Wormhole
Master Data Management

Comprehensive and scalable intercompany data synchronization solution for Microsoft Dynamics 365 Business Central

Data synchronization presents numerous challenges when managing multiple business locations – data entry errors and duplication, data collection and integration from multiple sources into a single destination, or the complexity of real-time data synchronization.

To tackle these challenges, Verosoft Design provides Wormhole, a robust add-on solution for Microsoft Dynamics 365 Business Central. Wormhole automates synchronization process and consolidates data to a single destination so that you can achieve enormous time savings, improve efficiency and collaboration across business locations and protect data integrity. This add-on works with Dynamics NAV 2013 R2 up to the most recent version of Business Central.

Key Benefits

Synchronize data exactly the way you need it

Configure an unlimited number of group combinations of database, company, table or field allowing you to accomplish synchronization for different data sets and different business processes. Execute synchronization jobs in real-time as records are updated or deferred using queued batches. Synchronize individual records, one-at-a-time, across companies on a user-friendly interface that displays companies as columns and records as rows.

Make the rules and automate synchronization process

At a group level, define at default sync rules of either uni-directional or bi-directional sync and define a parent company if changes should only be executed from the parent company, or between a child company and the parent company. At a table level, define detailed rules and properties. At a field level, filter data to synchronize only a subset of data in a table. You can even decide which fields should or should not be validated and define a sync field sequence so that fields are validated suitably upon synchronization in child companies.

Consolidate, track and validate

Keep track of synchronization flows using the transaction log and quickly detect synchronization errors and failures using the error log. Consolidate data from multiple sources to a central destination and ensure seamless intercompany communication and reliability of data.
Wormhole provides all the features you need to solve intercompany data synchronization challenges

**Sync Initialization**
The initialization feature allows you to get the same situation. At start-up or when a new company is created, you define and all records you wish to synchronize from a parent company to a child company. At start-up, it lists the differences between companies and missing records. When a new company is created, it lists the records that are to be synchronize.

**Record Matrix**
The most popular feature, Record Matrix allows synchronization of individual records across companies, one-at-a-time, on an user-friendly interface that shows companies as columns and records as rows. The record matrix will be populated by default – if the record exists in a company, then the matrix boxes will be checked. The matrix will be present where the record exists; if a check mark is made – it will insert and if a checkmark is removed, it will attempt to delete. This feature can also be used to trigger synchronization upon approval.
Web Services
The Web Services feature allow multi-database synchronization for companies with more than one Business Central database. Records can be inserted, deleted, modified or re-named in real-time so that changes are not cached and only executed when a new company is opened.

Real-time feed or queued batches
You can execute synchronization in real-time as records are updated or by queued batches using the Inbox / Outbox feature. If the desired mode is Inbox / Outbox, the user performs the Sync Outbox process from the parent company and the Sync Inbox process from the child company.

Sync Rules
At a group level, the Sync Rules feature allows you to set either uni-directional data sync from a parent company to a child company, or bi-directional data sync allowing data to flow back and forth between companies or databases based on the rules you set, so it updates across systems automatically. Wormhole also takes into accounts the rules that are set in Business Central.

Field Level Sync
At a field level, the Field Level Sync feature allows you to decide which fields should be validated upon synchronization and which ones should not by defining a synchronization sequence (e.g. in a journal entry, you must select an Account Type before choosing an Account Number).

Sync Groups
At a group level, the Sync Groups feature allows you to set up an unlimited number of group combinations of databases, companies, tables and fields allowing you to accomplish synchronization for different data sets and different business processes.

Error Log
The Error Log detects and archives, depending on the configured sync mode, all synchronization errors and failures. Further configuration can be made to correct synchronization issues.
Data Filtering
At a field level, the Data Filtering feature allows you to filter data in order to synchronize only a subset of data in a table.

Transaction Log
In the form of a log, the Transaction Log allows you to track all synchronization flows made between companies or databases.