Article

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 Open Exchange
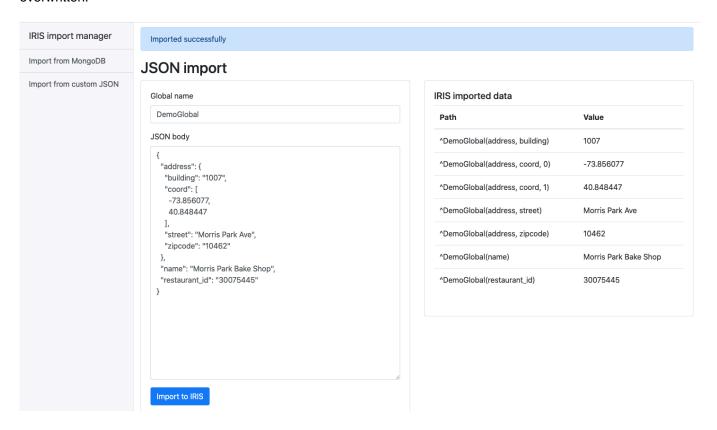
Easy data import into IRIS

Sometimes you need quickly and easily import data into IRIS. For this, an IRIS import manager has been developed.

This application allows you to import JSON data and also provides a really simple interface for transferring data from MongoDB collections to IRIS globals. It has never been so easy.
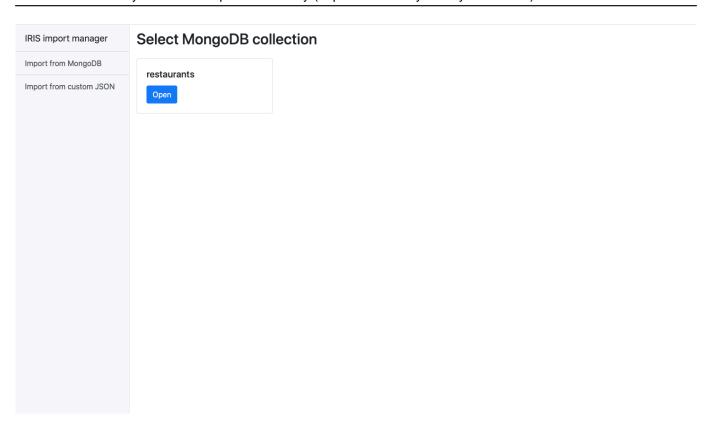
Let's look at examples.

Import JSON

Suppose we have data in JSON format and we want to import it into IRIS. To do this, you just need to specify the global name and insert the data. After import, you will see the imported data. If global exists data will be overwritten.

IRIS import manager	Imported successfully		
Import from MongoDB	**JSON import**		
Import from custom JSON			

JSON import

Global name

`DemoGlobal`

JSON body

```
{
    "address": {
        "building": "1007",
        "coord": [
            -73.856077,
            40.848447
        ],
        "street": "Morris Park Ave",
        "zipcode": "10462"
    },
    "name": "Morris Park Bake Shop",
    "restaurant_id": "30075445"
}
```

IRIS imported data

Path	Value
^DemoGlobal(address, building)	1007
^DemoGlobal(address, coord, 0)	-73.856077
^DemoGlobal(address, coord, 1)	40.848447
^DemoGlobal(address, street)	Morris Park Ave
^DemoGlobal(address, zipcode)	10462
^DemoGlobal(name)	Morris Park Bake Shop
^DemoGlobal(restaurant_id)	30075445

Import to IRIS

Import MongoDB collections

There is a collection navigation on the main page.

IRIS import manager

Import from MongoDB

Import from custom JSON

Select MongoDB collection

restaurants

Open

Just open the collection and you will see information about it and import control buttons that allow you to transfer data to IRIS or clear it.

After import, you will also see the imported data.

IRIS import manager

Import from MongoDB

Import from custom JSON

Collection: restaurants

Move data to IRIS   Remove data from IRIS

Number of documents in MongoDB collection: 1500

Example document from the MongoDB collection:

```
{
  "_id": "5ed8a3f0dbd4c999d6d27b8e",
  "address": {
    "building": "1007",
    "coord": [
      -73.856077,
      40.848447
    ],
    "street": "Morris Park Ave",
    "zipcode": "10462"
  },
  "borough": "Bronx",
  "cuisine": "Bakery",
  "grades": [
    {
      "date": "2014-03-03T00:00:00",
      "grade": "A",
      "score": 2
    },
    {
      "date": "2013-09-11T00:00:00",
      "grade": "A",
      "score": 6
    },
    {
      "date": "2013-01-24T00:00:00",
      "grade": "A",
```

Number of root nodes in IRIS global: 1500

Imported example document in IRIS:

Path	Value
^restaurants(0, _id)	5ed8a3f0dbd4c999d6d27b8e
^restaurants(0, address, building)	1007
^restaurants(0, address, coord, 0)	-73.856077
^restaurants(0, address, coord, 1)	40.848447
^restaurants(0, address, street)	Morris Park Ave
^restaurants(0, address, zipcode)	10462
^restaurants(0, borough)	Bronx
^restaurants(0, cuisine)	Bakery
^restaurants(0, grades, 0, date)	2014-03-03T00:00:00
^restaurants(0, grades, 0, grade)	A
^restaurants(0, grades, 0, score)	2

What other imports would you like to have in this application? Any ideas are very welcome.

#Databases #Data Import and Export #JSON #Python #Tools #InterSystems IRIS #Open Exchange
Check the related application on InterSystems Open Exchange

Source URL:https://community.intersystems.com/post/easy-data-import-iris

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