



## Retail Store Solutions with Oracle POS

### Enhancing ORPOS for better Store Integration

JumpMind has helped many ORPOS customers stabilize their store deployments by helping them incorporate best practices for integrating data with stores and corporate systems, including Merchandising, Sales Audit, Tax, Loss Prevention, Customers, and HR. We believe in one simple, robust store integration architecture that all data can flow through.

#### Guarantee Sales Transactions

**Problem:** Sales are missing at the central office. ORPOS has different mechanisms that move a transaction from the register to the store database and from the store database to the central office database. Transactions can be left stranded at the register or in the store database when an error occurs because there is no automatic recovery.

**Solution:** Use SymmetricDS to synchronize data from the store database to the central office database. SymmetricDS automatically detects additional columns and configuring new tables takes minutes. No custom coding needed for moving data. SymmetricDS can be used to monitor stores, with automatic email notifications for errors and offline events.

#### Guarantee Foundation Data

**Problem:** Customers and cashiers notify corporate that items are not found, prices are wrong, or tax is calculated incorrectly. The typical ORPOS deployment uses a data loader called the DIMP to load foundation data at the store database and the corporate database. It is left up to the retailer to figure out how to get the data to the store, kick off the data loader and monitor the results.

**Solution:** Load all integration data into the central office database and use SymmetricDS to synchronize the data to the stores. SymmetricDS guarantees delivery and has been proven in retail scenarios with thousands of stores. It can be monitored using system management tools or SymmetricDS can be configured to generate alerts.

#### Centralize RTLOG Processing

**Problem:** Sales audit can identify missing sales transactions by skipped transaction numbers. Sales are typically reported to backend systems by publishing a file called the RTLOG from the store server. The RTLOG process can fail for a number of reasons. When the process is distributed to hundreds, sometimes thousands, of locations it is almost impossible to monitor and correct.

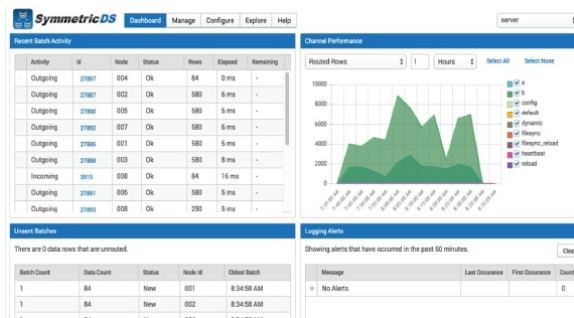
**Solution:** JumpMind has helped customers centralize the RTLOG process to run from the central office database. This centralized RTLOG integration is hosted by our Metl integration platform. The process can be scheduled internally or it can be started by an enterprise scheduling tool. A centralized process allows for easy monitoring, issue resolution, and patching.

### Key Benefits

- Secure, reliable delivery of sales from register to corporate
- Dependable integration of foundation data
- Scale to 10,000+ store locations using clustering and tiering
- Operate in offline mode and automatically recover from network outages
- Easy troubleshooting
- Monitor entire store infrastructure centrally
- Near real-time synchronization improves access to business data

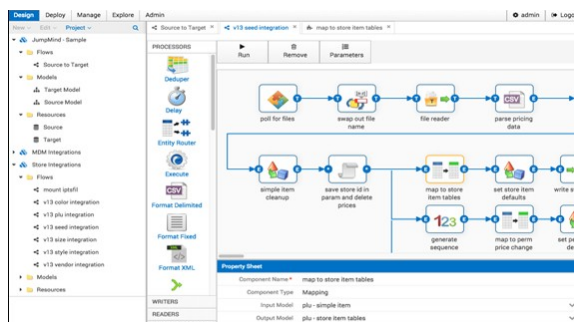
### SymmetricDS

Advanced, cross-platform replication server for databases and files.



### Metl

Light-weight, web-based integration tool for building data integration flows.



## Our Customers

From startups to Fortune 500, our solutions are deployed widely with success across industries.

**DSW** **vmware**

**LexisNexis** **URBN**

**IBM** **LOCKHEED MARTIN**

**GENSCAPE** **RED WING SHOES**

## Why Choose Us

**Experienced** - We are qualified with 100+ years of combined experience in retail and software development.

**Reliable** - We deliver on commitments to our customers, whether meeting a project deadline or exceeding SLAs.

**Quality** - The quality of our deliverables is second to none. Our consultants are integration experts, as the developers of our software products.

**Our Software** - We have created quality software tools that are open, easy to use, and have low total cost of ownership.

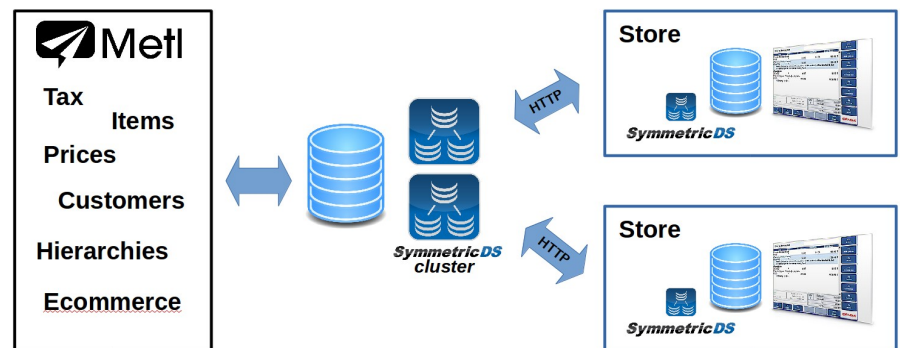
## Fast and Accurate Foundation Data

**Problem:** The DIMP process can be inefficient when attempting to load a retailer's complete data set. This can lead to extremely long load times. The high level of complexity needed by the DIMP interface naturally leads to mistakes and issues that are hard to fix.

**Solution:** Many customers have used JumpMind's Metl integration platform to replace overly complex integration tools. Not only is Metl fast but it's also extremely accessible to troubleshoot data issues. Metl is used to integrate all data into the central office database or a central file system. SymmetricDS guarantees delivery of the data to the stores.

## Store Integration Architecture

The diagram below is a visual representation of JumpMind's retail store solution. Data is integrated into and out of the central office database using Metl. All relational data and file data are moved between corporate and the store using SymmetricDS.



Our solution enhances ORPOS data integration by incorporating best practices from the retail industry. With a single architecture for moving data, it improves reliability and simplifies monitoring and troubleshooting. Based on our experience in retail and data integration work, this solution has proven to be highly reliable and is the reason why so many retailers choose us.

## About JumpMind


JumpMind provides software and services for data integration across the enterprise, with a special focus on the retail industry. Using a commercial open source business model, JumpMind eliminates software license fees while providing support, services, and product enhancements via an annual support subscription. With thousands of production deployments worldwide, we've helped both startups and Fortune 500 companies with solutions to gain valuable access to their data.



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