

Define a Data Model Service Query

Last Modified on 11/13/2017 7:07 am EST

You can define the data model with a query whose data is retrieved from a service. This data can then be used to populate a combo box in a form.

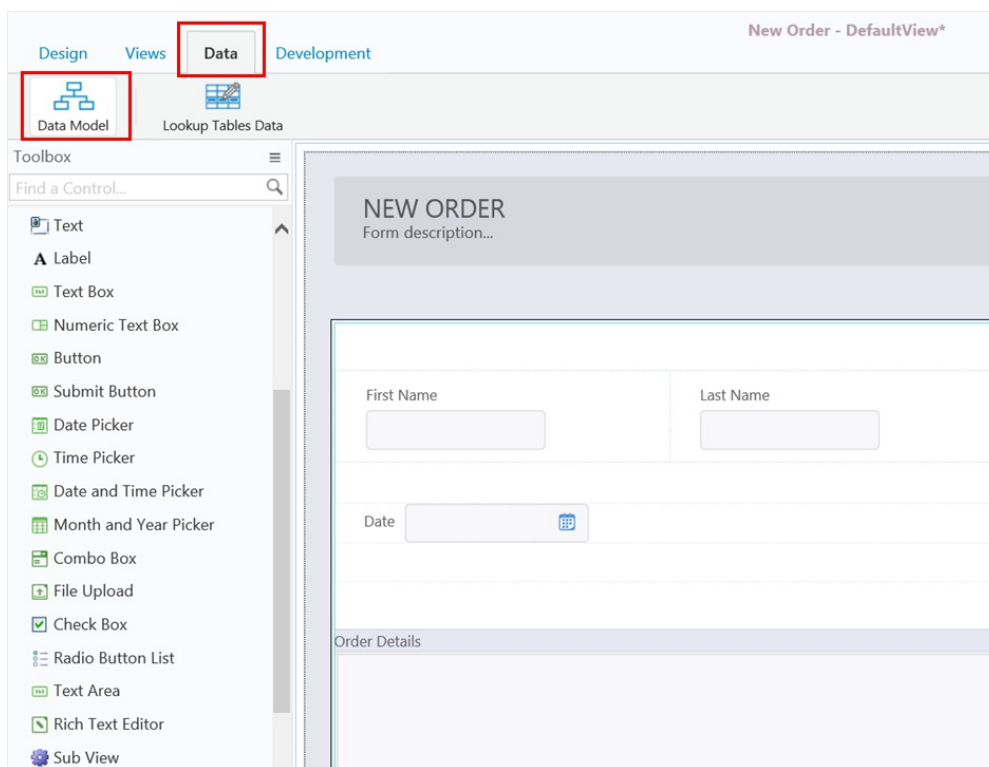
Supported Services Types

- [Web Service Consumer](#)
- [WCF Consumer](#)
- [External Service Consumer](#)
- [Dynamics CRM Service Provider](#)
- [REST Service Consumer Provider](#)
- [SharePoint Service Provider](#)
- [SAP Consumer Provider](#)

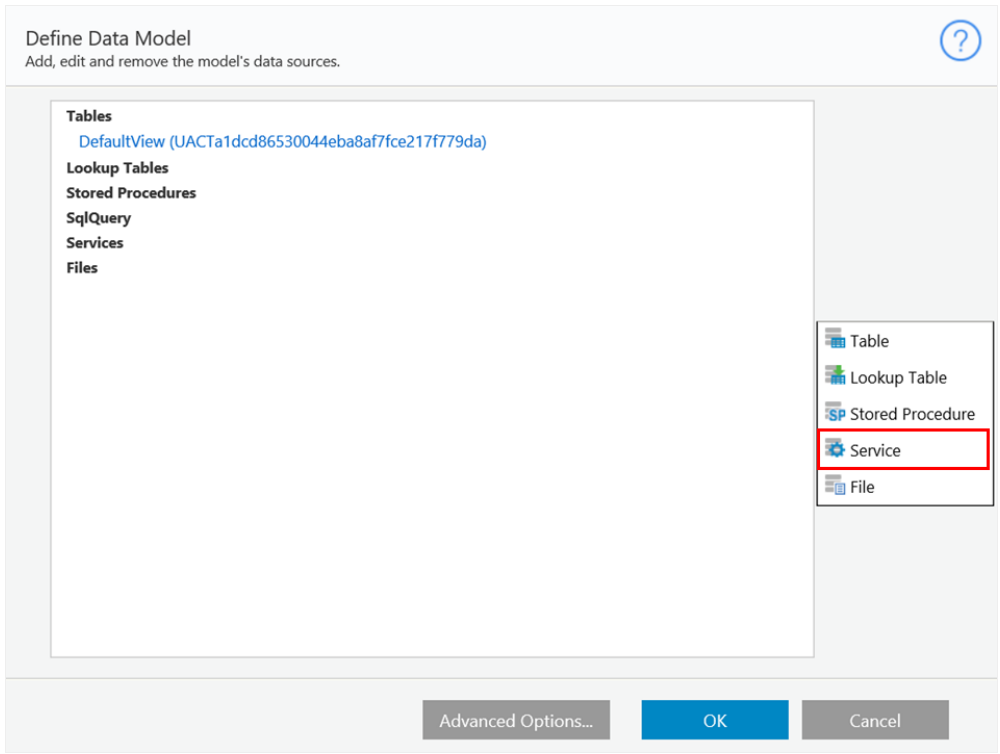
For each service type, you define a connection to the service, set values for the input parameters, and build the query structure based on return values.

The service connections for all service types are similar. In this article, we use the Web Service Consumer.

Access the Data Model

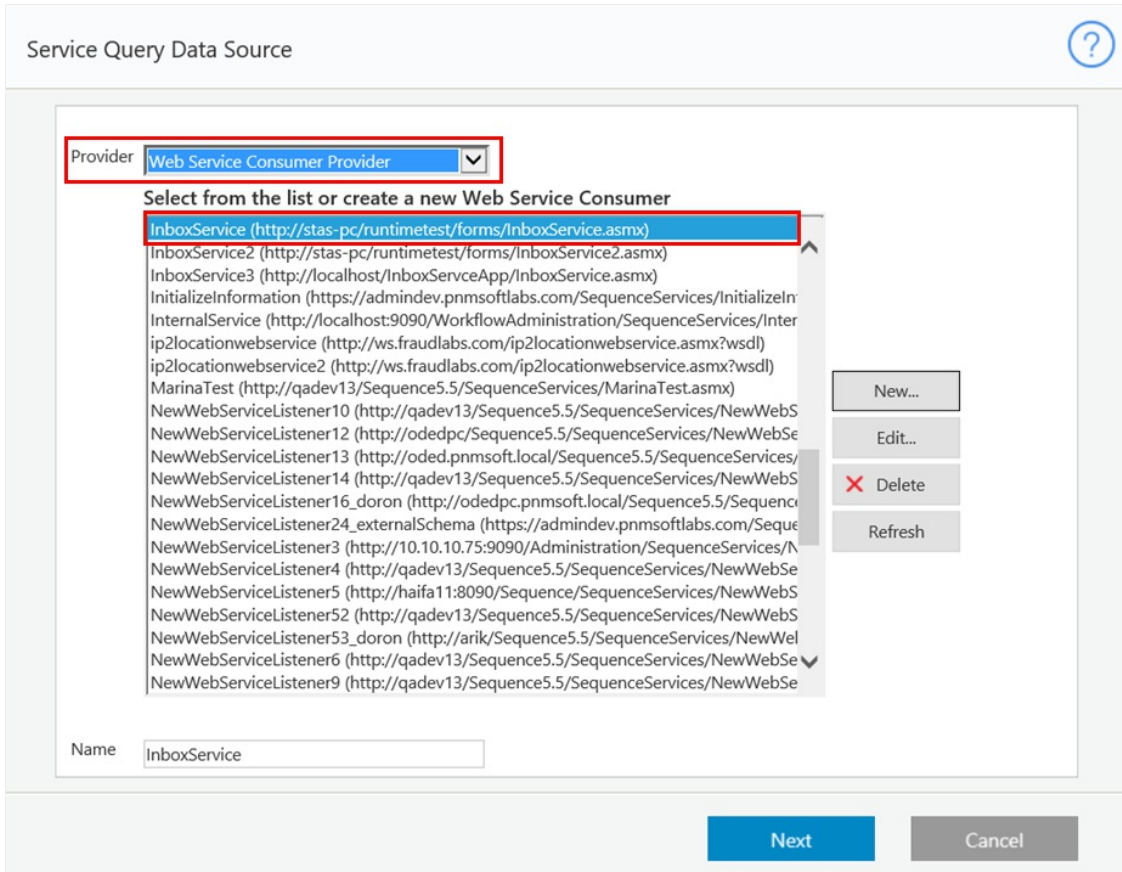


Define the Data Model



Select a Provider and Service

You can create a new service, select an existing service, or edit an existing service.



Define Query Data Source Parameters

- From the **Services** drop-down menu, select the service you want to consume.
- From the **Methods** drop-down menu, select the method you want to invoke.
- In the **Request** panel, click each method input parameter and define its value. These can be hard-coded, based on an expression, or form input parameters. If you define them as form input parameters, they must begin with the @ symbol, for example, @custname.
- In the right-hand panel, define the connection properties.

Service Query Bindings ?

Services

Methods

Request/Response

GetView

- Headers
- Body
 - InboxItem[] (ReturnValue)**

DataSource

AutoPopulate

Length 0

Value

IsNull

> <> (metadata)

- > End
- > Place Order
- > SP Calculate Price
- > Start

Define Service Data Fields

- Add fields from the **Method Return Value Fields** panel to the **Service Projection** panel.
- If one of the return values is an object that contains a list of fields, such as an Order, and you want to add these fields to your query, you can enter this object's name in the **Internal Data Source** text box. To do this, click **Show Fields**, and then its fields display in the **Method Return Fields** panel, and you can add them to the query.
- In the **Type an Expression** text box, you can create an expression and add it to the query fields. You can base the expression on the return values, for example, a concatenation of two return fields, or on other fields in the workflow.



Internal Data Source

Messages

Show Fields

Method Return Value Fields


Existing fields of your selected method

- Body
- From
- Id
- Received
- RowNumber
- Subject
- To

>>

Service Projection

The fields of your query

 Name	Projected Field		
<input checked="" type="checkbox"/> Body	Body	...	Delete
<input checked="" type="checkbox"/> From	From	...	Delete
<input type="checkbox"/> Subject	Subject	...	Delete
<input type="checkbox"/> To	To	...	Delete

Type an Expression

{Place Order}.Result

...

>>

Back

Finish

Cancel

Service Query Added

Define Data Model

Add, edit and remove the model's data sources.



Tables

DefaultView (UACTa1dcd86530044eba8af7fce217f779da)

Lookup Tables

Stored Procedures

SqlQuery

Services

InboxService (GetView)

Files

Add ▼

Edit...

✖ Remove

Advanced Options...

OK

Cancel