Define a Data Model Service Query

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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

Design Views Data	Develo	opment		New Order - DefaultView*
Data Model Lookup Tables	Data			
Toolbox	=			
Find a Control	Q,			
Text	~	NEW ORDER Form description		
A Label				
Int Text Box				
Numeric Text Box				
Button				
📧 Submit Button		First Name	La	ast Name
Date Picker				
Time Picker				
🐻 Date and Time Picker				
🔝 Month and Year Picker		Date		
🖃 Combo Box				
🛨 File Upload				
Check Box				
§∃ Radio Button List		Order Details		
I Text Area				
Rich Text Editor				
🎲 Sub View				

Define the Data Model

fine Data Model I, edit and remove the model's data sources.			(
Tables DefaultView (UACTa1dcd86530044eba8 Lookup Tables Stored Procedures SqlQuery Services Files	af7fce217f779da)		Table Lookup Table SP Stored Proced Service
	Advanced Options	ОК	Cancel

Select a Provider and Service

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

Provider	Web Service Consumer Provider		
	Select from the list or create a new Web Service Consumer		
	InboxService (http://stas-pc/runtimetest/forms/InboxService.asmx)		
	InboxService2 (http://stas-pc/runtimetest/forms/InboxService2.asmx)		
	InboxService3 (http://localhost/InboxServceApp/InboxService.asmx)		
	InitializeInformation (https://admindev.pnmsoftlabs.com/SequenceServices/InitializeIn InternalService (http://localhost:9090/WorkflowAdministration/SequenceServices/Inter		
	ip2locationwebservice (http://ws.fraudlabs.com/ip2locationwebservice.asmx?wsdl)		
	ip2locationwebservice2 (http://ws.fraudlabs.com/ip2locationwebservice.asmx?wsdl)		
	MarinaTest (http://qadev13/Sequence5.5/SequenceServices/MarinaTest.asmx)	New	
	NewWebServiceListener10 (http://qadev13/Sequence5.5/SequenceServices/NewWebS		
	NewWebServiceListener12 (http://odedpc/Sequence5.5/SequenceServices/NewWebSe NewWebServiceListener13 (http://oded.pnmsoft.local/Sequence5.5/SequenceServices/	Edit	
	NewWebServiceListener14 (http://gadev13/Sequence5.5/SequenceServices/NewWebS	× Delete	
	NewWebServiceListener16_doron (http://odedpc.pnmsoft.local/Sequence5.5/Sequence	× Delete	
	NewWebServiceListener24_externalSchema (https://admindev.pnmsoftlabs.com/Seque	Refresh	
	NewWebServiceListener3 (http://10.10.10.75:9090/Administration/SequenceServices/N		
	NewWebServiceListener4 (http://qadev13/Sequence5.5/SequenceServices/NewWebSe NewWebServiceListener5 (http://haifa11:8090/Sequence/SequenceServices/NewWebS		
	NewWebServiceListener52 (http://gadev13/Sequence5.5/SequenceServices/NewWebS		
	NewWebServiceListener53_doron (http://arik/Sequence5.5/SequenceServices/NewWel		
	NewWebServiceListener6 (http://qadev13/Sequence5.5/SequenceServices/NewWebSe V		
	NewWebServiceListener9 (http://qadev13/Sequence5.5/SequenceServices/NewWebSe		
Name	InboxService		

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 hardcoded, 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.

rvices InboxService ethods InboxItem[] GetView()	✓
equest/Response	
←GetView ↓ Headers ➡- Body	DataSource AutoPopulate Length 0
L. Inboxitem[] (ReturnValue)	Length 0 Value
	IsNull
	 (metadata) End
	 Place Order SP Calcuate Price
	Start
Edit Parameters	Back Next Cancel

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.

Messages					
Show Fields Method Return Value Fields xisting fields of your selected method		e Projection ds of your query			
Body From	7	Name	Projected Field		~
ld	~	Body	Body	 <u>Delete</u>	
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Service Query Added

DefaultView (UACTa1dcd86530044eb	a8af7fce217f779da)	
Lookup Tables	· · · · · · · · · · · · · · · · · · ·	
Stored Procedures		
SqlQuery		
Services		
InboxService (GetView)		
Files		
		Add 🔻
		Edit
		× Remove