

Business Capability Creation from Swagger

This document describes the steps required to create the Business Capability based on a Swagger definition. The Business Capability is made up of one or more Digital Capabilities depending on the number of Endpoints in the Swagger. Each endpoint will be available as an Endpoint or a MCP Tool.

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

The Swagger used in this tutorial is contained in the following:

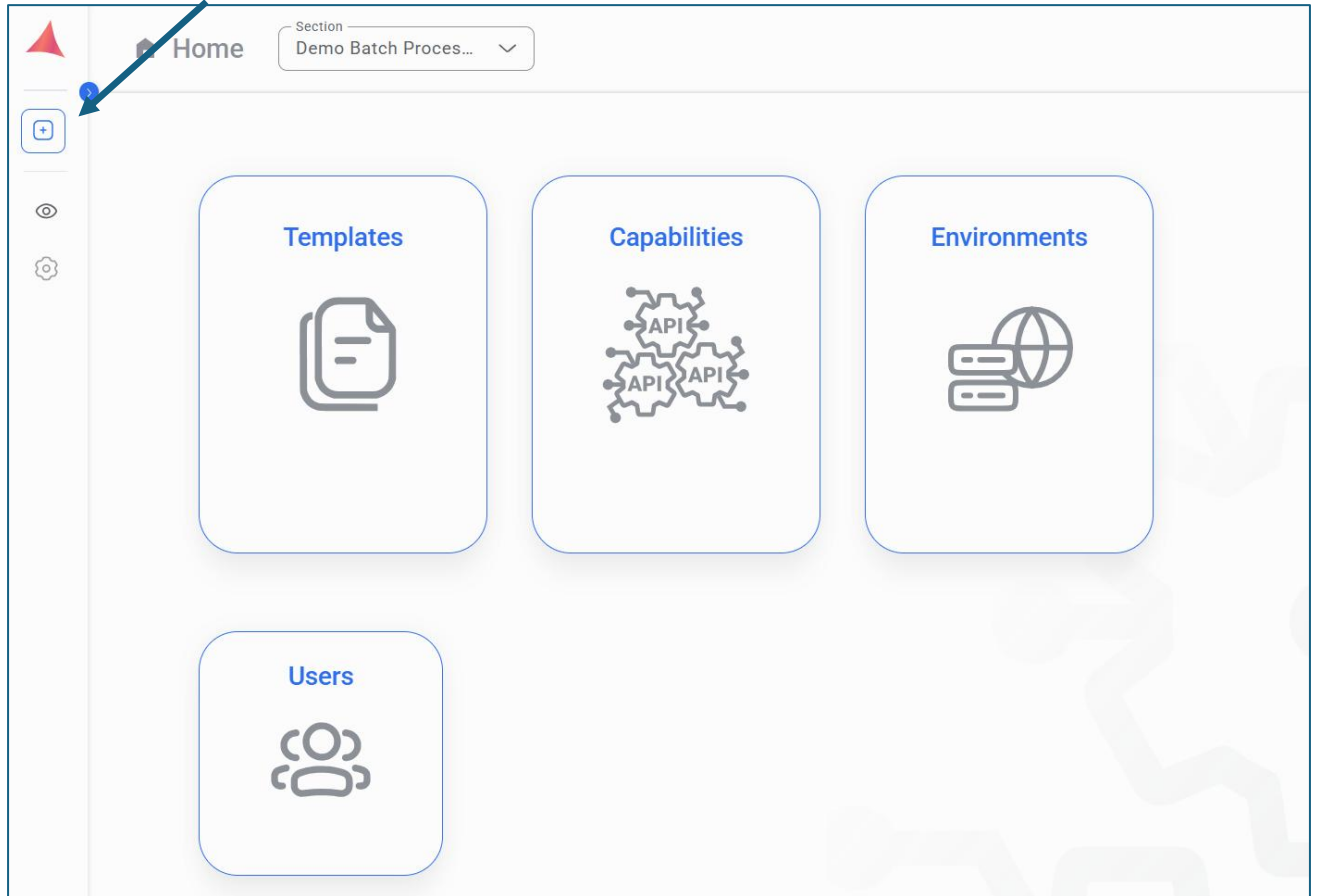


New payment.yaml

Add The Business Capability

This guide will cover the steps to process the Swagger file and, using the previously created Field Templates and Data Object Schema(s), will create the related Digital Capabilities based on the Endpoints defined in the Swagger.

1. From the main menu, select the appropriate Section and click on the '+' symbol to start the process:



2. Upload the Swagger file, add the name and description, select the 'Payments' Data Object Schema and hit the "Add" button:

Add Business Capability Section: Demo Batch Proces...

Name*: Payments

Description: This is the payments Business Capability for the Demo Batch Process tutorial

Data Object*: Payments

Service Definition: Upload a File (New payment.yaml)

Buttons: Add, Cancel

3. The Business Capability will be created and will result in the presentation of the following screen:

Business Capability: Payments | Digital Capabilities: 3

Search Digital Capability

#	Name	Description	Type	Endpoint	Steps
1	createPayment	Create a payment transfer (Payment Transaction) to send funds to a Recipient.	POST	/payments	4
2	getPaymentById	Retrieve details of a payment transfer, including latest status, using the 'paymentId' that was returned when you created the transfer	GET	/payments/{payment_id}	5
3	getPaymentByRef	Retrieve details of a payment transfer, including latest status, using the 'referenceId' value you provided when you created the transfer	GET	/payments	3

List Mode: List All

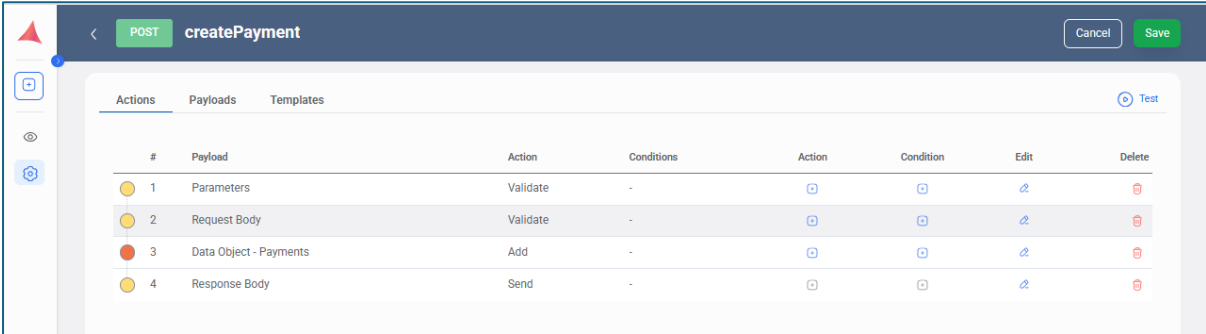
Review Business Capability Created

In this case, three Digital Capabilities will be created based on the Swagger with some default decisions taken. These are documented for each Digital Capability below.

createPayment

Select the 'edit' button beside a Digital Capability to view the default actions.

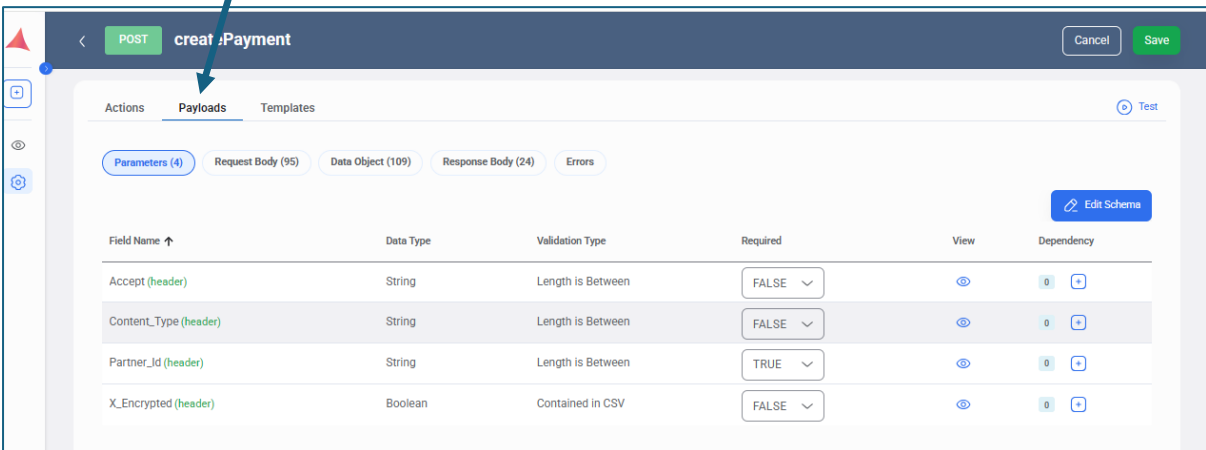
The default implementation is created with the following actions:



The Actions created by default are as follows:

1. The Parameters provided when the request is issued are validated based on the Field Template rules that were created.
2. The RequestBody field values provided when the request is issued are validated based on the Field Template rules that were created.
 - a. If any invalid values are found, the request will be rejected with a Validation Error.
3. A new Data Object Instance is built based on the Parameters and/or the RequestBody field values and added to the database.
4. The ResponseBody is created based on the created Data Object Instance and returned to the caller.

Click on the "Payloads" tab to see the following:



The tabs below here are as follows:

- Parameters: This shows the parameters accepted by the Digital Capability and the rules associated with them.
- Request Body: This shows the Request Body fields accepted by the Digital Capability and the rules associated with them.

- Data Object: Will show the configuration used to build the Data Object Instance and allow this to be modified if required.
- Response Body: Will show the configuration used to build the Response Body and allow this to be modified if required.
- Errors: This will list the Error Template(s) used by the Digital Capability and allow modification for the local Digital Capability if desired

Click on the "Templates" tab to see the following:

- Fields: These are the fields used in the Digital Capability and the rules associated with those fields.
- Organization Data Objects: contains any external Data Objects used in the Digital Capability.
- External APIs: contains any External APIs called from the Digital Capability.
- Errors: Are the Error Templates available to the Digital Capability.
- Security JWT: Is active if the Security JWT is referenced in the Digital Capability.

getPaymentById

The default implementation is created with the following actions:

#	Payload	Action	Conditions	Action	Condition	Edit	Delete
1	Parameters	Validate	-				
2	Data Object - Payments	Get	-				
3	Data Object - Payments	-	Does Not Exist				
4	Not Found Error	Send	-				
5	Response Body	Send	-				

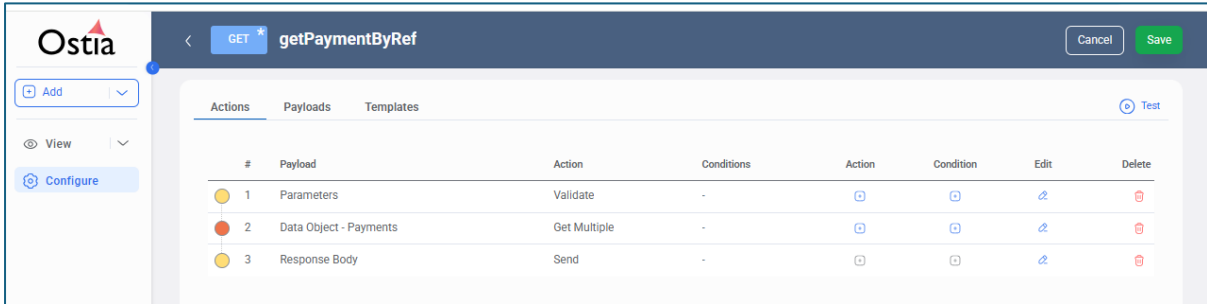
The Actions created by default are as follows:

1. The Parameters provided when the request is issue are validated based on the Field Template rules that were created.
 - a. If any invalid values are found, the request will be rejected with a Validation Error.
2. An attempt is made to GET the Data Object Instance based on the parameters provided.
3. Check if the Data Object Instance Exists ?
4. If not, send a Does not exist error.
5. Otherwise, the ResponseBody is created based on the returned Data Object Instance and returned to the caller.

The "Payloads" and "Templates" tabs are as described for the first Digital Capability

getPaymentByRef

The default implementation is created with the following actions:



The Actions created by default are as follows:

1. The Parameters provided when the request is issue are validated based on the Field Template rules that were created.
 - a. If any invalid values are found, the request will be rejected with a Validation Error.
2. An attempt is made to GET Multiple Data Object Instances based on the parameters provided.
3. The ResponseBody is created based on the returned Data Object Instances and returned to the caller. Note, as this is a Get Multiple, if not Instances are found, the returned ResponseBody will be empty.

The "Payloads" and "Templates" tabs are as described for the first Digital Capability.

Next Steps

This concludes the general setup tutorial for a basic implementation. See the Additional configuration guides for more information about improvements and modifications to the default outputs.