SymmetricDS™

Enterprise Replication for Oracle Retail Point-of-Sale

Overview

JumpMind's premier product, SymmetricDS, is the leading open source solution for Data Replication, Change Data Capture, and Data Transformation in a heterogeneous enterprise environment. Database changes are captured in one or more databases and streamed across the network to update other databases with similar schemas.

SymmetricDS has its roots in retail Point-of-Sale (POS) implementations, and, as a result, many of its features exist to address the majority of a retailer's needs for synchronizing data to and from stores. SymmetricDS has been used in Oracle POS implementations for both US and US-based, international retail organizations with thousands of stores and multiple brands. It provides the single, cohesive data replication solution your business needs for Oracle POS implementations. It was designed for environments which may incur network outages and has the performance and scalability needed to replicate to thousands of databases.

SymmetricDS for Retailers

Consider the following features when choosing your infrastructure for replicating data to and from stores:

CORE FEATURES
* Open-source core product with large community and no licensing fees.
* Fine-tuned communication protocol for efficiency across the low-bandwidth networks typically found in retail stores.
* Designed in anticipation of network down-time. During a network outage, changes are queued and then sent once communication is re-established.
* Support for prioritized data channels based on business need; for example, high priority for pricing changes and low priority for inventory documents.
* Capable of sending up-to-the-minute sales data back to the central office to provide the data needed for better business decisions.
* Flexible database organization model for multi-tier synchronization. For example, Oracle POS store servers can synchronize with a central office instance of SymmetricDS or through regional servers and then to a central office.
* Available clustering option for fault-tolerance or scaling purposes.
* Web-based management and monitoring console available with purchase of Support Subscription from JumpMind.

FLEXIBLE DATA CONFIGURATION, FILTERING AND TRANSFORMATION
* Supports both one-way and bi-directional data replication typically needed in POS implementations, secured through SSL if needed.
* Data can be segmented and sent to specific stores by store id or by brand.
* Sensitive data can be masked, removed completely, encrypted or decrypted, or forwarded to secure databases as data is transferred.
* Easy configuration for publishing data to merchandising, auditing, loss prevent, and data warehouse systems.
* Initial data load feature allows for preparation of remote stores databases for both database configuration and data loading needed to bring a new store online.

The Oracle POS Profile

JumpMind's Profiles for SymmetricDS provide the groundwork for successful SymmetricDS implementations, and the Oracle POS Profile is no exception.

The Oracle POS Profile serves as a starting point for your SymmetricDS configuration for Oracle POS data synchronization. It includes configuration for nearly 200 of the most commonly used tables from the ARTS-based schema used by Oracle POS. In addition, synchronization is pre-configured for Central Office to Store Server data flow, and vice versa, with data segmentation into commonly used channels for retail.

JumpStart Oracle POS

The JumpStart program, offered by JumpMind for Oracle POS, provides the experience a retailer needs for additional configuration of SymmetricDS for their Oracle POS implementation. A JumpStart:

* Provides initial SymmetricDS base configuration for the typical Oracle POS implementation.
* Includes one-on-one analysis with JumpMind to assess needs for additional custom filters, publishers, and data segmentation.
* Includes development hours for starting implementation of needed filters and data segmentation.
* Includes customized installation guides for your particular environment.

JumpStarts are performed by JumpMind's SymmetricDS experts, each of which has participated in several large retail-based SymmetricDS implementations and has years of SymmetricDS experience.