

Data Object Schema Additional Configuration

Data Object Schemas can be created from a number of sources including from Swaggers, OpenAPI Documents, COBOL Copybooks, JSON Schemas etc. In these cases, the system 'guesses' what may be required and these will need to be reviewed. Even if the if you have created a Data Object Schema manually, there may be interesting tips and ideas below.

Standard Data Object Schema

The following points should be taken into account when designing a Data Object Schemas:

- It must always start with a structure (i.e. not a Field or an Array)
- There will be one or normally more fields on the top level below the initial structure.
 - o Note that only Fields that appear on the first level will be available to accessing in keyed access requests.
- Within the main structure, there can be sub structures and/or arrays which will also contain fields.
- Try to keep Data Object Schemas as simple as possible for performance reasons.
- Note that fields in the Data Object Schema can be maintained as internal only and not exposed in ResponseBodies.

Internal Fields

Often the business logic requires internal fields for managing data. For example, if a specific Data Object is related to a specific Customer or Partner, a field may be added to contain that data to isolate that data for that Customer or Partner. This field may optionally be exposed in Digital Capabilities if required.

Unique Data Object Instances / Key Fields

In the majority of situations, it will be necessary to identify Data Object Instances based on Unique Data. For example, if an Account must have a unique Account Number, a specific account number can only exist once. This can be represented by one or more fields within the Data Object Schema.

These are identified by marking the field(s) as Unique in the Schema editor when editing the Data Object Schema. Please note the following:

1. Once this field or fields are marked, the system will ensure that no duplicate Data Object Instances may be added based on the field(s) marked.

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2. In order for the system to be able to create GET, PUT, PATCH and DELETE Digital Capabilities from a Data Object Schema, at least one Unique field is required in the schema.