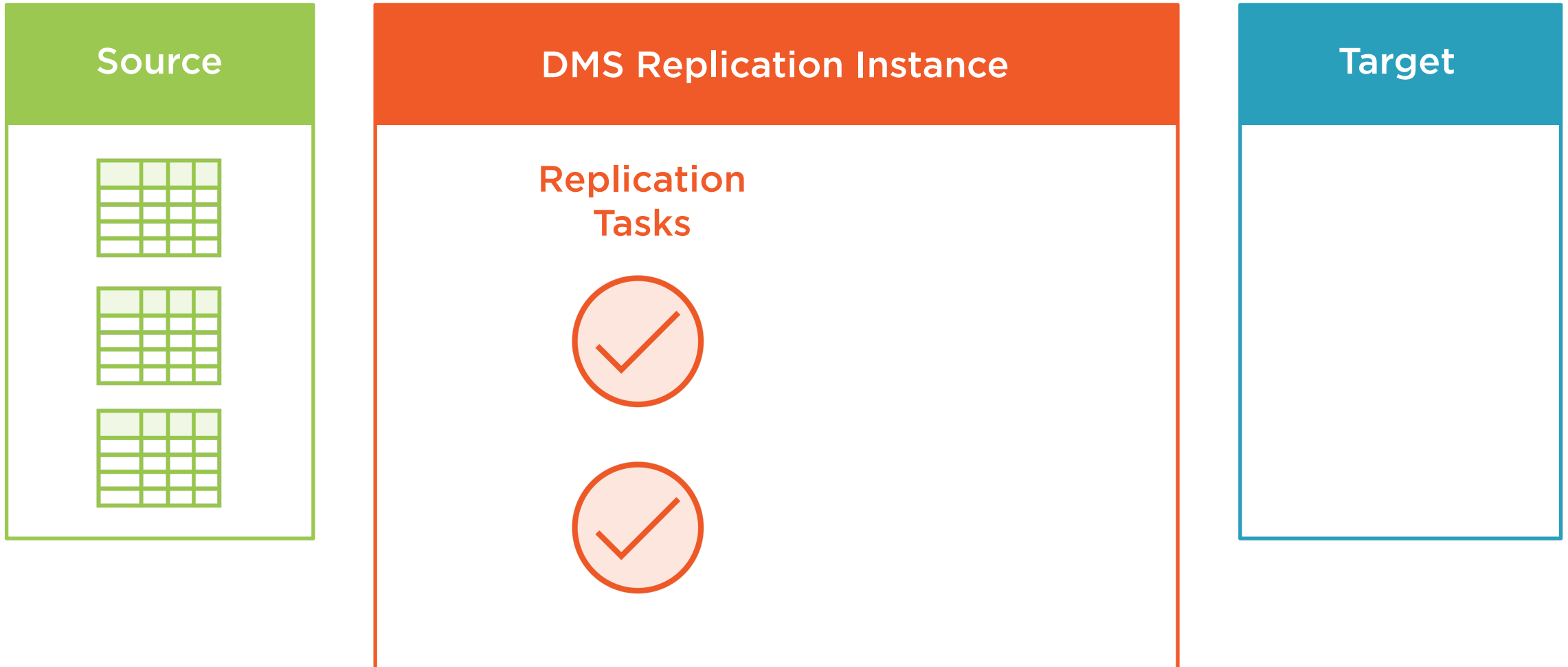
Transformations to apply



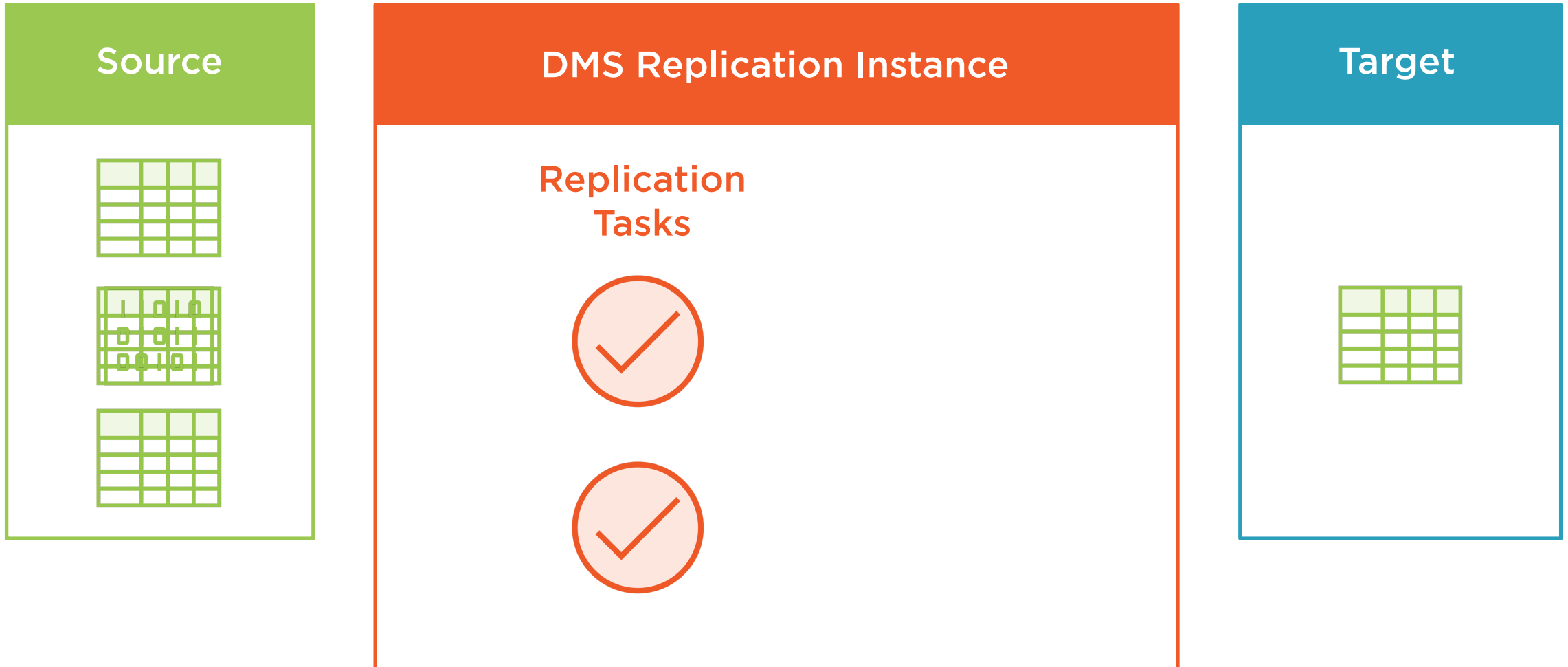
Destination to migrate to



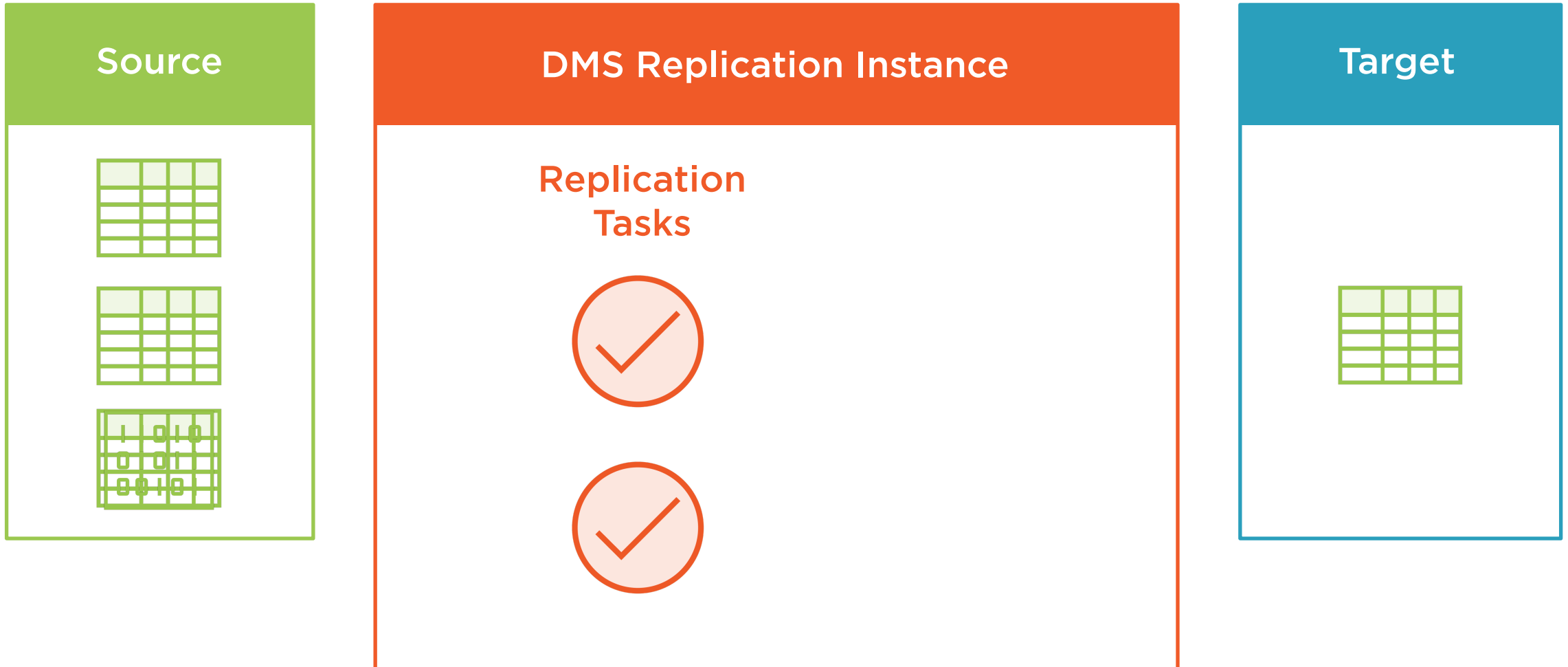
Visualizing Replication



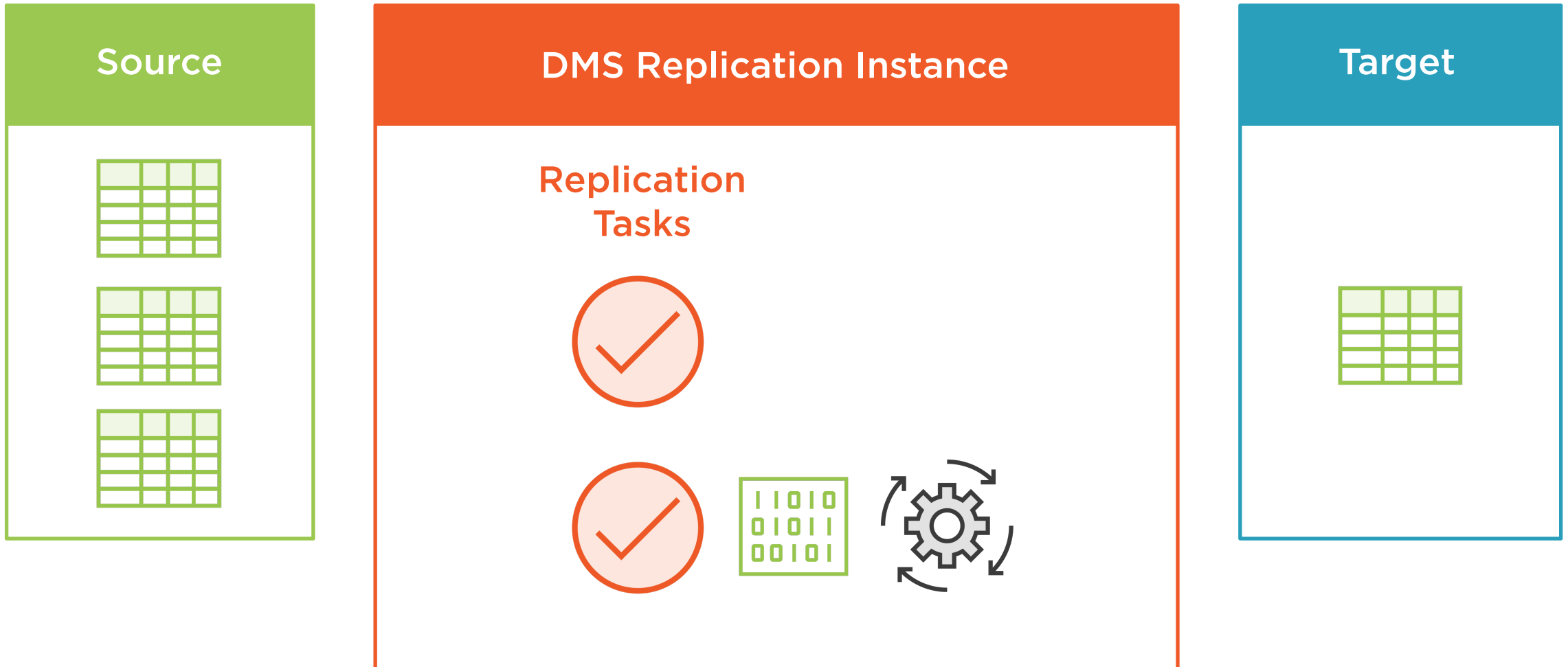
Visualizing Replication



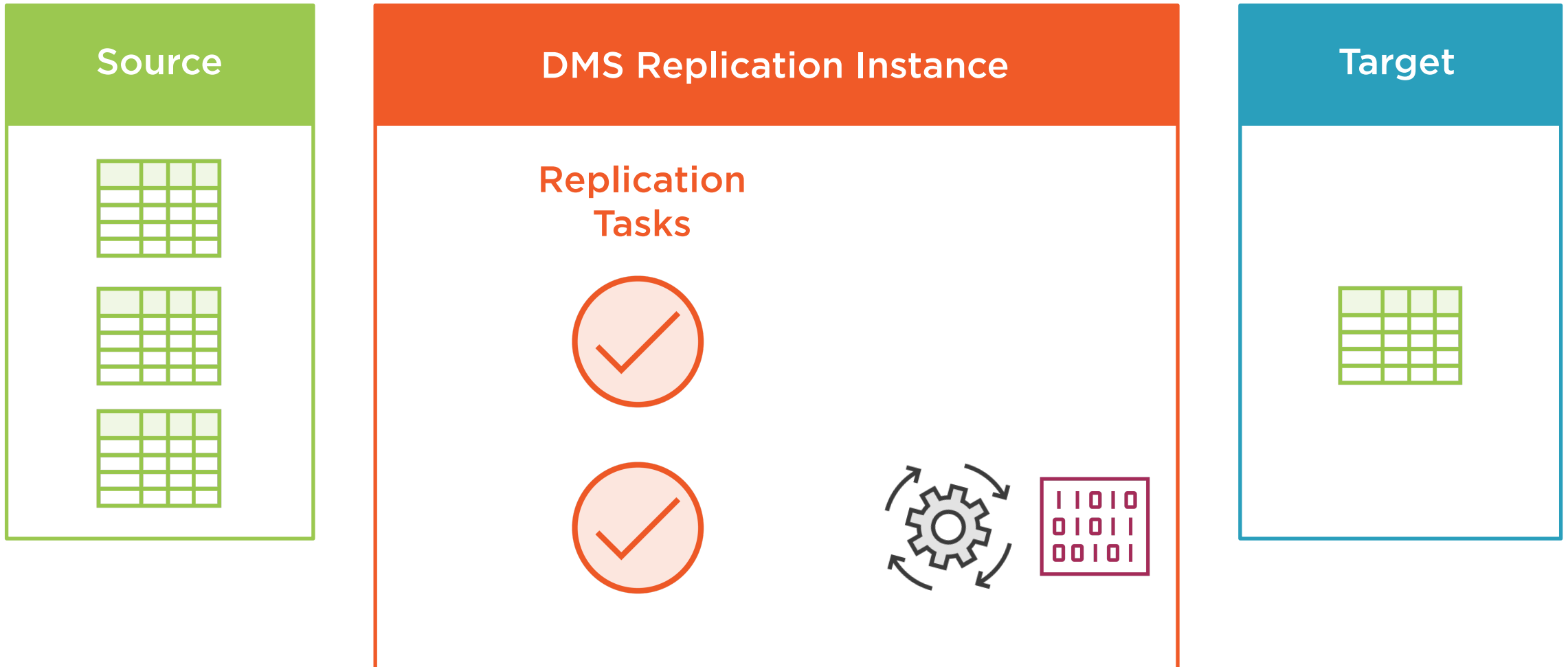
Visualizing Replication



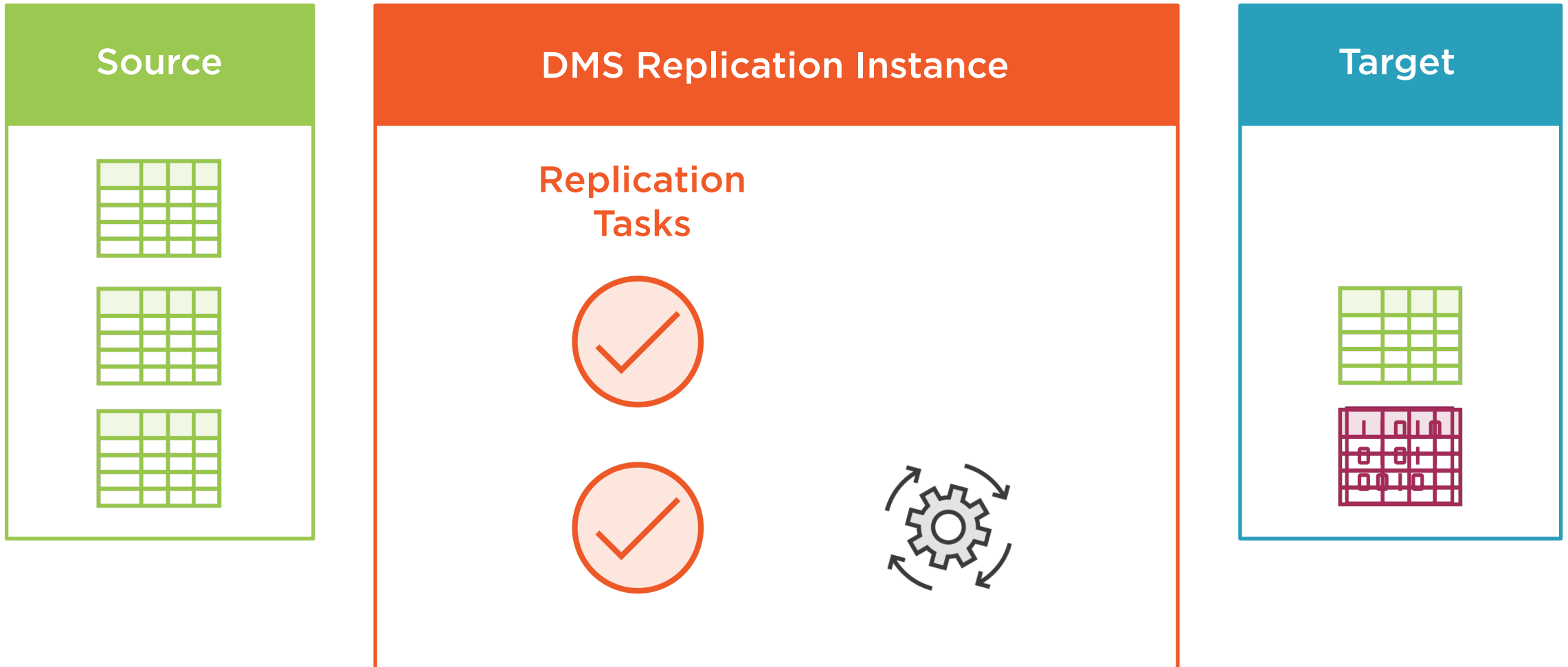
Visualizing Replication



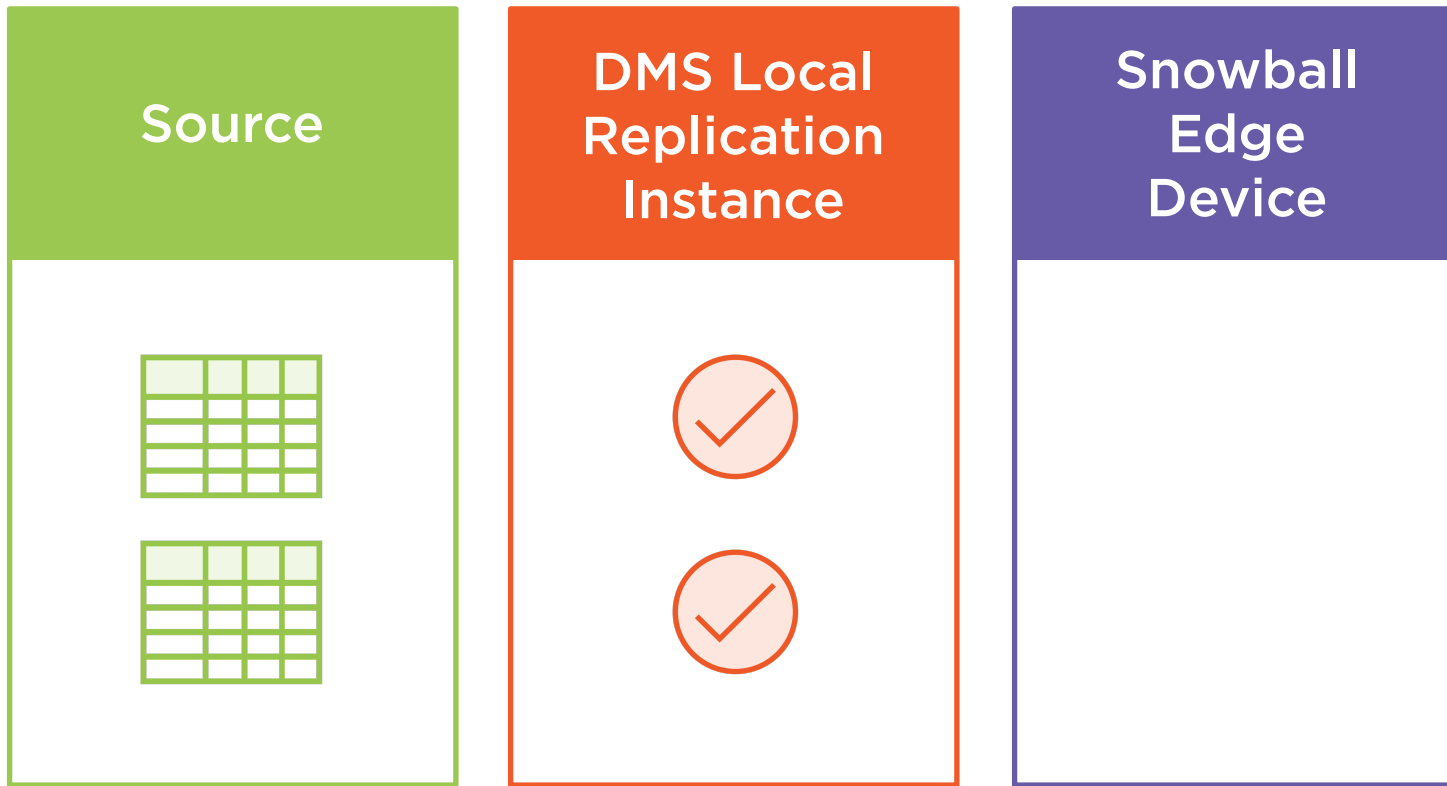
Visualizing Replication



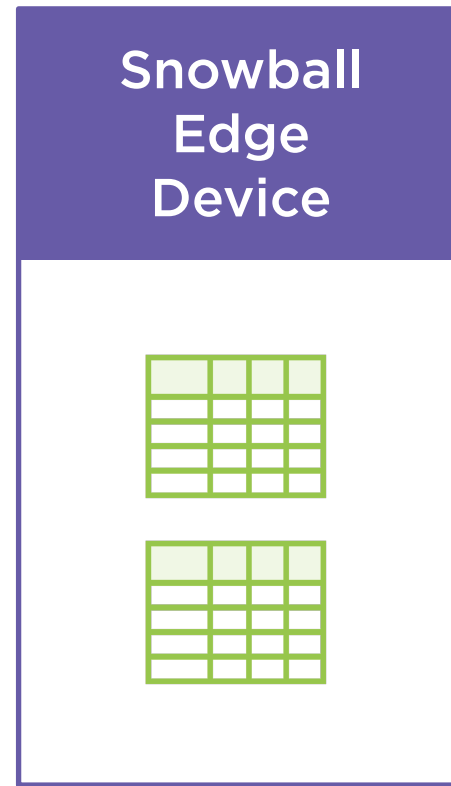
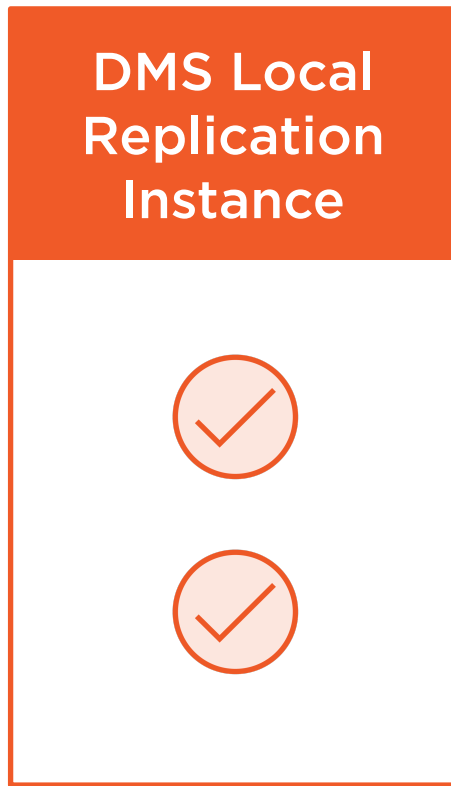
Visualizing Replication



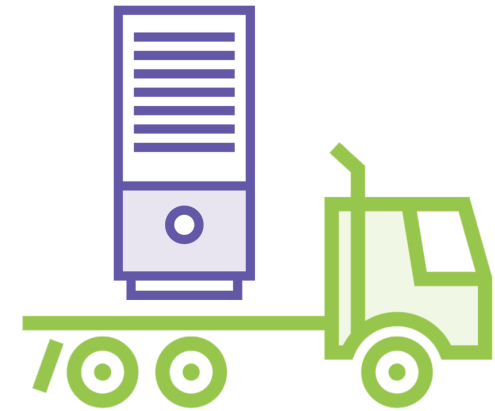
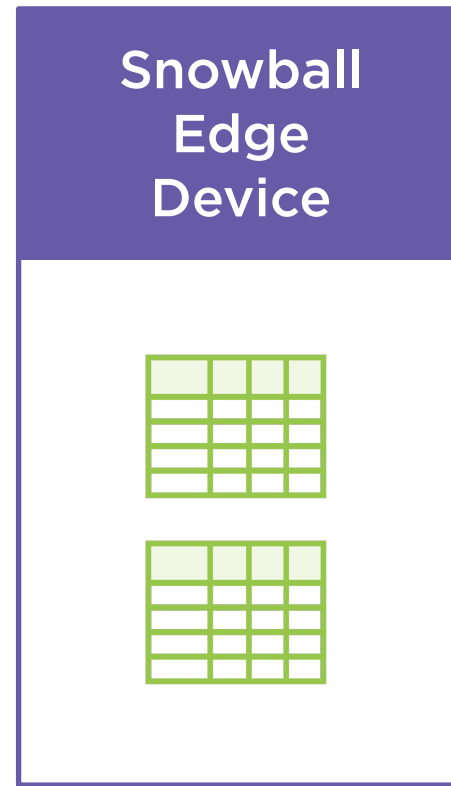
Snowball Edge and DMS



Snowball Edge and DMS



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Snowball Edge and DMS



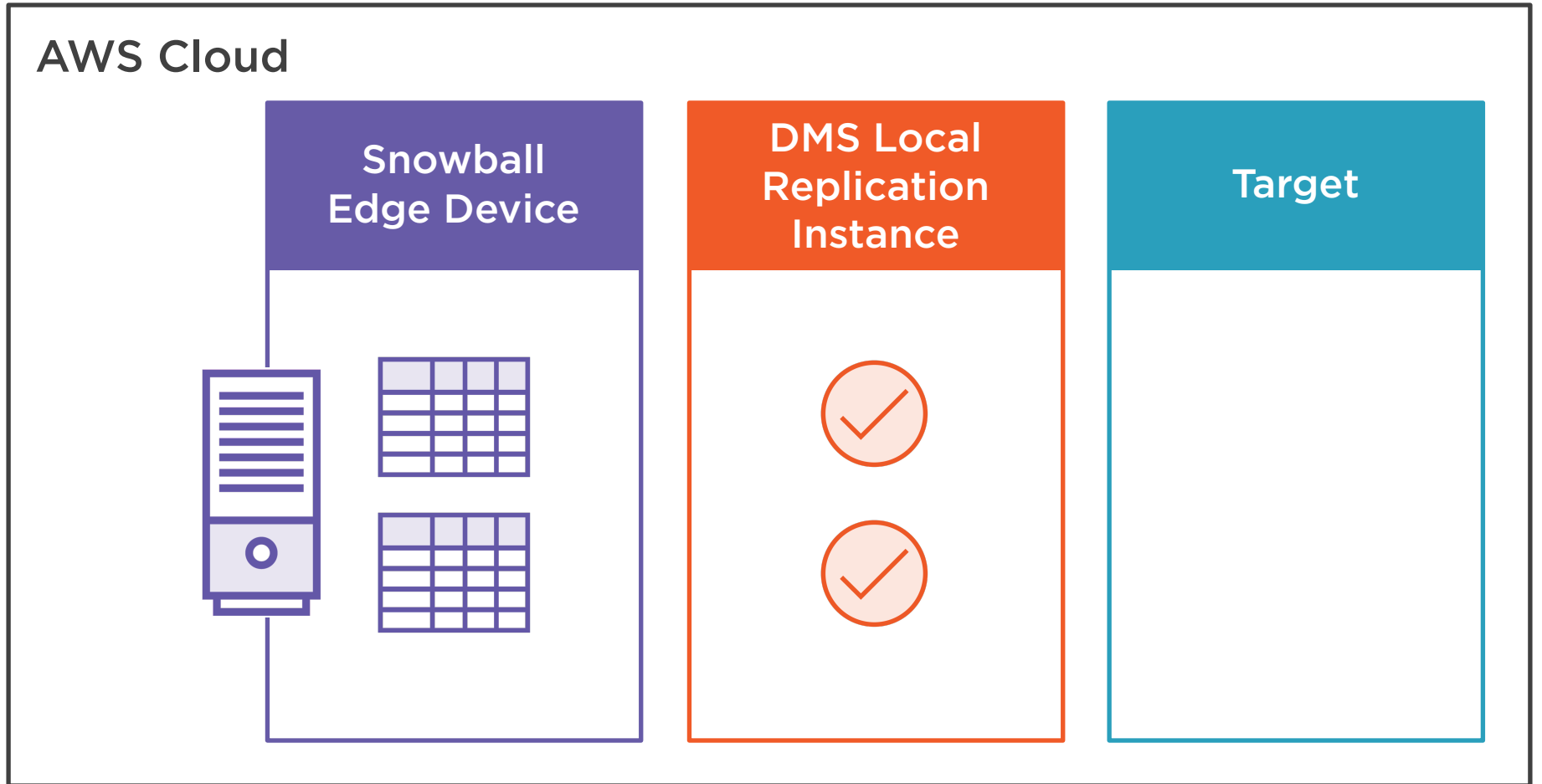
AWS Cloud

**DMS Local
Replication
Instance**

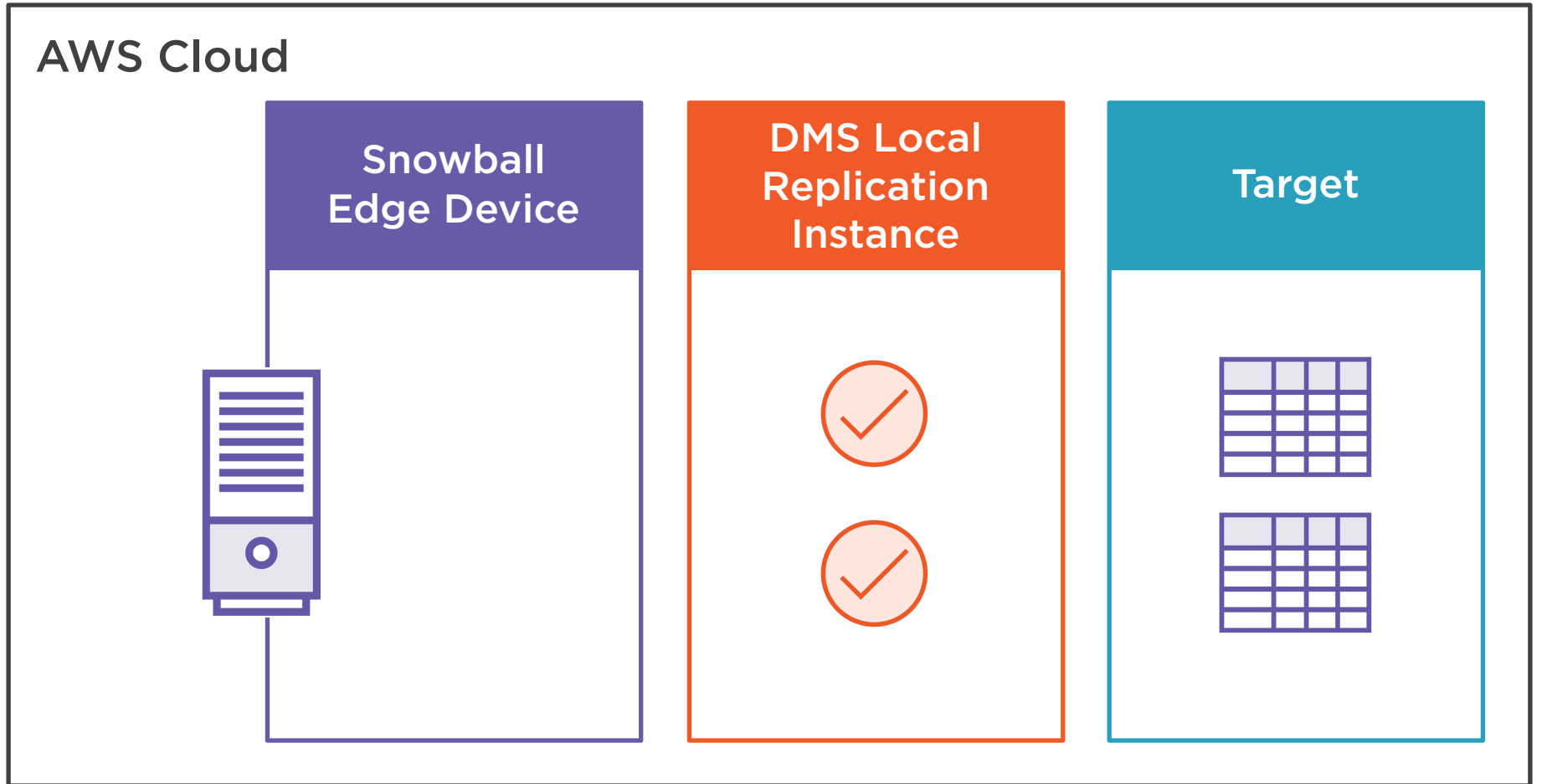
Target



Snowball Edge and DMS



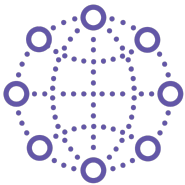
Snowball Edge and DMS



Why Use Snowball Edge with DMS?



When the source database is massive



When network connectivity might be an issue



When you still want the same benefits of using DMS



Summary



Kinesis family services

Analytics with Kinesis Data Streams

Kinesis Firehose

- AWS Lambda Transformation
- Delivery to S3

Snow family

- Snowball Edge and Snowmobile

Direct Connect

DMS



What Next?

More AWS data tools

- Storing Data on AWS
- Connecting DynamoDB to Your Applications

Processing tools

- Introduction to AWS Lambda
- Serverless Framework

Internet of Things

- AWS IoT: The Big Picture



Thank you!

