

AWS ONLINE TECH TALK

Getting started with DMS Fleet Advisor

Accelerate database and analytics migration planning

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Agenda

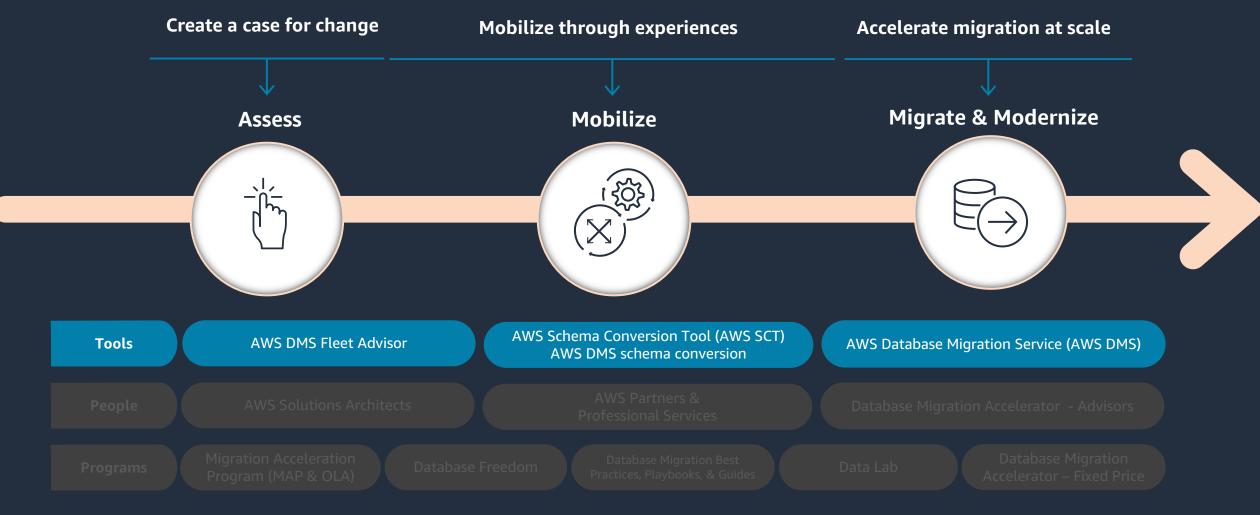
What is AWS Database Migration Service (DMS)

What is AWS DMS Fleet Advisor

AWS DMS Fleet Advisor Demo



AWS Database Migration Service



AWS DMS Fleet Advisor

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





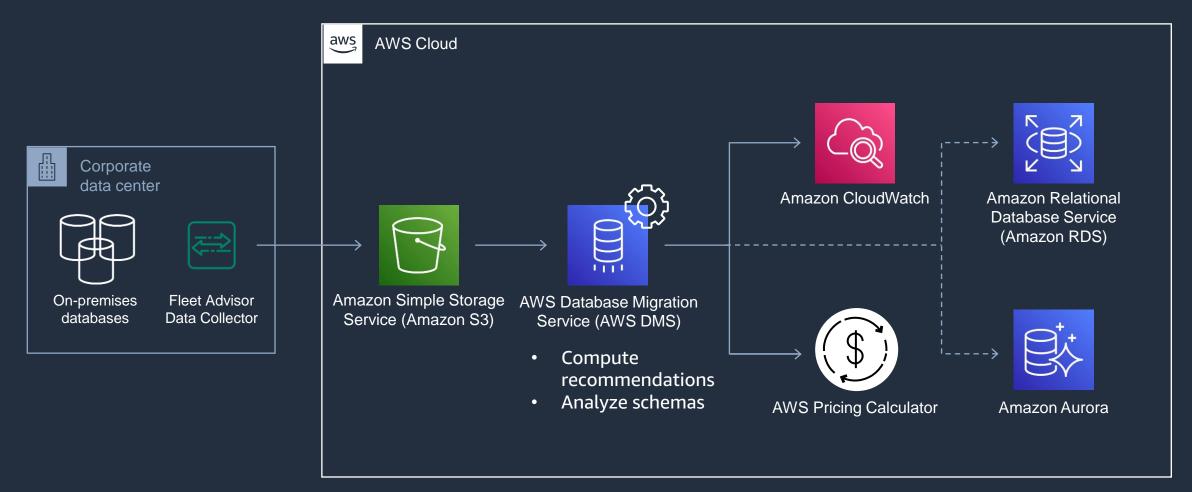




Operating System and database discovery Identify migration limitations and action items early Gather utilization data to identify rightsized database instances for migration Estimate costs associated with migrating to AWS



How does it work?





Metrics Collected



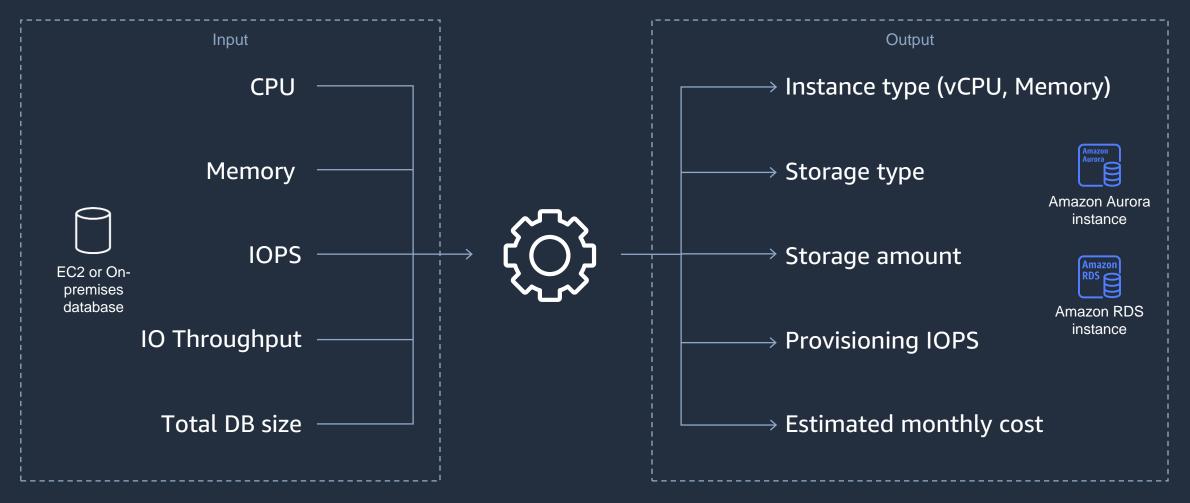
Database Metadata Schema structure Database version Schema and table count Trigger count View count Stored procedure count Migration Assessment Database support dates Complexity Similarity Code size and line count

Not Collected

Row details (ie. no data from user tables is obtained)



Recommendation Algorithm





Local data collector

Install via .MSI installer

- Configure credentials for data forwarding
- Configure connection to LDAP (optional)
- Discover OS and database servers
- Select monitored objects
- Collect data

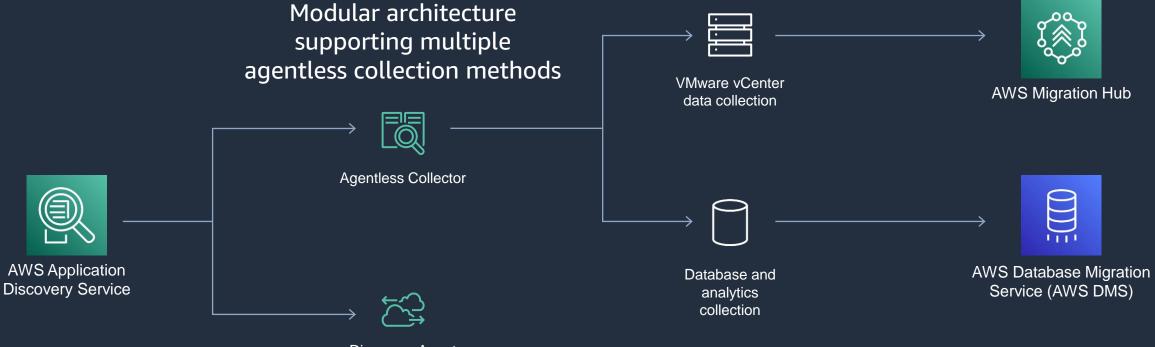
= aws phis collector Sign out							
Û	Home	₿ M	€ Monitored objects				Run data collection ×
周	Discovery	All OS servers Database servers					Choose how to collect data for analysis in DMS.
LOUD	Monitored objects						Metadata and database capacity Collects information from the database or OS servers. It includes schemas, versions, editions, CPU, memory, and disk capacity. You can compute target recommendations in
	Data collection		You have 10 databases without an associated host server. For MySQL or PostgreSQL databases, the DMS Collector requires metrics to compute target recommendations. If you want to compute target recommendations for these databases, edit the				DMS based on this information. If the source database is over- or under-provisioned, then the target recommendations also will be over- or under-provisioned.
			Address	Data collection availability	User name	Connection statu	Metadata, database capacity, and resource utilization In addition to metadata and database capacity information, you can collect actual utilization metrics of CPU, memory, and disk capacity for the databases or OS servers. Target recommendations provided will be more accurate since they are based on the actual
							database workloads.
		🗹 lir	nuxsql02.dbmsys.local:5432	A Metadata only	FA_Collect_User	 Not started 	Choose a date range for performance metrics Next 7 days (recommended)
		🗹 lir	nuxsql02.dbmsys.local:3306	A Metadata only	FA_Collect_User	ONOT started	Custom range
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		М 🕅	ISSQL01.dbmsys.local,14333	⊖ All available	FA_Collect_User	ONOT started	Days V 1 to 60 days are allowed
		VI	M-MSSQL16-W16.dbmsys.local,8192	⊖ All available	FA_Collect_User	ONOT started	Run data collection Cancel
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		VI VI	M-MSSQL17-W19.dbmsys.local	⊖ All available	pentest	ONOT started	
		VI	M-MSSQL14-W12.dbmsys.local	📿 All available	pentest	ONOT started	
		VI	M-MSSQL16-W16.dbmsys.local	⊘ All available	pentest	ONOT started	
		Sele	ected items: 14				

aws

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Version 1.1.0.

AWS Application Discovery Service | Database Collection



Discovery Agent

Agent collects data for the host or VM where it resides



Demo



Getting Started Resources

- Visit the website: https://aws.amazon.com/dms/fleet-advisor/
- Technical user guide: <u>https://docs.aws.amazon.com/dms/latest/userguide/CHAP_Fleet</u> <u>Advisor.html</u>
- Demo: <u>https://www.youtube.com/watch?v=2UmTXVIIDLw</u>

