

# Strategy: DOCUMENTS\_BY\_FORMULA\_PAGED

Use this strategy to get documents from the database by specified formula.

Allowed method

- GET

Parameters:

- `databaseName(String databaseName)`: name of the database to read data from, use "server!/path/database.nsf" format; when omitted, current database is used
- `selectQuery(String query)`: selection formula to apply to the database; mandatory. This is exactly the same you would write as view selection formula in Notes.

```
router.GET('topics/cat1cat2') {
  strategy(DOCUMENTS_BY_FORMULA) {
    selectQuery('SELECT Form="\MainTopic\" & @Contains(Categories;"category1\":"category2\"')
  }
  mapJson 'id', json:'id', type:'STRING', isformula:true, formula:'@DocumentUniqueID'
  mapJson 'date_created', json:'date_created', type:'DATETIME', isformula:true, formula:'@Created'
  mapJson 'topic', json:'topic', type:'STRING'
  mapJson 'author', json:'author', type:'STRING', isformula:true, formula:'@Name([CN]; @Author)'
  mapJson 'categories', json:'categories', type:'ARRAY_OF_STRING'
}
```

URL parameters:

- `count`: number of records to return, default is 10
- `start`: position in the view to start from, default value is 1

With route defined above, URL `http://server.name/path-to/db.nsf/xsp/.xrest/topics/cat1cat2?count=5` will return all documents from database, that match the selection formula.

Returned JSON:

```
{
  "entries": [
    {
      "date_created": "2017-03-03T18:28+00:00",
      "author": "Martin Jinoch",
      "id": "54502859C07299C7C12580D8006404F4",
      "categories": [
        "category1"
      ]
    },
    {
      "date_created": "2017-03-11T13:11+00:00",
      "author": "Martin Jinoch",
      "id": "DCEFCAE41C0C9815C12580E0004BD296",
      "categories": [
        "category1",
        "category2"
      ]
    }
  ],
  "start": 1,
  "total": 2,
  "count": 2
}
```

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