Three common database management challenges solved with SharePlex

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SharePlex® by Quest® supports many use cases and overcomes a variety of database management and modernization challenges by replicating data from Oracle and PostgreSQL databases to an array of platforms. Three of the more common challenges that organizations leverage SharePlex to overcome are profiled here.

Challenge 1: You need to reduce your Oracle spend

Many organizations seek to reduce their spending on Oracle licenses and support or avoid modernization approaches that rely on investing further in the Oracle platform. While there are multiple avenues for reducing this spending, here are four of the most common approaches we see with our customers.

Implement third-party solutions for analytics and reporting

Innovate on the platforms that make sense for your organization by replicating data from Oracle databases to other platforms for analysis and off-load reporting.

Migrate Oracle databases to the cloud

Moving and hosting databases in the cloud can yield substantial cost savings in resource and staffing expenditures compared to the costs of hosting in on-premises data centers. SharePlex enables you to perform impact-free Oracle database migrations to cloud, hybrid cloud and multi-cloud environments hosted by Oracle, Amazon Web Services or Microsoft Azure without downtime or data loss as it keeps source and target in sync until you complete your transition.

Migrate Oracle databases to PostgreSQL

PostgreSQL (Postgres) is a highly functional alternative to Oracle. Because Postgres is open-source and has a much lower total cost of ownership than Oracle, it's a great option for cost avoidance. SharePlex enables you to migrate your Oracle databases to Postgres while keeping them in sync throughout the transition and will also meet your high availability requirements. See more details about migrating to Postgres in the next section.

Challenge 2: You need to move mission-critical apps to PostgreSQL

Postgres is the most admired, most desired and most popular database among developers as 71% of them are already using it.[1] Postgres is an appealing alternative to other databases as it combines open-source licensing with enterprise capabilities including a cloud-native architecture, high performance and scalability, extensibility and many advanced features. SharePlex provides the capabilities you need to move your mission-critical apps to Postgres and run them confidently going forward.

Avoid downtime and reduce risk when migrating to Postgres

SharePlex uses active/active database replication to migrate Oracle databases to and from Postgres, enabling you to avoid downtime and reduce risk when migrating by facilitating interoperability between the two systems during and after migration.

1. Stack Overflow, "2023 Developer Survey," May 2023.

Create enterprise-grade Postgres architectures

Use the active-active replication of SharePlex to create resilient PostgreSQL clusters that can handle large amounts of data and enable high availability, disaster recovery, scalability and distributing instances across regions.

Integrate Postgres databases with other systems

SharePlex can be used to create data pipelines to other systems, like Snowflake, SQL Server and Oracle for reporting, data warehousing and other use cases. SharePlex can also replicate from AWS and Azure PostgreSQL DBaaS, enabling customers to create active/active architectures and integrate DBaaS data with other platforms.

Challenge 3: You need to build a new data warehouse or data lake

A company's data becomes isolated over time as more and more apps introduce more and more databases, making it difficult to access accurate information. Data warehouses and data lakes, in which data from several applications are replicated into a single repository, have become a common solution to this problem. Once again, SharePlex provides a solution for this challenge.

Migrate multiple databases into your data warehouse or data lake

SharePlex, which supports data warehouses and data lakes in SQL Server, Kafka, Snowflake and more, can replicate from numerous source systems into a single target system. This configuration is ideal for consolidating data in a data warehouse or a data lake so that information is available enterprise-wide for queries and reports. You have control over the data that is replicated and the option to transform any data to conform to a different target structure. These capabilities enable you to populate your data warehouse with the specific, timely information that users need to make good decisions.

Keep your data warehouse or data lake in sync with the source databases

SharePlex enables you keep your data warehouse or data lake synchronized to your source databases. With SharePlex, businesses can be certain that they are always working with the most current data possible since any changes made to a source database are immediately replicated to the data warehouse or data lake. With SharePlex, you can easily replicate across on-premises, cloud, and multi-cloud settings, and because the streaming process occurs outside the database instance, it has very little effect on your source production database. One particular use case where customers are using SharePlex for data warehousing allows them to replicate directly from the Oracle data warehouse into Snowflake, enabling customers to get immediate value from Snowflake without having to rebuild all of their pre-existing data pipelines.

Learn more about SharePlex at www.quest.com/products/shareplex

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Quest creates software solutions that make the benefits of new technology real in an increasingly complex IT landscape. From database and systems management, to Active Directory and Microsoft 365 migration and management, and cybersecurity resilience, Quest helps customers solve their next IT challenge now. Quest Software. Where next meets now.

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