

# Multi Entity Management vs. Master Data Management

Multi-environment replication and consolidation

Microsoft Dynamics 365 Business Central built-in functionality

## Main features

## Comments

			
<b>REPLICATION</b>			
Select fields on tables	X	X	Mark fields for replication.
Custom field values	X	X	Apply custom field values in a replicated table.
Custom table records	X	X	Insert custom records in a replicated table.
Permission handling on user level	X	X	Possibility to set permissions per user level.
Nested hierarchies	X	X	Support of nested hierarchies, where a company can act as publisher and subscriber.
Take ownership of existing records	X	X	Creating a record in the Publisher company can merge with a record already existing at the subscriber.
Handling Media field-type	X	X	Replication of Media field-type.
Handling MediaSet field-type			Replication of MediaSet field type.
Handling tables with auto increment			Replication of tables with Autoincremental primary key.
Filter records		X	Records are replicated based on a filter.
Rename Primary key		X	Rename the primary key on a record.
Validate presence of an associated record		X	Updating Subscriber field value, the associated record is checked the related record.
Manual Push/pull replication	X		Functions for manually updating tables/records to subscriber companies.
Manual update of selected records	X		Selected record can update selected Subscriber companies.
Associated tables	X		Associated data is only replicated if the Main record is replicated, e.g. Vendor associated with Vendor Bank Account.
Item Attributes	X		Replicate Item Attributes.
Contacts	X		Multiple options for replicating tables associated with Contacts.
Default dimension	X		Multiple options for replicating tables associated with Default Dimensions.
Multiple companies as a data source	X		The replicated data can originate from multiple Publisher companies.
Handling of delete in Publisher	X		Delete will process delete in Subscribing companies.
Block for custom records	X		Possibility to block inserting custom records in a replicated table.
Fixed values on transfer	X		Define a fixed field value to be replicated.
LCY & language handling on items	X		Handle replication to companies with other Local currency (LCY) and language in Item description
Publisher can modify empty fields	X		Empty fields in Subscriber tables can be updated from Publisher



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<b>MULTI ENVIRONMENT</b>			
<b>Cross-Environment replication</b>	X		Data replication to multiple environments.
<b>Replication to other Environment versions</b>	X		Data replication to different environment versions and localizations.
<b>Replication to &gt;300 companies</b>	X		Multi Environment replication bypasses the limit of 300 companies in each environment.
<b>CONSOLIDATION</b>			
<b>Consolidation of transactional records</b>	X		Consolidate entries from transactional tables into a reporting company.
<b>Company identifier</b>	X		Each company will identify the consolidated entries with a Business Unit Code.
<b>Power BI reporting pack</b>	X		Power BI reporting pack with filtering option on data origins.
<b>TECHNOLOGY</b>			
<b>Event-based replication</b>	X		Replication of Insert and Modification on records will be executed immediately. Ensure that Data is valid across companies. Performance impact on each write transaction.
<b>Job Queue-based replication</b>		X	Allow out-of-sync data. Data can be invalid in some companies. Max 3 concurrent tasks in Cloud/SaaS environments.
<b>Available at Microsoft Appsource</b>	X	X	Available at Microsoft AppSource for Business Central.
<b>Available for Business Central 22 and newer</b>	X	X	Installation files available for on-premises environments.
<b>Available for Business Central 14-21</b>	X		Installation files available for on-premises environments.