Skills 101 - SharePlex

Episode 1

What's new in SharePlex

SharePlex®
by Quest

26 Years of Replication

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Quest®
Where Next Meets Now.

The role of data movement is evolving

Rapidly changing environments

Always-On is now presumed

Oppressive licensing costs

Data is King

SharePlex® by Quest

Quest® Where Next Meets Now.

You have options for addressing them

Risk

Cost

- Integrate Data Streaming Tools
- Implement APIs and Microservices
- Upgrade Existing ETL Solutions
- Do Nothing
- **Adopt CDC (Logical Replication)**
- Enhance Data Security Measures

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Where Next Meets Now.

Streamline Replication with the right tool

Replication, Migration, Upgrades & HA/DR

YOUR INITIATIVES

- OLTP Offloads
- Cost Management
- Migrations Upgrades
- Data Pipeline
- Infrastructure Modernization
- Auditing
- Cyber Resiliency
- Data Consolidation Distribution
- Cloud Initiatives

ORACLE

PostgreSQL

snowflake®

kafka

AZURE EVENT HUB

MySQL™

confluent

Microsoft® SQL Server®

Quest®

Role of CDC in Data Movement

- Efficiency in data transfer

- Real-time data availability

- Reduced impact on source systems

- Supports compliance and auditing

Replication, Migration, Upgrades & HA/DR

Streamline Replication with the right tool

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Data Management

Data Availability

- High availability
- Disaster Recovery
- Migrations
- Patches & Upgrades
- Load Balancing (Active-Active)

Data Scalability

- Operational Reporting
- Archiving
- Cascading using intermediary systems
- Distributed Processing

Data Integration

- Change History
- Metadata Repository
- Centralised Reporting
- Consolidation
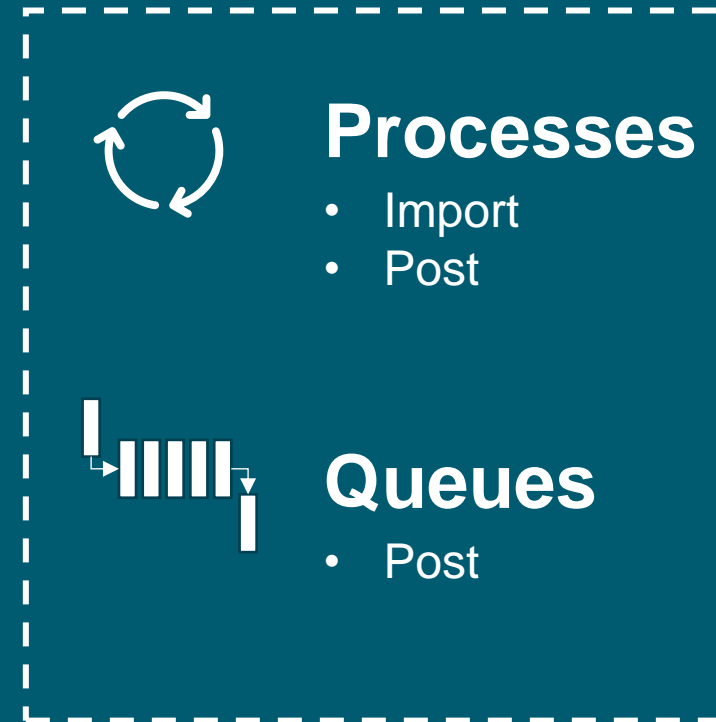- Data Integration
- Data Warehousing
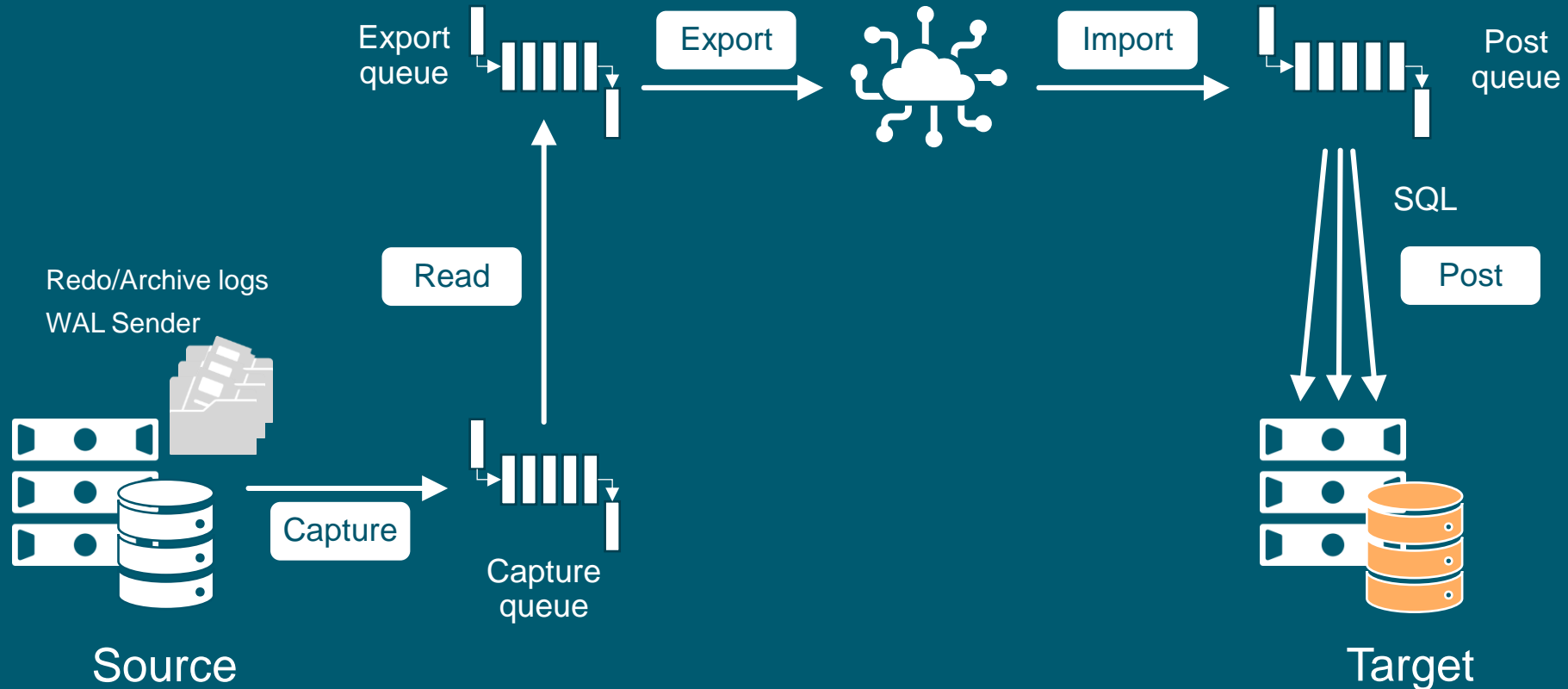
WHAT HASN'T CHANGED

Basic Architecture

WHAT'S NEW
PostgreSQL – Source

ORACLE DATABASE

PostgreSQL

ORACLE DATABASE

Microsoft SQL Server

SQL

kafka

confluent

AZURE EVENT HUB

MySQL
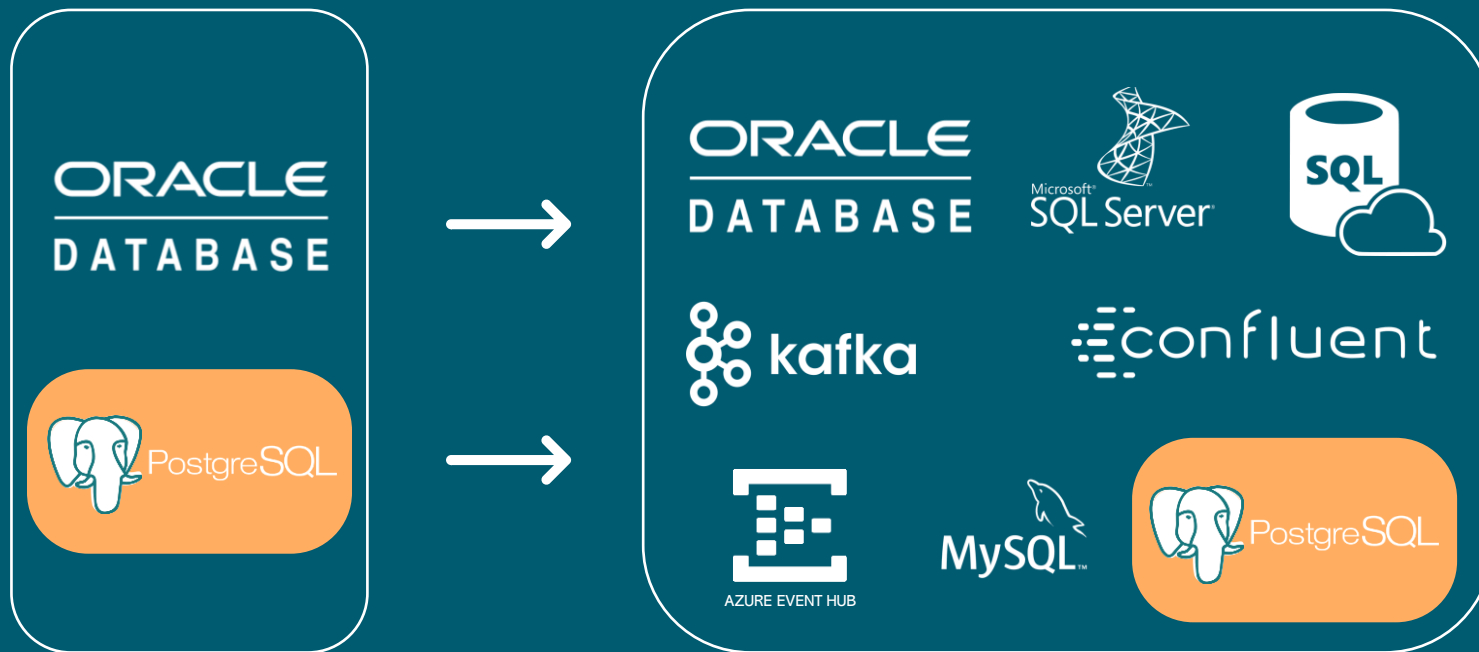
PostgreSQL

On-Premises to On-Premises — Cloud to Cloud — On-Premises to Cloud

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SharePlex for Postgres

- **Introduced in Version 11.0**

- **Use cases**
  - Oracle to PostgreSQL Migration
  - PostgreSQL H/A and D/R
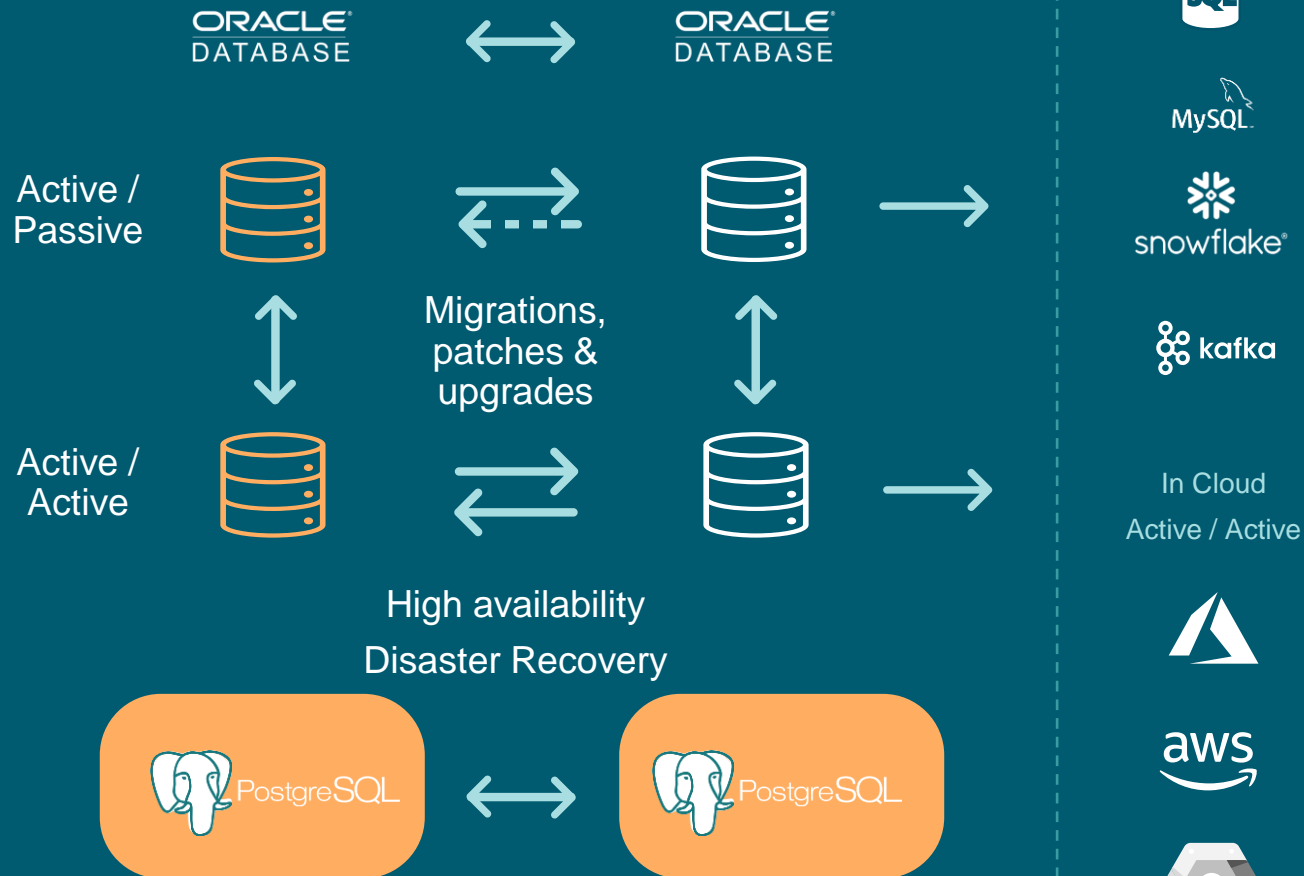 - PostgreSQL Workload Distribution

- **Targets**
  - Any SharePlex target

- **True Bi-Directional Replication**
  - With Conflict Resolution
  - Oracle to PostgreSQL
  - PostgreSQL to Oracle
  - PostgreSQL to PostgreSQL

WHAT'S NEW
PostgreSQL – Source

Active / Passive

Active / Active

Migrations, patches & upgrades

High availability
Disaster Recovery

Reporting

In Cloud
Active / Active

SharePlex for Postgres

- **Community Edition and EDB**
- **AWS and Azure**
- **Uses either logical or physical replication**
- **Uses ODBC**
- **Same overall architecture**
- **Same support**

LATEST SHAREPLEX RELEASES

Continued Development and Support

Release 10.x

- Oracle 19c support
- Oracle replication to Kafka
- Remote Post to SQLServer
- Replication Target Updates

Release 11.0

- PostgreSQL Source
- Snowflake Target
- New License Keys

Release 11.4

- Updated Targets
- Added Data Types
- PostgreSQL Compare/Repair
  Snowflake Enhancements
- IBM/Apache MQ Support

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