

Managing your master data with Yavica  
Data Management  
White Paper

**YAVICA**

Published: 19.03.2021

## The challenge of managing master data

Operating your business based on a large amount of companies leaves a challenge managing the underlying master data. Dynamics 365 for Finance offers an out of the box solution for cross-company sharing of data along with Data Management and the feature for Export / import of data is used for maintenance of master data. This however has limitations both in the granularity of settings for sharing, the amount of records that can be copied and the scenarios that can be supported.

## The history of managing master data

After more than 15 years of product history and more than 60 implementations worldwide we have earned a great insight into the industry needs. Utilizing Dynamics 365 Finance & Operations as ERP within the Real Estate Industry the concept around legal entities is used as a tool to separate property 'portfolios' and segregate data for reporting for investors and other stakeholders resulting in large amount of legal entities. In days of Microsoft AX, virtual companies were used as master data repository enabling data to be shared across legal entities. With the change to Dynamics 365 Finance & Operations this feature was no longer available and left all our clients with a need for a feature for control and data sharing / replication between legal entities.

## Better management of master data with Yavica Data Management

Yavica Data Management offers the flexibility to support; multiple company structures, working with master data in a hierarchical structure, unlimited amounts of templates, control / restriction of data edit in subscribing legal entities and thereby enforcing a single source of truth. The solution is built through 2 core elements:

- A company grouping mechanism
- A module for configuration of data sharing

## Company grouping

Company grouping is a feature that enables the possibility to group companies for multiple purposes where one of them might be as settings for Master Data Management. Companies can then be grouped and related to a master company to which they should subscribe for data.

## Module for configuration of data sharing

Rules for sharing is done on tables and controlled down to field level in a dedicated module for configuration of data sharing.

## Data collections

Data Collections are the core element in a dedicated module for Yavica Data Management. Collections are used to group tables that should be shared in the same manner. The Collection will be the access point from where the rules of sharing are setup. Rules for sharing are setup and applied to tables and controlled down to field level.

## Data sharing

Data sharing is enabled by activating the Master data collections. When activating a data collection, the standard database log is activated on the tables that were selected as collection members.

Data sharing is done through a dedicated batch job that detects all inserts and updates in the standard database log and hereafter the batch job replicates all inserts and updates to subscriber companies. The replication is happening in the sequence as data is logged in the data base log.

## Data Distribution log

For each replication of a record processed by the batch job, a record will be inserted in the data distribution log within the Yavica Data Management module. The processed transactions will be indicated with a status to let the user know if the replication succeeded or not. In case of failure, there is an option to reprocess one or multiple records.

## The benefits of Yavica Data Management

- ✓ Easily manage master data and reference data for many legal entities with no explicit limitations of transaction volume.
- ✓ A company grouping feature that allows users to work with as many source and subscriber companies you require.
- ✓ Enable a sharing structure where a company can subscribe to master data from multiple different source companies.
- ✓ Sharing of customers and vendors on individual record level. This enables the business to have one global overview of all customers and vendors that are only available in companies where they should be used.
- ✓ Enable a single or multiple source of truth depending on the users amount of source companies.
  - Control whether fields are view only or editable and controlling whether new records can be created in subscribing companies on tables where data is coming from a source / master company.
  - Information message in subscriber companies when data is coming from a source company.
  - Use color theme to visual indicate when one is working in a source company, so nothing gets changed accidentally.
- ✓ Easily move configuration data between environments by transferring your data sharing settings from one environment to another with the use of data entities for export and import.
- ✓ Automatic support of ISV solutions and customizations. Sharing of data is configured on table level and as soon as and ISV customization is installed they are available through their respective tables.

## Learn more about Yavica Data Management

If you want to create value from data – you need to be in control of your master data and manage it centrally to ensure a valid output.

Go to Microsoft AppSource to see more or contact us directly to get a demo of the product: [Yavica Data Management](#)

## About Yavica ApS

Yavica enables businesses in the Real Estate Industry to achieve more through Microsoft technology. Utilizing Dynamics 365 within the Real Estate Industry, Yavica works continuously to extend the standard Microsoft applications to be a Real Estate focused business solution. Through the use of Yavica software and best practices, our clients get the best of two worlds – A world class business solution platform from Microsoft with best of breed industry functionality supplied by Yavica.