# Support for query parameter as object:

We need to be able to support these complex query parameter structures.

## Query Parameter

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### Simple

| | |
|---|---|
| Equals | `q={"name": "Chicago Plaza"}` |
| Equals (and) | `q={"city": "Chicago", "postCode": "60018"}` |

### Logical

| | |
|---|---|
| Contains | `q={"name": {"_contains" : "Chicago"}}` |
| Starts with | `q={"city": {"_starts" : "Chicago"}}` |
| Equals | `q={"city": {"_equals" : "Chicago"}}` |
| Not Equals | `q={"city": {"_nequals" : "Chicago"}}` |
| In | `q={"name": {"_in" : ["Chicago"]}}` |
| Or | `q={"_or": [{"city": "Chicago"}, {"name": "Plaza"}]}` |
| And | `q={"_and": [{"city": "Chicago"}, {"postCode": "60018"}]}` |

### Conditional

| | |
|---|---|
| Greater than | `q={"longitude": {"_gt": 51.480773}}` |
| Greater than or Equals | `q={"longitude": {"_gte": 51.480773}}` |
| Less than | `q={"longitude": {"_lt": 51.480773}}` |
| Less than or Equals | `q={"longitude": {"_lte": 51.480773}}` |
| Between | `q={"longitude": {"_bt": [51.0, 53.0]}}` |

### Data Control Operator

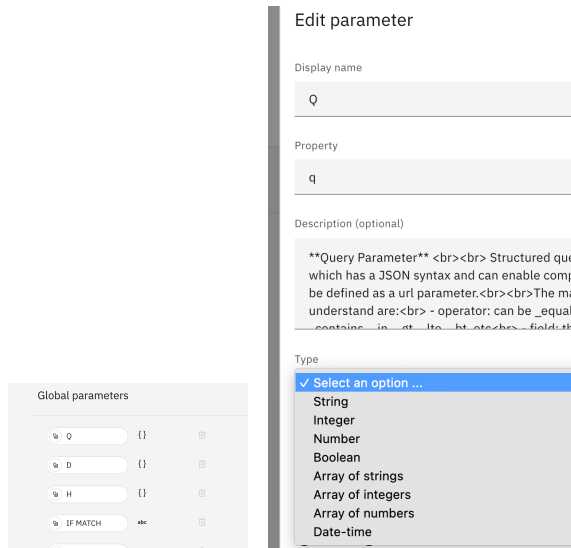| | |
|---|---|
| Sort | `h={"_sort": [{"postCode":"_asc"},{"city": "_desc"}]}` |
| No of Records | `h={"_max":10}` |
| Required Fields | `h={"_fields":["name", "city"]}` |
| Pagination | `h={"_page" :[{"_size":100},{"_offset":0}]}` |

### Media Operator

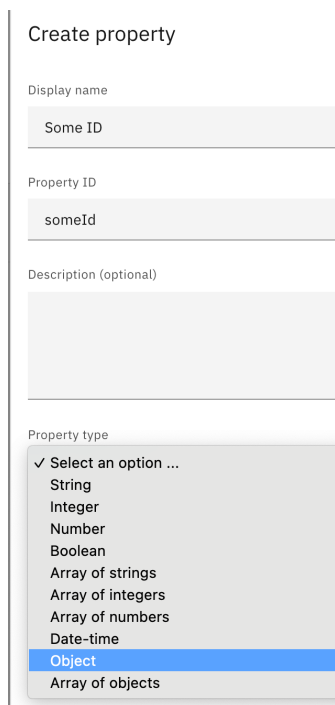| | |
|---|---|
| Download Media | `h={"_media": ["_documents", "_images"]}` |

### Child & Linked Data Operator

| | |
|---|---|
| Include Child Records | `h={"_children": ["floor"]}` |
| Include Linked Records | `h={"_linked": ["document", "comments", "images"]}` |
| Include All Child & Linked Records | `h={"_children": ["*"], "_linked": ["*"]}` |

The Global Parameter should support the option for select the type as an Object. (Similar to the support we have while selecting a property, see below.)

We can select Object and Array of objects while creating a Schema property. Similar capability required for the global parameters.



Swagger client can render the Global parameter of type "Object":