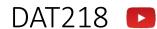
What's new with database migrations

John Winford

Sr. Manager Database Services

Ryan Shevchik

Principal DB Specialist SA



What's new with database migrations

Speakers

- John Winford, Sr. Manager, AWS
- ryan shevchik, Principal Solutions Architect, AWS

Relevant Announcements

❖ New − DMS Schema Conversion

Takeaways

The database migration service is a great tool for data migration and data movement.

Azure

Azure has the <u>Database Migration</u> Service.

Why Migrate

- Typical Cloud Reason, Faster, Better, Cheaper
 - Great Slide covering the types of migration

Migration Tools & Services

Assess, Mobilize, Accelerate

Migration Database Service

- A Swiss Army Knife for Database Migrations
- Can also used to migrate from on-prem cloud on-prem
- Database stays live even when migrating
- It can also be used for data movement, not just migrations.
- DMS Fleet Advisor for analyzing migrations at scale
- Schema Conversion Tool for migrating between disparate databases or for refactoring

New Capabilities

- New Since last year
 - DMS Babelfish target, Db2 mainframe, SQL Server read replica, VPC endpoints, Pre-flight enhancements, Enhanced logging and Time Travel, AL2 and Gen6 instances, IPv6
 - SCT Babelfish assessments, Snowflake schema conversion, Azure Synapse, Amazon Redshift Serverless, Google BigQuery to Amazon Redshift, SSIS to AWS Glue Studio, Informatica to Amazon Redshift redirector, Improved code conversion
- New AWS DMS Schema Conversion

Allows you to do all your migrations in one place.

Demos

- Demo DMS Schema Conversion
- <u>Demo</u> DMS Automation

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Modernizing leads to maximum innovation velocity and optimal total cost of ownership

premises and shift

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AWS Database Migration Service (AWS DMS)

SECURELY MIGRATE YOUR DATABASES AND DATA WAREHOUSES TO AWS WITH EASE & MINIMAL DOWNTIME



Managed migration

Automated migration service will discover, assess, convert, and migrate your database and analytics workloads to AWS

Just a few clicks to start the process



Move to managed

Breadth of options

Migrate data to and from most widely used commercial and open-source databases

Supports SQL, NoSQL, text-based, and data warehouse targets



Break free from

legacy databases

High availability

Multi-AZ option; highly resilient and self–healing with continuous replication and monitoring for minimal downtime



Total

cost of

ownership

(TCO)

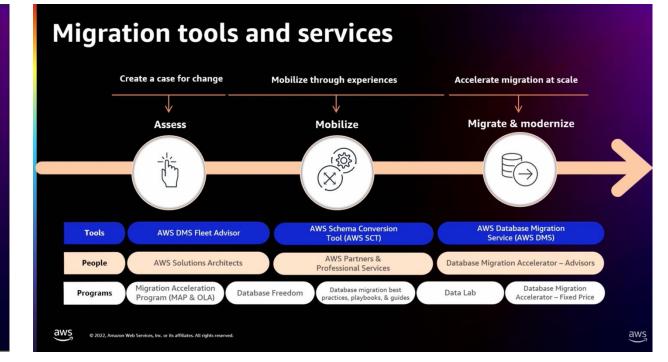
Modernize with

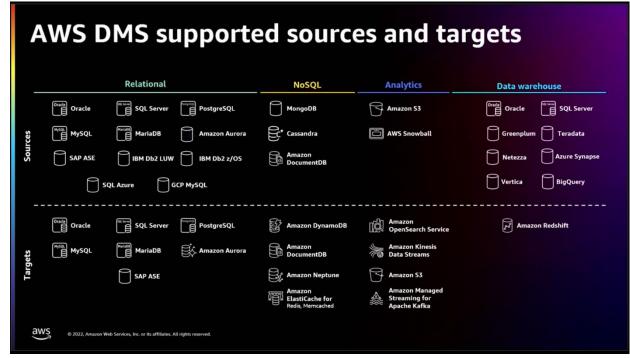
purpose-built databases

Low cost

Self-service tool

Only pay for compute resources and additional log storage used





AWS DMS Fleet Advisor

AUTOMATICALLY INVENTORIES AND ASSESSES ON-PREMISES DATABASE AND ANALYTICS SERVER FLEETS



Identify databases to migrate at scale with minimal effort



Save on costs associated with migration planning and migrating workloads



Build a migration plan in hours instead of weeks



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AWS Schema Conversion Tool (AWS SCT)

CONVERT YOUR COMMERCIAL DATABASE AND DATA WAREHOUSE SCHEMAS TO AWS



Automated inventory and migration recommendations to accelerate migrations



Converts schema and code objects to target engine

Supports a wide variety of source and target databases and data warehouses



Extracts and migrates data warehouses to Amazon Redshift

aws)

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Common customer use cases



Migrate

Migrate business-critical applications and data warehouses

Migrate from NoSQL to SQL, SQL to NoSQL, or NoSQL to NoSQL

Upgrade to a minor/major version

Consolidate and archive data



Replicate

Create cross-Region read replicas

Hydrate your data lakes/ data warehouses

Replicate to streaming platform



Modernize

Move to AWS modern managed databases like Aurora, DynamoDB, and Amazon Redshift for faster innovation

Break free from legacy databases to save, grow, and innovate

New since last year

AWS DMS

- Babelfish target
- Db2 mainframe
- SQL Server read replica
- VPC endpoints
- Pre-flight enhancements
- Enhanced logging and Time Travel
- AL2 and Gen6 instances
- IPv6

AWS SCT

- Babelfish assessments
- Snowflake schema conversion
- Azure Synapse
- Amazon Redshift Serverless
- Google BigQuery to Amazon Redshift
- SSIS to AWS Glue Studio
- Informatica to Amazon Redshift redirector
- Improved code conversion

