

## Business Capability Creation from XSD

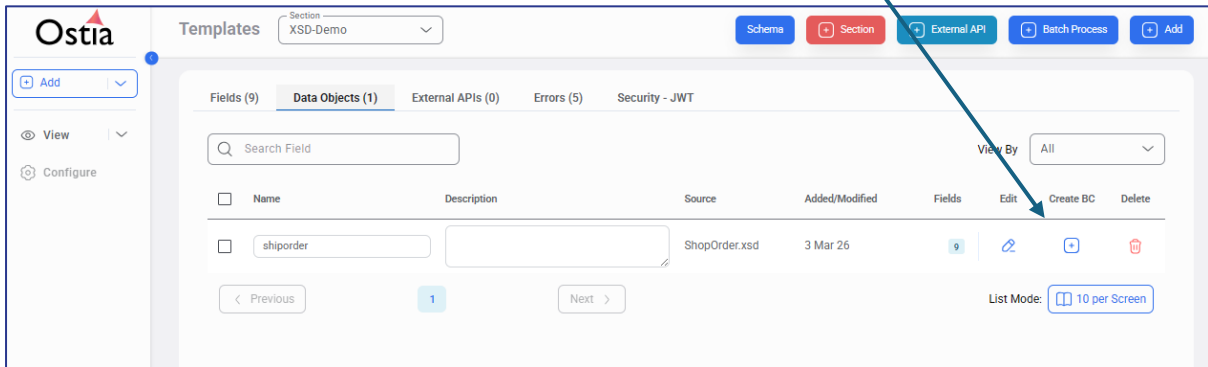
This document describes the steps required to create a set of Digital Capabilities to manage the addition, deletion, updating and retrieval of Data Objects based on an original XML Schema Definition created in the previous document.

*Note that the Field Templates and Data Objects must first be created before this can be completed. See document **03-B - Batch Processing from XSD** to complete the initial steps for this guide.*

### Create Digital Capabilities

This will use the created Data Object schema as the input to create the base Digital Capabilities.

1. Go to the Data Object list in the Templates section and hit the 'Create BC button:



2. Provide the name of ManageOrder and optional description and hit the "Create" button:

**Ostia** < Create Business Capability from **shiporder**

+ Add

View

Configure

Name\*

Description

- Generate Get
- Generate Get Multiple
- Generate Get Multiple With RSQL
- Generate Post
- Generate Put
- Generate Patch
- Generate Delete

Create Cancel

3. This will result in the creation of seven Digital Capabilities with a default configuration. Each of these are described in detail in the next section.

**Ostia** Business Capability: **ManageOrder** | Digital Capabilities: 7 Test

Search Digital Capability View By: All

#	Name ↑	Description	Type	Endpoint	Steps
<input type="checkbox"/>	Delete_shiporder	This endpoint enables you to delete data for the shiporder data object	DELETE	/Delete_shiporder/{orderperson}	6
<input type="checkbox"/>	GetSingle_shiporder	This endpoint enables you to retrieve one instance of the shiporder data object	GET 1	/GetSingle_shiporder/{orderperson}	5
<input type="checkbox"/>	Patch_shiporder	This endpoint enables you to patch data for the shiporder data object	PATCH	/Patch_shiporder/{orderperson}	6
<input type="checkbox"/>	Post_shiporder	This endpoint enables you to add data for the shiporder data object	POST	/Post_shiporder	3
<input type="checkbox"/>	Put_shiporder	This endpoint enables you to update data for the shiporder data object	PUT	/Put_shiporder/{orderperson}	6
<input type="checkbox"/>	RSQLSearch_shiporder	This endpoint enables you to find zero or more instances of the shiporder data object	GET *	/RSQLSearch_shiporder	3
<input type="checkbox"/>	Search_shiporder	This endpoint enables you to find zero or more instances of the shiporder data object	GET *	/Search_shiporder	3

List Mode: List All

## The Default Digital Capabilities

This describes each of the Digital Capabilities generated, its purpose and what changes you may wish to make. Note these names are based on the Data Object Schema name. If you use a different name, the names will change.

### General Changes

The base configuration for each Digital Capability is a functional configuration, but further configuration may be required for all:

- Often business logic to restrict access to specific data may need to be included.
- There may be changes needed to the data returned in many cases.

### Delete\_shiporder

This will enable the deletion of a specific Data Object instance based on the unique field or fields configured in the Data Object Schema.

### GetSingle\_shiporder

This will enable the return of a specific Data Object instance based on the unique field or fields configured in the Data Object Schema.

### Patch\_shiporder

The Patch Digital Capability is there to update a limited number of fields within a Data Object instance. As such it is likely that this will be modified to only accept field values to be updated by that particular Digital Capability.

### Post\_shiporder

This is provided to create a new Data Object instance on the database. This should be reviewed to determine what is creating the unique key value for the Data Object instance. If this is generated internally, it will always be unique. If the unique value is provided in the Request Body, a check must be added to make sure it doesn't already exist and throw an error if it does.

### Put\_shiporder

This is there to update the entire contents of a Data Object instance based on the Data Object instance identified by the unique field or fields configured in the Data Object Schema.

### RSQLSearch\_shiporder

This is a Digital Capability that is intended to allow comprehensive search capability using RSQL expression for sets of Data Objects on the database. This is most useful when exposed as an MCP Tool.

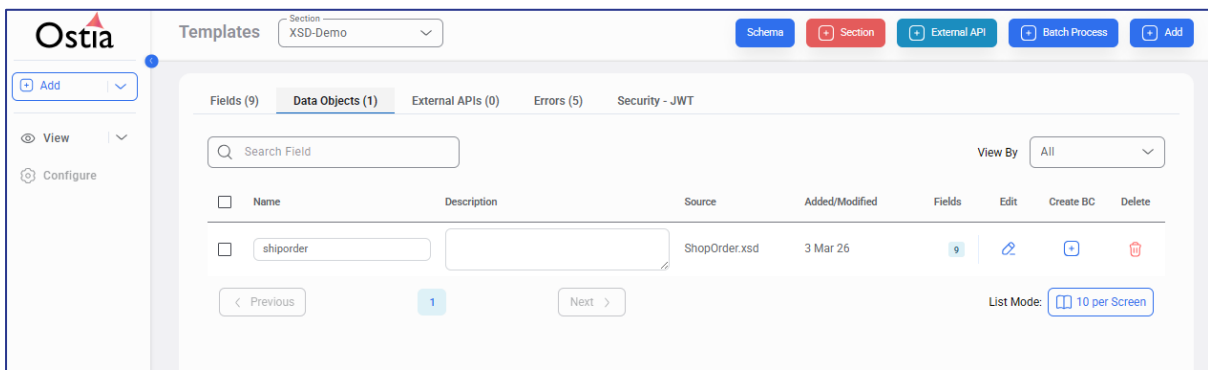
## Search\_shiporder

This allows searching for Data Object Instances using multiple fields in the Data Object Schema. All key fields are included by default and often there will be a requirement to reduce the search fields available to be searched.

## Adding Digital Capabilities

Once a Business Capability has been created, it is possible to create additional Digital Capabilities in the Business Capability as follows:

1. Go to the Data Object list in the Templates section:



2. Hit the "Create BC" Button and select the existing ManageOrder Business Capability from the 'Name' Dropdown list:

The screenshot shows the Ostia interface for creating a business capability. The header is 'Create Business Capability from shiporder'. The sidebar on the left has 'Add', 'View', and 'Configure' options. The main form has the following fields and options:

- Name\***: ManageOrder
- Description**: (empty text area)
- Generate Get**
- Get Qualifier\***: (empty input field)
- Generate Get Multiple**
- Get Multiple Qualifier\***: (empty input field)
- Generate Patch**
- Patch Qualifier\***: (empty input field)

At the bottom, there are 'Create' and 'Cancel' buttons.

3. There are limited Digital Capabilities that can be added as the majority only required once. The qualifier for each is to ensure the Endpoint and Name are different to the initially created Digital Capability. The following are available for the following reasons:
- GET – There may be a desire for different GET endpoints to return different information in the Response.
  - GET Multiple – There may be different sets of fields to be exposed on different GET Multiple Digital Capabilities and/or there may be a desire to return different information in the Response.
  - Patch – There may be multiple Patch requests required to update different individual fields within a Data Object Instance.