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# Sitecore Connect for Salesforce Marketing Cloud 7.0 - Behavioral Data Exchange Installation Guide





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# 1. Introduction

You use Sitecore Connect for Salesforce Marketing Cloud - Behavioral Data Exchange to push selected Sitecore contact data and marketing list data to corresponding data structures in Salesforce Marketing Cloud (SFMC). The connector only synchronizes data from Sitecore to SFMC. Changes in SFMC are not updated in Sitecore.

This guide describes how to install and configure the connector.

# 1.1. Requirements

The following packages need to be installed in sequence before you install Sitecore Connect for Salesforce Marketing Cloud - Behavioral Data Exchange 7.0:

- Sitecore Experience Platform 10.2
- Data Exchange Framework (DEF) 7.0 or higher.

#### NOTE

If you have previous versions of Sitecore Experience Platform and DEF installed, you must update them to 10.2 and 7.0 using the instructions in the Upgrade Guide for Sitecore XP 10.2.0 and the DEF installation guide.

• An SFMC account where you can create an installed package with appropriate access rights.

#### NOTE

SFMC connectors do not support running via Remote SDK.

# 1.2. Recommendations

To avoid issues when synchronizing data from Sitecore to SFMC, follow these recommendations:

- Make sure that each contact list has a unique name in Sitecore. It's possible to have two contact lists with the same name in Sitecore, but SFMC does not allow you to have two data extensions with the same name.
- Make sure that the names of contact lists in Sitecore contain at least one alphanumeric character.

Sitecore allows you to use contact list names that only contain numeric characters, but it's not possible to have data extension names in SFMC that only consist of numeric characters.



# 2. Installation

To install Sitecore Connect for Salesforce Marketing Cloud - Behavioral Data Exchange (SFMC-BDE):

- 1. Download the Sitecore Connect for Salesforce Marketing Cloud Behavioral Data Exchange package.
- 2. On the Sitecore Launchpad, click **Control Panel**.
- 3. In the Control Panel, in the **Administration** section, click **Install a package** to open the **Installation Wizard**.
- 4. Click **Upload package** and follow the steps to upload the module package to Sitecore.
- 5. Click **Next** and follow the steps to install the package.
- 6. Before you close the wizard, select **Restart the Sitecore Client**.

To check that you have installed SFMC-BDE successfully:

- 1. In the Content Editor, go to /sitecore/system/Data Exchange.
- 2. Check that the **Connect for SFMC Tenant** insert option is present.

# 2.1. Configure a connection to Salesforce Marketing Cloud

To configure a connection between xConnect and Salesforce Marketing Cloud (SFMC), do the following:

- Add an API integration package to your SFMC installation.
- Add an SFMC connection string to your Sitecore installation.
- Ensure the required xConnect connection strings are present.

#### 2.1.1. Add an API integration package to your SFMC installation

To add an API integration package to your SFMC installation:

- 1. Open your Marketing Cloud site.
- 2. In top right corner, click your account, then click **Setup**.
- 3. In the left navigation bar, in the **Platform Tools** section, click **Apps**, then click **Installed Packages**.
- 4. In top right corner, click **New**. In the **New Package Details** window, in the **Name** field, enter a name for your package. You can name it anything, for example, *sitecore-def*.
- 5. Click Add Component, and select API Integration. Click Next.
- 6. Select the **Server-to-Server** integration type, and then click **Next**.



7. Add the required rights for your connection. xConnect to SFMC integrations require the following rights:

DATA	Data Extensions	• Read
		• Write

8. Click **Ok**.

#### 2.1.2. Add an SFMC connection string to your Sitecore installation

To add an SFMC connection string to your Sitecore installation:

- 1. In the Components area of the component you created, make a note of the following values:
  - Client Id
  - Client Secret
  - Authentication Base URI
  - REST Base URI
  - SOAP Base URI
- 2. Use the values to construct a connection string with this format:

```
<add name="sfmc" connectionString="client id=Client Id;client secret=Client Secret;auth
endpoint=Authentication Base URI;rest endpoint=REST Base URI;soap endpoint=SOAP Base
URI" />
```

3. Add the connection string to the App\_config\connectionstrings.config file on your Sitecore instance.

#### 2.1.3. Ensure the required xConnect connection strings are present

In the App\_config\connectionstrings.config file on your Sitecore instance, check that the following connection strings are present:

- xconnect.collection
- xconnect.collection.certificate



# 3. Upgrading SFMC-BDE to 7.0

This section describes how to upgrade a content management or standalone server from Sitecore Connect for Salesforce Marketing Cloud - Behavioral Data Exchange (SFMC-BDE) to 7.0.

# 3.1. Prerequisites

Before you upgrade SFMC-BDE, you must have the following:

- Sitecore Experience Platform 10.1 or earlier
- Sitecore Data Exchange Framework (DEF) 6.0 or earlier
- SFMC-BDE 6.0 or earlier.

# 3.2. Install the upgrade

To upgrade SFMC-BDE, you must:

- 1. Upgrade your Sitecore Experience Platform to 10.2 and your DEF installation to 7.0 using the instructions in the Prepare for upgrading SFMCBDE section in this guide.
- 2. Perform upgrade process.

# 3.3. Prepare for upgrading SFMCBDE

To prepare for upgrading the Sitecore Connect for SFMC Behavioral Data Exchange (SFMCBDE) connector to version 7.0, you must

- upgrade Sitecore Experience Platform (SXP) to version 10.2
- upgrade Data Exchange Framework (DEF) to 7.0
- clean old SFMCBDE items from the SXP content databases

To upgrade Sitecore, DEF, and clean SFMCBDE items:

1. Download the *Upgrade Guide for Sitecore Experience Platform* for SXP 10.2.0 from the Sitecore download page. Follow the Upgrade Guide to prepare the upgrade and set up the Sitecore.UpdateApp tool. When you get to the Clean the content databases section, perform the following instructions before continuing with the Upgrade Guide.



- 2. From the Resource files for Modules page, download the SFMC BDE Upgrade resources package.
- 3. Extract the SFMC BDE Upgrade resources 1.0.0.zip package to a local directory.
- 4. Open the SFMC BDE Upgrade resources 1.0.0\<version>\Data folder (for the version you are upgrading from), and copy the .dat files that are included in the core, master, and web folders, to the corresponding folder paths under \Sitecore.UpdateApp\. For example:
  - Copy the Data\Items\master\items.master.sfmcbde.dat files and paste it in the \Sitecore.UpdateApp\Data\Items\master folder.
  - Copy the Data\Items\web\items.web.sfmcbde.dat file, and paste it in the \Sitecore.UpdateApp\Data\Items\web folder.

#### NOTE

Each folder under the path \Sitecore.UpdateApp\Data\Items\ now contains two files, that is, the file you just copied and the items.<master/web/core>.dat file.

- 5. Add DEF upgrade files to the Sitecore upgrade. For detailed information on how to do this refer to the DEF 7.0 installation guide.
- 6. When you have added the upgrade files for SFMCBDE, DEF, and any connector modules you have installed, continue with the instructions in the Upgrade Guide to clean up the databases and upgrade your Sitecore installation.

# 3.4. Perform upgrade process

This section describes how to upgrade a content management or standalone server from Sitecore Connect for SFMC Behavioral Data Exchange (SFMCBDE) to 7.0.

#### NOTE

Before upgrading, make sure your system fulfills the prerequisites for the upgrade, and that you have cleaned the databases according to the instructions in Prepare for upgrading SFMCBDE.

#### To upgrade SFMCBDE, you must:

• Download and install the Sitecore Connect for SFMC Behavioral Data Exchange 7.0 Package.

#### NOTE

If you have created tenants in previous versions of the connector, the tenants will work as usual after the upgrade. You do not need to upgrade them.



# 4. Configure a tenant

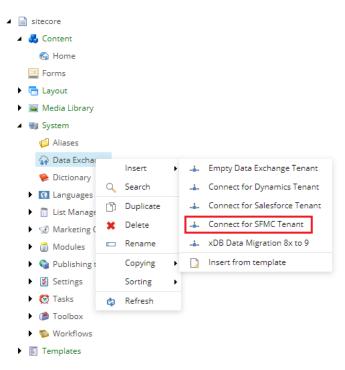
To set up a tenant to synchronize data to Salesforce Marketing Cloud (SFMC), do the following:

- Create an SFMC tenant.
- Configure an SFMC endpoint for the tenant.
- Test the xConnect endpoint for the tenant.
- Run the pipeline batch that creates the required data folders.

# 4.1. Create an SFMC tenant

To create an SFMC tenant:

- 1. In the Sitecore Launchpad, open the **Content Editor**.
- 2. Go to /sitecore/system/Data Exchange and right-click on Data Exchange.
- 3. In the Insert menu, click Connect for SFMC Tenant.



4. Go to /sitecore/system/Data Exchange/<tenant name>. On the Content tab, in the Administration section, click Enabled.



	Item path: Template: Created from: Item owner:	/sitecore/system/Data Exchange/Connect for SFMC Tenant Branch /sitecore/templates/Data Exchange/Frameworl/Tenants/Data Exchange Tenant - (327A3818-59F8-4E88-8331-8EBC78D87E4E) Connect for SFMC Tenant Branch, en, 1 - (30FCEBA1-F89C-4419-81AC-7C91CA2E5SA9) sitecore/Anonymous	
Tenant Settings	Administration		
Value Mapping Sets			
🌸 Dictionary	Enabled [share	ed) 2	
Indication and the second s			

5. Save the item.

# 4.2. Configure an SFMC endpoint

To configure an SFMC endpoint for the tenant:

- In the Content Editor, go to <tenant name>/Endpoints/Providers/SFMC/SFMC Endpoint.
- 2. In the **Connection String Name** field, enter the name of the SFMC connection string you created, for example, *sfmc*.

A 🖓 Data Exchange	Item path:	/sitecore/system/Data Exchange/Connect for SFIMC Tenant Branch/Endpoints/Providers/SFMC/SFMC Endpoint
Connect for SFMC Tenant Branch     XC Data Access	Template:	/sitecore/templates/Data Exchange/Providers/SFMC/Endpoints/SFMC Endpoint - (85A92D86-472D-4D5F-8AEB-53E314C48DD9)
<ul> <li>Endpoints</li> </ul>	Created from:	Connect for SFMC Tenant Branch, en, 1 - {30FCEBA1-F89C-4419-81AC-7C91CA2E55A9}
🦢 Common 🔺 🍺 Providers	Item owner:	sitecoreUnonymous
SFMC Endpoint 1	Settings Connection String	:Name [shared]:
Pipeline Batches	sfmc	2
<ul> <li></li></ul>	Troubleshooting	

- 3. Save the item.
- 4. Verify that the connection was successfully established: in the menu ribbon, on the **Data Exchange** tab, click **Run Troubleshooter**.

#### NOTE

If you do not see the **Data Exchange** tab, right click on the top menu and click **Data Exchange**.

# 4.3. Test the xConnect endpoint

To test the xConnect endpoint for the tenant:

 Go to <tenant name>/Endpoints/Providers/xConnect/xConnect Client Endpoint. Verify that the connection string names are set correctly: Sitecore Connect for Salesforce Marketing Cloud 7.0 - Behavioral Data Exchange Installation Guide



🖌 🎧 Data Exchange	Collection Service
<ul> <li>Connect for SFMC Tenant Branch</li> </ul>	
X Data Access	✓ Use Collection Service Settings For All Services [shared, standard value]
Endpoints	
Common	Collection Model [shared]:
Providers	
Find SEMC	Collection Models/Default/Default Collection Model
xConnect	
🛆 xConnect Client Endpoint	Collection Service Connection String Name [shared]:
► i∄! Pipeline Batches	xconnect.collection
Pipelines	
Tenant Settings	Collection Service Certificate Connection String Name [shared]:
<ul> <li>Value Mapping Sets</li> </ul>	xconnect.collection.certificate
🗭 Dictionary	
G Languages	Collection Service Credentials Connection String Name [shared]:
List Manager	
▶ 😴 Marketing Control Panel	

2. Verify that the connection was successfully established: in the ribbon menu, on the **Data Exchange** tab, click **Run Troubleshooter**.

# 4.4. Run the pipeline batch that creates the required data folders

By default, the tenant you have created has four predefined pipeline batches. The first pipeline batch is called Setup – SFMC Account Infrastructure. Before you use any other pipeline batches, you must run this pipeline batch once, in order to create the required folder infrastructure in your SFMC account.

To run the pipeline batch:

- 1. Go to <Tenant name>/Pipeline Batches.
- 2. Select the pipeline batch that you need to run.
- 3. On the Data Exchange tab, click Run Pipeline Batch.

#### NOTE

The folder infrastructure is defined in <tenant name>/Tenant Settings/ Providers/SFMC/Object Definitions/Data Folders.

# 4.5. Link Sitecore data to the Salesforce data extensions

To use the Sitecore data in Salesforce Marketing Cloud (SFMC) for marketing purposes, you need to link the Sitecore data to the data extensions in Salesforce.



#### IMPORTANT

Before you do this, you must run the pipeline batches Setup - SFMC Account Infrastructure, Push xConnect Contacts, and Push Marketing Lists once. These pipeline batches install the necessary folders in SFMC and push contact and marketing data from Sitecore to SFMC.

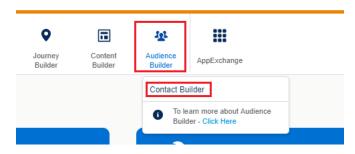
To link the contacts, you must create a primary/foreign key relationship in SFMC by doing the following:

- Create a link for the contact data.
- Extend the contact data to the membership data.

#### 4.5.1. Create a link for the contact data

To create a link for the contact data from xDB in SFMC:

- 1. Open your SFMC site.
- 2. In the top navigation bar, click **Audience Builder**, then click **Contact Builder**.



3. In the **Data Designer** tab, create an attribute group for Sitecore. Give it a name, for example, *Sitecore*.

#### NOTE

You should only have one *Sitecore* attribute group. If you have previously created a *Sitecore* attribute group, use that group instead of creating a new group.

- 4. Click the *Sitecore* attribute group. Click Link Data Extension.
- 5. In the new window, go to /Data Extensions/Sitecore and click the *xDB Contact* data extension.



Link Data Extension		×
Customer Data		
SYSTEM GENERATED	A	🔽 🗁 Data Extensions
Contact Key		Live Image
Email Address		Postman Folder
Mobile Address		<ul> <li>Do Not Delete Me Please</li> <li>Sitecore</li> </ul>
Push Device		<ul> <li>Email</li> <li>Journeys</li> </ul>
Push Application		xDB Contact     Sitecore-Performance
LINE		Shared Items
	-	

6. Create a link from *Customer Data* to *xDB Contact*. For example, you can link the Contact Key attribute from *Customer Data* to the contactKey attribute from *xDB Contact*. Make the link a one-to-one link by clicking **One** in the drop-down box on the right side.

Customer Data		xDB Contact	One
YSTEM GENERATED		OTHER	
Contact Key	¶ ABC	addressLine1	ABC
Email Address	@	addressLine2	ABC
Mobile Address	ABC	addressLine3	ABC
Push Device	ABC	addressLine4	ABC
Push Application	ABC	city	ABC
LINE	ABC	contactKey	T ABC
		countryCode	ABC

7. Click Save.

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#### 4.5.2. Extend the contact data to the membership data

To extend the contact data from Sitecore to the marketing lists:

- 1. In SFMC, open the Sitecore attribute group.
- 2. On the **Contacts** link definition, on the **xDB Contact** table, click the **Extend** icon to add an extension.

Data Designer Sitecore			
Contacts	<b>.</b>		
ABC Contact Key		xDB Contact	A 14
1 attribute sets linked 0 attributes total		DATA STORAGE	
o annouco total		Data Extension: XDB Contact	
		ABC addressLine1	
		ABC addressLine2	
		ABC addressLine3	
		ABC addressLine4	
		ABC city	
		ABC contactKey	
		APC countryCode	

3. In the Link Data Extension dialogue, on the right side, go to /Data Extensions/Sitecore/ Journeys and select the Audience Membership extension.

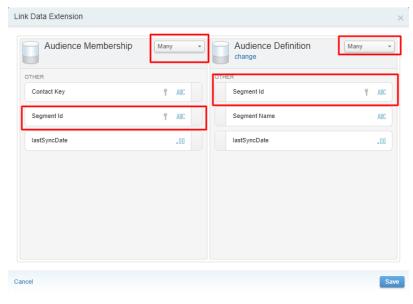
xDB Contact			
THER		•	💌 🗁 Data Extensions
addressLine1			Live Image
addressLine2			Postman Folder
			💌 🛅 Sitecore
addressLine3			🕨 🛅 Email
addressLine4			💌 🛅 Journeys
			Audience Definition     Audience Membership
city			Shared Items
contactKey	۹ A		
countryCode			
		•	

4. Create a link from *xDB Contact* to *Audience Membership*. For example, you can link the contactkey attribute from *xDB Contact* to the Contact Key attribute from *Audience Membership*. Make the link a one-to-many link by clicking **Many** in the drop-down box on the right side. Click **Save**.



xDB Contact	One	Audience Membership	Many
OTHER		OTHER	
addressLine1	ABC	Contact Key	¶ ABC
addressLine2	ABC	Segment Id	₹ ABC
addressLine3	ABC	lastSyncDate	.00
addressLine4	ABC		
city	ABC		
contactKey	🕈 ABC		
countryCode	ABC		

- 5. On the Audience membership table, click the **Extend** icon to add an extension.
- 6. In the Link Data Extension dialogue, on the right side, go to /Data Extensions/Sitecore/ Journeys and select the Audience Definition extension.
- 7. Create a link from *Audience Membership* to *Audience Definition*. For example, you can link the Segment Id attribute from *Audience Membership* to the Segment Id attribute from *Audience Definition*. Make the link a many-to-many link by clicking **Many** in the drop-down boxes on both sides. Click **Save**.





# 5. Pipeline batches

By default, the *Connect for SFMC* tenant includes four pipeline batches:

- Setup SFMC Account Infrastructure
- Push xConnect Contacts
- Push Marketing Lists
- Push xConnect Contacts And Marketing Lists

# 5.1. Setup – SFMC Account Infrastructure

This pipeline batch creates the infrastructure needed on your Salesforce Marketing Cloud (SFMC) account. You must run this pipeline batch once before you can use the other pipeline batches. The pipeline batch uses the data folder definitions in <tenant name>/Tenant Settings/Providers/SFMC/Object Definitions/Data Folders.

#### NOTE

The Setup pipeline batch only creates the folders in SFMC. After the folders have been created, the pipeline batch does not update or change them, even if the data folder definitions change.

# 5.2. Push xConnect Contacts

This pipeline batch pushes xConnect contacts to SFMC, where they are placed in /Data Extension/ Sitecore, in the data extension *xDB* Contact. By default, it includes these facets from the contact:

- Personal info
- Preferred email address
- Preferred phone number
- Preferred address
- Engagement measures



# 5.3. Push Marketing Lists

This pipeline batch pushes definitions and memberships for contact lists and segmented lists to SFMC. SFMC uses the data in two different applications, and each list is therefore pushed to two different targets. The following table shows where the data is stored.

SFMC Application	Pushed data	Data extension in SFMC
Journey Builder	List definitions	Audience Definitions, in /Data Extensions/Sitecore/ Journeys
Journey Builder	List memberships	Audience Memberships, in /Data Extensions/Sitecore/ Journeys
Email Studio	List definitions	A separate data extension for each list, in /Data Extensions/ Sitecore/Email
Email Studio	List memberships	Contacts are stored in a flat format, in /Data Extensions/ Sitecore/xDB Contacts

# 5.4. Push xConnect Contacts And Marketing Lists

This pipeline batch runs the Push xConnect Contacts and Push Marketing Lists pipeline batches in sequence.

# 5.5. Run a pipeline batch

To transfer data to Salesforce Marketing Cloud (SFMC), you must run the relevant pipeline batch. To run a pipeline batch:

- 1. Go to <tenant name>/Pipeline Batches. Select the pipeline batch you want to run.
- 2. In the menu ribbon, on the **Data Exchange** tab, click **Run Pipeline Batch**.

While the pipeline batch is running, you can click **Show Pipeline Batch Status Properties** to see the status of the pipeline batch. You can click **Stop Pipeline Batch** to stop the pipeline batch. If any data has been transferred before you stop the pipeline batch, it remains in SFMC. When you start the pipeline batch again, it updates the existing contacts and adds the new contacts.



# 6. Salesforce Marketing Cloud data extensions

Salesforce Marketing Cloud (SFMC) uses data extensions to store information. Sitecore stores the definitions for the data extensions in the *Connect for SFMC* tenant, in Tenant Settings/Providers/SFMC/Object Definitions.

By default, there are four data extension definitions in the folder:

- Data Extension Templates/Email Studio Template This represents the data extensions that the Push Marketing Lists pipeline batch creates in the /Data Extension/Sitecore/Emails folder in SFMC.
- Data Extensions/Audience Definition This represents the data extension Audience Definition in the /Data Extensions/Sitecore/ Journeys folder in SFMC.
- Data Extensions/Audience Membership
   This represents the data extension Audience Membership in the /Data Extensions/Sitecore/ Journeys folder in SFMC.
- Data Extensions/Sitecore/xDB Contact This represents the data extension xDB Contacts in the /Data Extensions/Sitecore folder in SFMC.

You can customize the data extensions by adding new fields or by creating new data folders.

# 6.1. Walkthrough: Adding a new field to a data extension

The default data extension definitions include a number of predefined fields. If you want to add other fields to a Salesforce Marketing Cloud (SFMC) data extension, you can change the data extension definition in the tenant.

This walkthrough uses the example of adding a text field to the *xDB Contact* data extension, and describes how to:

- Add a field to the tenant
- Create a source value accessor
- Create a target value accessor
- Create a mapping between the value accessors
- Update the data extension

#### 6.1.1. Add a field to the tenant

This example assumes you want to add a new attribute to the contact record. To do this, you must first define the new attribute by adding a new field to your tenant.

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To add a field to your tenant:

- In Sitecore, in the Content Editor, find your tenant and go to Tenant Settings/Providers/ SFMC/Object Definitions/Data Extensions/xDB Contact.
- 2. In the **Insert** menu, click **Text**. Enter a name for the field.
- 3. In the **Required Settings** section, fill in the following properties:
  - Length the maximum length of the data in the field.
  - *Name* a unique attribute key for accessing the attribute.
  - *Type* the type of data the field contains.
- 4. In the **Optional Settings** section, fill in the following properties or leave them blank:
  - Default Value enter a default value for the attribute.
  - *Primary Key* make the attribute the primary key.
  - *Required* make the attribute a required field.

Data Extensions	Item owner: sitecore\admin
Audience Definition	
Audience Membership	Required Settings
My Data Extension	Length shared]:
▲ III xDB Contact	cengur shoreaj.
Age Address Line 1	100
Address Line 2	
ABC Address Line 3	Name shared]:
Age Address Line 4	MyTextField
ASE City	
Age Contact Key	Type shared, standard value]:
nge Country Code	Text
🖂 Email Address	
NPF First Name	
ABF Last Name	Optional Settings
nge Middle Name	
ng MyTextField	Default Value shared]:
nge Phone Country Code	
APE Phone Extension	
nge Phone Number	Primary Key [shared]
NBC Postal Code	
ABE State Or Province	Required [shared]
≟≣ Last Sync Date	

5. Click **Save**.

#### 6.1.2. Create a source value accessor

You must add a value accessor that can read the field value in xConnect.

To add a source value accessor:

1. Go to Data Access/Value Accessor Sets/Providers/xConnect/Contact.



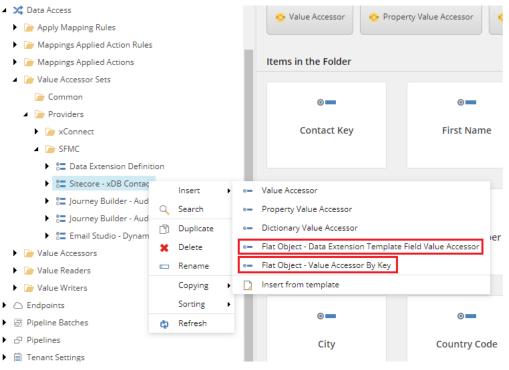
- 2. Right-click **Contact** and in the **Insert** menu, click **xConnect Entity Facet Property Value Accessor**.
- 3. Enter the item name and then click **OK**.
- 4. In the **Settings** section, in the **Facet Property** field, click the field that you want the accessor to connect to.
- 5. Click Save.

#### 6.1.3. Create a target value accessor

You must add a value accessor that can update the field value in SFMC.

To add a target value accessor:

- In your tenant, go to Data Access/Value Accessor Sets/Providers/SFMC/Sitecore xDB Contact.
- 2. Open the **Insert** menu. Click the *Flat Object Data Extension Template Field Value Accessor* accessor.



#### NOTE

You can also click the *Flat Object - Value Accessor By Key* accessor, but you must then manually maintain the field name, if it is changed in the data definition.



3. In the **Settings** section, in the **Field** field, click the field the accessor connects to.

Settings		^
Field [shared]:		
Object Definitions/Data Extensions/xDB Contact/MyTextField	<ul> <li>Data Extension Templates</li> <li>Data Extensions</li> </ul>	· ·
Value Access	Audience Definition     Audience Membership	•
Value Reader [shared]:	▲ () xDB Contact № Address Line 1	
	Alfers Line 2	-
Value Writer [shared]:	୍ୟୁନ Address Line 4 କୃତ City	
	Apr Contact Key	-
Data Exchange Framework	Email Address	-
	89年 Last Name 88年 Middle Name	
	ASE Phone Country Code	
	Phone Extension	~

4. Click Save.

#### 6.1.4. Create a mapping between the value accessors

You must create a mapping between the source value accessor and the target value accessor.

To create a mapping:

- In your tenant, go to Value Mapping Sets/Sitecore xConnect Contact To SFMC/ xConnect Contact - To Flat Object.
- 2. In the Insert menu, click Value Mapping. Enter a name for the mapping.
- 3. In the **Source Accessor** field, select the value accessor that reads the value from xConnect.
- 4. In the Target Accessor field, select the value accessor that writes the value to SFMC.
- 5. Click Save.

#### 6.1.5. Update the data extension

Finally, you must add the new field to the data extension in SFMC.

To add the field to the data extension, you can do one of the following two things:

- Create the field manually in the data extension in SFMC.
- Delete the data extension in SFMC and run the Setup SFMC Account Infrastructure pipeline batch.

#### IMPORTANT

If you choose to delete the data extension, you must link the Sitecore data to the SFMC data extension again, as described in Link Sitecore data to the Salesforce data extensions.



### 6.2. Create a new data folder

By default, the Setup – SFMC Account Infrastructure pipeline batch creates the folders that are needed to send data to SFMC. If you want to add additional data folder in Salesforce Marketing Cloud - Behavioral Data Exchange (SFMC), you must create a definition for the folder and push it to SFMC.

- In Sitecore, in the content editor, in the folder for the tenant, go to Tenant Settings/ Providers/SFMC/Object Definitions/Data Folders/Sitecore.
- 2. Using the Insert menu, select **Data Folder**. Enter a name for the data folder.
- 3. In the created item, in the **Settings** section, fill in these mandatory fields:
  - Name the data folder name. This can be the same as the item name.
  - External Key a unique key for accessing the data folder.
  - **Description** a short description of the data folder.
  - Allow Children select this to allow your data folder to have children.
  - Content Type the type of content contained in the data folder.

A 🍺 SFMC	
Base URIs	Settings
Conditions	
Contents	Name shared]:
▶ 庐 Headers	MyDataFolder
<ul> <li>Definitions</li> </ul>	
Data Extension Templates	External Key [shared]:
Data Extensions	my-data-folder
🔺 🍺 Data Folders	
Sitecore	Description shared]:
🗎 Email	
🧎 Journeys	
🍹 MyDataFolder	
🎓 Parameters	Allow Children shared, standard value]
Requests	
Responses	Content Type shared]:
XElements	dataextension
🍺 Filter Expression	

4. Run the pipeline batch Setup - SFMC Account Infrastructure to push the changes to your SFMC account.





# 7. Tune the performance of the pipeline batches

You can optimize performance for your particular setup by configuring thread count and batch size for many of the pipelines that are used by the Push xConnect Contacts and Push Marketing Lists pipeline batches.

Parameter	Notes	Default setting
Thread count	The maximum number of push requests running at the same time.	8
Batch size	The number of contacts processed in each push request.	500

The optimal settings for these parameters depend on your particular setup.

The pipelines for the Push xConnect Contacts pipeline batch are located in your tenant, in Pipelines/Push xConnect Contacts.

The pipelines for the Push Marketing Lists pipeline batch are located in your tenant, in Pipelines/Push Marketing Lists, Pipelines/Email Studio, and Pipelines/Journey Builder.

# 7.1. Configure the batch size for a pipeline

You can configure the batch size for:

- Any pipeline whose name starts with Add To Queue, such as Add To Queue Audience Definitions For Creation.
- The Pipelines/Push xConnect Contacts/Read xConnect Contacts/ Read xConnect Contact pipeline.
- The Pipelines/Push Marketing Lists/Read Single Marketing List Memberships/ Read List Memberships pipeline.

For example, to configure the batch size for the pipeline that reads xConnect Contacts:

- In Sitecore, in the Content Editor, go to /sitecore/system/Data Exchange/<tenant name>/Pipelines/Push xConnect Contacts/Read xConnect Contacts/ Read xConnect Contacts.
- 2. In the **Settings** section, in the **Contact Batch Size** field, enter the number of contacts to process per batch.

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다 Pipelines	xConnect/xConnect Client Endpoint	
Setup - SFMC Account Infrastructure		
Push xConnect Contacts		
Ensure Data Extension Definitions	Contact Settings	
▲ Read xConnect Contacts		
Read xConnect Contacts	Contact Batch Size [shared]:	
Iterate To Process xConnect Contact	100	
Flush Queue - xDB Contacts Upsert		
► Process Single xConnect Contact	Contact Max Count - Maximum number of entities to read	
▶ 🗗 Handle Outdated Contacts at SFMC		
Process Single Outdated Contact		

# 7.2. Configure the thread count for a pipeline

You can configure the thread count for any pipeline whose name starts with *lterate*, such as Iterate To Process xConnect Contact.

For example, to configure the thread count for the pipeline that processes xConnect contacts after they have been read:

- In Sitecore, in the Content Editor, go to /sitecore/system/Data Exchange/<tenant name>/Pipelines/Push xConnect Contacts/Read xConnect Contacts/Iterate To Process xConnect Contact.
- 2. In the **Contact Settings** section, in the **Max Thread Count** field, enter the number of threads.
  - ▲ ⊕ Pipelines
    - Setup SFMC Account Infrastructure
    - 🔺 🍺 Push xConnect Contacts
      - ▶ 🗗 Ensure Data Extension Definitions
      - Read xConnect Contacts
         Read xConnect Contacts
        - Iterate To Process xConnect Contact
           Flush Queue xDB Contacts Upsert
      - ▶ 🗗 Process Single xConnect Contact
      - ▶ 🗗 Handle Outdated Contacts at SFMC
      - ▶ 🗗 Process Single Outdated Contact
    - Push Marketing Lists
    - 🕨 📄 Email Studio
    - Journey Builder

Iterable Data Location [shared, standard value]:
Pipeline Context Iterable Data
Data Location - The iterated data object that is passed to the pipel
Pipeline Context Source
Max Thread Count shared, standard value]:
1
Do Not Close All Threads On Exception - If ticked, if an exceptio