

Uso

Escenario 1:

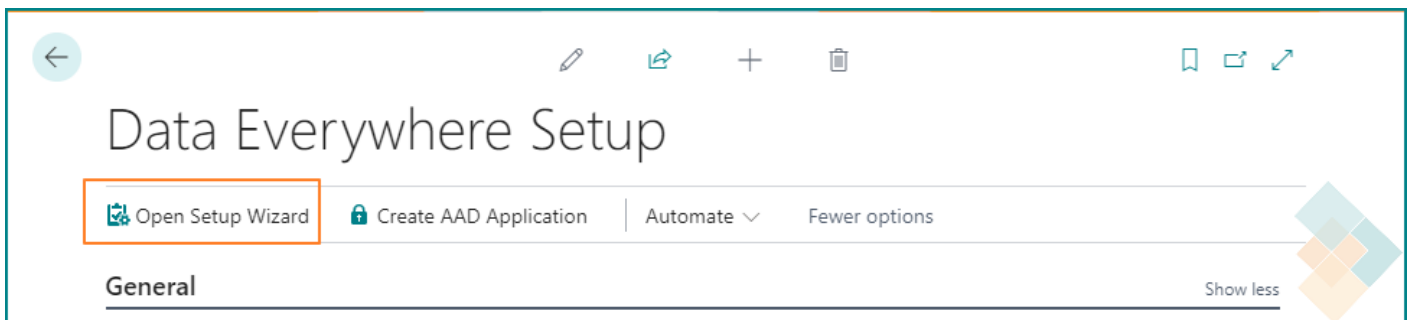
Configuración inicial para replicar las tablas de clientes y proveedores entre 2 empresas con las siguientes características:

- **Base de datos:** ambas son SaaS
- **Mismo Tenant**
- **Empresa Origen:** D.E. Source Company
- **Empresa Destino:** Destination Company

El tipo de replicación será inmediata.

1. CREACIÓN CONFIGURACIÓN EMPRESA MASTER

Para realizar la primera conexión se usará el asistente de configuración, accesible desde la ventana de Configuración de Data Everywhere:



Data Everywhere Setup Wizard



What do you want to do?

If it is the first database where you configure Data Everywhere, you must select "Create Master Connection", but keep in mind that the Master DB must have visibility to the rest of the DBs (this is relevant only if any of the DBs is On-Premise). If you are not sure about this, ask the IT crew or to your Business Central Partner. Please, select the option you want:

Create Master Connection ☒

Create a connection string ☐

Add Another Connection in Ma... ☐

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Finish

En este punto se debe informar del Código de conexión y su descripción:

Data Everywhere Setup Wizard



Connection Description

With this information you will identify this connection from others.

Connection Code	MASTER
Connection Description	Master company
Management Company	D.E. SOURCE COMPANY ▾
Entity Nos.	DE-ENTIDAD ▾
Replication Task Nos.	DE-TAREAREPL ▾
Setup Replication Task Nos.	DE-CONFIGTAREAREPL ▾

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Finish

El sistema reconoce la información necesaria para crear la conexión:

Data Everywhere Setup Wizard



Connection Information

With this information you will identify this connection from others.

Connection Code	MASTER
Description	Master company
SaaS Database	☒
Authentication Type	OAuth2
Tenant	8d917070-412e-4981-8a9a-966e67797c83
Environment Name	TestConsultoria
Connection Base Url	
User	
Password	

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2. CREACIÓN CONFIGURACIÓN EMPRESA DESTINO

Haciendo uso del mismo asistente se puede configurar la empresas destino. En este caso se compone de 2 pasos:

- En la empresa destino: Hacer uso del Asistente para elegir la segunda opción:

Data Everywhere Setup Wizard



Welcome to the Data Everywhere Setup Wizard

In the following steps you will have to select some options to correctly configure the system and prepare it to start sending and/or receiving data to/from other databases.

Warning!!

Data Everywhere is already configurated, when you finish this wizard, depending of the options selected, Data Everywhere setup tables will be replaced.

Let's go!

Choose Next to start configuring what you want to do.

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Finish



Data Everywhere Setup Wizard



What do you want to do?

If it is the first database where you configure Data Everywhere, you must select "Create Master Connection", but keep in mind that the Master DB must have visibility to the rest of the DBs (this is relevant only if any of the DBs is On-Premise). If you are not sure about this, ask the IT crew or to your Business Central Partner. Please, select the option you want:

Create Master Connection ☐

Create a connection string ☒

Add Another Connection in Ma... ☐



Warning!!

Data Everywhere is already configured, when you finish this wizard Data Everywhere setup tables will be replaced.

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Data Everywhere Setup Wizard



Connection Description

With this information you will identify this connection from others.

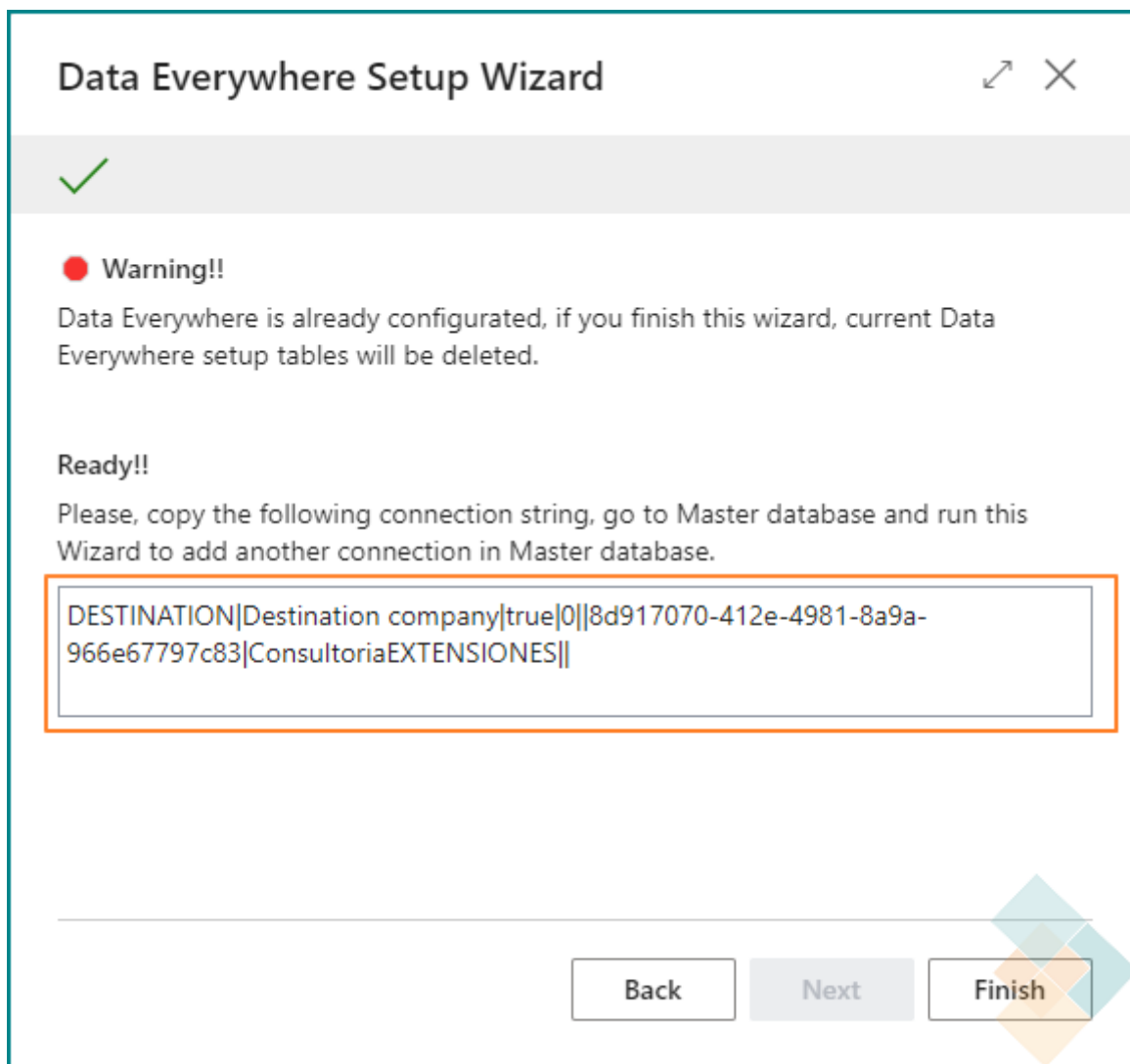
Connection Code DESTINATION

Connection Description Destination company

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En la ventana superior, el sistema recopila los datos necesarios para hacer la conexión. Es necesario COPIAR las líneas del recuadro.

- En la empresa MASTER se usará de nuevo el asistente para usar el último punto:

Data Everywhere Setup Wizard



What do you want to do?

If it is the first database where you configure Data Everywhere, you must select "Create Master Connection", but keep in mind that the Master DB must have visibility to the rest of the DBs (this is relevant only if any of the DBs is On-Premise). If you are not sure about this, ask the IT crew or to your Business Central Partner. Please, select the option you want:

Create Master Connection ☐

Create a connection string ☐

Add Another Connection in Ma... ☒

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En el recuadro se pegarán las líneas anteriormente copiadas:

Data Everywhere Setup Wizard



Other database Connection

You need the connection string created in the other database to continue. Paste the connection string generated in the other database:

DESTINATION|Destination company|true|0||8d917070-412e-4981-8a9a-966e67797c83|ConsultoriaEXTENSIONES|

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Data Everywhere Setup Wizard

Connection Information

With this information you will identify this connection from others.

Connection Code DESTINATION

Description Destination company

SaaS Database ☐

Authentication Type OAuth2

Tenant 8d917070-412e-4981-8a9a-966e67797c83

Environment Name ConsultoriaEXTENSIONES

Connection Base Url

User

Password

[Back](#) [Next](#) [Finish](#)

El sistema automáticamente rellenará la información necesaria para crear la empresa destino.

3. ACTIVACIÓN DE LAS CONEXIONES CREADAS

En la tabla de conexiones Data Everywhere se observan las dos conexiones que se han añadido. Ahora, haciendo click sobre el código para entrar en la ficha de la conexión y poder activarla:

D.E. SOURCE COMPANY General ▾ Data ▾ Users ▾ Workflow ▾ Services ▾ Microsoft 365 ▾ RapidStart ▾ Data Everywhere ▾ ≡						
Connections: All ▾ 🔍 Search + New 🗑 Delete ➤ Send Setup 📄 Activity Logs Automate ▾ Fewer options						
Code ↑	Description	Status	Current Database	SaaS Database	Authentication Type	
MASTER	Master company	Disabled	☒	☒	OAuth2	
DESTINATION	Destination company	Disabled	☐	☒	OAuth2	

Data Everywhere Connection Card

MASTER

Create First Connection Send Setup **Enable** Disable Activity Logs Automate Fewer options

General

Code: MASTER Tenant: 8d917070-412e-4981-8a9a-966e67797c83

Description: Master company Environment Name: TestConsultoria

Status: Disabled Connection Base Url:

Current Database: ☒ SaaS Database: ☒ User:

Authentication Type: OAuth2 Password:

Connection Subpage	Manage
Company Name ↑	
→ CRH-CRONUS	
CRONUS ES	
cronus juan	
D.E. SOURCE COMPANY	
DataEveryWhereTC	
TEST LSC	
TEST SII	

Esta activación se debe hacer para cada nueva conexión que se añada. No se puede activar una segunda conexión contra un entorno que ya tenga una conexión activada.

4. ELECCIÓN DE LAS ENTIDADES (TABLAS) QUE SE VAN A REPLICAR

Se activará el asistente de configuración que podemos encontrar en la ventana de Lista de entidades de Data Everywhere:

Data Everywhere Entity List

Search New Manage Automate Fewer options

+ New **Entity Creation Wizard**

(There is nothing to show in this view)

Siguiendo los pasos, se elegirá "Seleccionar tablas desde una lista":

Data Everywhere Entity Creation Wizard



What do you want to do?

You can create some Entities selecting the tables from a list or selecting an existing entity to create all related tables as entities. Please, select the option you want:

Select tables from a list ☒

Create from an entity ☐

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Data Everywhere Entity Creation Wizard



Entity Group

You can create a new Entity Group to add new Entities or add new entities to an existing Entity Group:

Create new Entity Group ☒

Add to an existing Entity Group ... ☐

Depending on previous selection you can specify a new Entity Group Code and Name or you can select one Entity Group from a list:

Code CUST.VENDOR ...

Name Customers and vendors

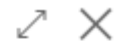
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Se debe añadir el código y nombre del grupo que contendrá las tablas seleccionadas. En la siguiente ventana se seleccionará las tablas que forman el grupo. En este caso, las tablas 18 y 23 que hacen referencia a clientes y proveedores respectivamente:

Data Everywhere Entity Creation Wizard



Select tables

Press the Assist Button to open a page with a list of all database tables and select those you want to create entities.

Tables Selected No tables selected



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Finish

Edit - Table List					↗	✕
🔍 Search	✓ Accept	✕ Cancel	📋 Select All	🗑 Unselect All	🔗	☰
	Object ID ↑		Object Caption	Selected		
	3		Payment Terms	☐		
	4		Currency	☐		
	5		Finance Charge Terms	☐		
	6		Customer Price Group	☐		
	7		Standard Text	☐		
	8		Language	☐		
	9		Country/Region	☐		
	10		Shipment Method	☐		
	11		Country/Region Translation	☐		
	13		Salesperson/Purchaser	☐		
	14		Location	☐		
	15		G/L Account	☐		
	17		G/L Entry	☐		
	18		Customer	☒		
	19		Cust. Invoice Disc.	☐		
	21		Cust. Ledger Entry	☐		
→	23	⋮	Vendor	☒		
	24	⋮	Vendor Invoice Disc.	☐		

El siguiente punto permite seleccionar bajo que acciones se debe activar la replicación. Por defecto se debe dejar todos marcados:

Data Everywhere Entity Creation Wizard



New Entities Proposal

Here you have a list of new entities that will be created when you finish this wizard. Make the changes you need before go to next step.

Entities 

	Source Table No.	Source Table Name	Send Insert	Send Mod...	Send Dele...	Send Ren...
	18	Customer	☒	☒	☒	☒
→	23	Vendor	☒	☒	☒	☒

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Next
Finish

Una vez creadas aparecerán en el listado:

No. ↑	Description	Entity Group Code	Order	Source Table No.	Source Table Name	Destination Table No.	Send Insert	Send Modify	Send Delete	Send Rename
DE-E00001	:	CUST.VENDOR	0	18	Customer	18	☒	☒	☒	☒
DE-E00002		CUST.VENDOR	0	23	Vendor	23	☒	☒	☒	☒

5. CREACIÓN DE LA TAREA DE REPLICACIÓN

La tarea de replicación es la encargada de ejecutar los procesos de replicación. Como se ha comentado, en este caso la replicación será inmediata. Para proceder, se debe dirigir a la tabla Tareas de Replicación para crear una nueva tarea:

No. ↑	Source Connection Code	Source Company Name	Destination Connection Code	Destination Company Name	Entity Group Code	Replicate Data From	Replication Type	Status	Status Flag	Additional Info
DE-SRT00001	:	MASTER	D.E.SOURCE.COM...	DESTINATION	CRH-CRONUS		Setup		●	Ready. Waiting for some entity record to change.

En este punto se debe rellenar:

- Código de conexión y empresa origen.
- Código de conexión y empresa destino.
- En código de grupo de entidad se pondrá el que se ha creado durante el ejemplo.
- En tipo de replicación se pondrá "Inmediata" para que el sistema se active en el momento que detecte una modificación, creación, etc.

En el momento que se crea una configuración de empresa destino el sistema crea automáticamente una tarea de replicación de tipo **configuración**. Esta es necesaria para replicar las diferentes configuraciones que se van añadiendo a las distintas conexiones.

Una vez que el tipo de replicación se ha seleccionado tarea queda activada.

6. ACCION DE REPLICACION

Una vez está configurado todo se puede crear un cliente de prueba. La tarea de replicación actualmente está configurada por defecto para que comience a los 60 segundos de detectar la acción.

Se creará un nuevo cliente:

No. ↑	Name	Responsibility Center	Location Code	Phone No.	Contact	Balance (LCY)	Balance Due (LCY)	Sales (LCY)	Payments (LCY)
10000	Adatum Corporation...				Daniel Almaraz	143.366.85	119.166.85	554.609.30	527.710.42
20000	Trey Research				Isabelina Castaneda	144.764.94	144.764.94	182.873.05	79.856.47
30000	School of Fine Art				Meagan Bond	53.584.40	53.584.40	224.417.70	170.833.30
40000	Alpine Ski House				Ian Deberry	27.789.30	27.789.30	89.542.97	65.164.00
50000	Relecloud				Diego Echevarria	28.783.57	28.783.57	107.586.97	101.396.67
C00030						0.00	0.00	0.00	0.00
CLIENTE 22	CLIENTE 22 (DOLAR)					0.00	0.00	4.607.47	4.607.47

Customer Card

TESTING · Testing customer

Home Request Approval New Document Prices & Discounts Customer Report Actions Related Reports Automate Fewer options

Contact Apply Template Merge With... Send Email

General

No. TESTING Responsibility Center

Name Testing customer Document Sending Profile

IC Partner Code

Balance (LCY) 0.00 Total Sales 0.00

Balance (LCY) As Vendor 0.00 Costs (LCY) 0.00

Balance Due (LCY) 0.00 Profit (LCY) 0.00

Credit Limit (LCY) 0.00 Profit % 0.0

Blocked Last Date Modified 13/02/2023

Disable Search by Name

Se observa que está creado en el entorno TestConsultoría y la empresa D.E. Source Company. En el momento de crearse la tarea de replicación se empieza a actualizar y va informando de los pasos que sigue:

Data Everywhere Replication Tasks

You are in a Sandbox (test or development environment). DynaSoft applications will be of limited use.

Search + New Manage Data Everywhere Logs Activity Logs Actions Automate Fewer options

No.†	Source Connection Code	Source Company Name	Destination Connection Code	Destination Company Name	Entity Group Code	Replicate Data From	Replication Type	Status	Status Flag	Additional Info
DE-RT00001	MASTER	D.E.SOURCE.COM...	DESTINATION	DESTINATION.CO...	CLUST.VENDOR		Immediate		●	A Session will start soon.
DE-SRT00001	MASTER	D.E.SOURCE.COM...	DESTINATION	CRH-CRONUS			Setup		●	Ready. Waiting for some entity record to change.

Data Everywhere Replication Tasks

Search + New Manage Data Everywhere Logs Activity Logs Actions Automate Fewer options

No.†	Source Connection Code	Source Company Name	Destination Connection Code	Destination Company Name	Entity Group Code	Replicate Data From	Replication Type	Status	Status Flag	Additional Info
DE-RT00001	MASTER	D.E.SOURCE.COM...	DESTINATION	DESTINATION.CO...	CLUST.VENDOR		Immediate	Data Prepared	●	This task is running in background.
DE-SRT00001	MASTER	D.E.SOURCE.COM...	DESTINATION	CRH-CRONUS			Setup		●	Ready. Waiting for some entity record to change.

Una vez el proceso ha finalizado, se observa que ha generado la ficha de cliente en la empresa destino:

Customers

Search + New Manage Home New Document Customer Prices & Discounts Report Actions Related Reports SmartList Automate Fewer options

Register Customer Payments Send Email Apply Template

Views

All

Filter list by...

Filter totals by:

+ Filter...

Show system filters

No.†	Name	Responsibility Center	Location Code	Phone No.	Contact	Balance (LCY)	Balance Due (LCY)	Sales (LCY)	Payments (LCY)
10000	Adatum Corporation...				Daniel Almaraz	12,230.08	12,230.08	225,711.30	260,880.61
20000	Trey Research				Isabelina Castaneda	15,410.69	15,410.69	58,731.90	55,654.97
30000	School of Fine Art				Meagan Bond	52,169.00	52,169.00	222,502.30	170,333.30
40000	Alpine Ski House				Ian Deberry	9,224.30	9,224.30	71,803.30	62,579.00
50000	Relecloud				Diego Echevarria	10,137.38	10,137.38	84,376.90	91,958.67
C00030						0.00	0.00	0.00	0.00
CLIENTE 22	CLIENTE 22 (DOLAR)					0.00	0.00	0.00	0.00
TESTING	Testing customer					0.00	0.00	0.00	0.00

Este escenario se puede hacer para tantas empresas y tablas se deseen replicar.

Revision #1

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