
Article

[Robert Cemper](#) · Sep 17, 2020 4m read

Native API for ObjectScript Demo

The demo is based on the raw class descriptions.

The data classes used are Address, Person, Employee, Company

For a more attractive demo, a JSONtoString method by ID was added.

After installation with ZPM just run from Terminal

```
USER>do ##class(rcc.ONAPI.demo).Run()  
Adjust Parameters  
host[127.0.0.1]:  
port[51773]:  
namespace[USER]:  
user[_SYSTEM]:  
pwd[SYS]:  
timeout[5]:  
***** connected *****
```

Next, you get a list of possible demo actions.

No input means no action.

The menu loops until you exit.

```
Populate Person by:100
```

```
100
```

```
Populate Company by:10
```

```
10
```

```
Populate Employee by:50
```

```
50
```

```
Show Person by ID:3
```

```
{ "Name": "Rogers, Norbert V.", "SSN": "990-11-9806", "DOB": "1962-04-23", "Home": { "Street": "867 Oak Street", "City": "Denver", "State": "NH", "Zip": "64647" }, "Office": { "Street": "3309 Oak Court", "City": "Denver", "State": "NY", "Zip": "76436" }, "FavoriteColors": [ "Green", "Green" ], "Age": 58 }
```

```
Show Company by ID:3
```

```
{ "Name": "CompuComp Corp.", "Mission": "Specializing in the development and manufacturing of open-source object-oriented models for additive manufacturing.", "TaxID": "Y8155", "Revenue": 819493934, "Employees": [ { "Name": "Ahmed, Sophia P.", "SSN": "936-73-5161", "DOB": "1933-08-08", "Home": { "Street": "8758 Elm Street", "City": "Fargo", "State": "OH", "Zip": "40652" }, "Office": { "Street": "1578 Maple Street", "City": "Larchmont", "State": "IA", "Zip": "89021" }, "Spouse": { "Name": "Olsen, William A.", "SSN": "912-52-4809", "DOB": "2010-01-26", "Home": { "Street": "2933 Main Street", "City": "Bensonhurst", "State": "WA", "Zip": "51960" }, "Office": { "Street": "4994 Ash Street", "City": "Gansevoort", "State": "OR", "Zip": "89750" }, "Spouse": { "Name": "Adam, Brian D.", "SSN": "799-82-3083", "DOB": "2005-11-04", "Home": { "Street": "1264 Oak Avenue", "City": "Chicago", "State": "WV", "Zip": "34943" }, "Office": { "Street": "7443 Second Avenue", "City": "Zanesville", "State": "CO", "Zip": "30478" }, "Spouse": { "Name": "Cooke, Diane C.", "SSN": "754-49-5729", "DOB": "1984-01-12", "Home": { "Street": "9624 Maple Place", "City": "Albany", "State": "MS", "Zip": "60948" }, "Office": { "Street": "4711 Secon
```

```
d Place", "City": "Youngstown", "State": "VA", "Zip": "31250"}, "Age": 36}, "FavoriteColors": [
"Orange"], "Age": 14}, "FavoriteColors": ["Green", "Green"], "Age": 10, "Title": "Senior Systems Engineer", "Salary": 61511}, "Age": 87, "Title": "Product Manager", "Salary": 59127}, {"Name": "Ng, Elmo S.", "SSN": "201-15-3259", "DOB": "1954-10-14", "Home": {"Street": "2437 Main Avenue", "City": "Xavier", "State": "KY", "Zip": "10156"}, "Office": {"Street": "2770 Oak Drive", "City": "Tampa", "State": "OH", "Zip": "18459"}, "Spouse": {"Name": "Eastman, Linda M.", "SSN": "110-41-1818", "DOB": "1980-03-19", "Home": {"Street": "5309 Ash Drive", "City": "Xavier", "State": "RI", "Zip": "36964"}, "Office": {"Street": "4288 Washington Place", "City": "Xavier", "State": "HI", "Zip": "41889"}, "Spouse": {"Name": "Huff, Dave C.", "SSN": "559-32-3838", "DOB": "1973-05-05", "Home": {"Street": "6216 First Avenue", "City": "Tampa", "State": "WA", "Zip": "68628"}, "Office": {"Street": "2896 Clinton Drive", "City": "Elmhurst", "State": "UT", "Zip": "97796"}, "FavoriteColors": ["Purple"], "Age": 47}, "FavoriteColors": ["Purple", "Blue"], "Age": 40}, "FavoriteColors": ["Red", "Purple"], "Age": 65, "Title": "Laboratory Marketing Manager", "Salary": 35888}]}
```

Show Employee by ID:103

```
{ "Name": "Faust, Buzz H.", "SSN": "979-41-6347", "DOB": "1938-02-07", "Home": {"Street": "6231 Madison Avenue", "City": "Gansevoort", "State": "TX", "Zip": "49085"}, "Office": {"Street": "6402 Main Street", "City": "Elmhurst", "State": "RI", "Zip": "82976"}, "Spouse": {"Name": "Joyce, Chad C.", "SSN": "199-86-8085", "DOB": "1974-11-17", "Home": {"Street": "6229 Main Street", "City": "Reston", "State": "FL", "Zip": "16922"}, "Office": {"Street": "8509 Elm Blvd", "City": "Bensonhurst", "State": "HI", "Zip": "90665"}, "Spouse": {"Name": "Cooke, Diane C.", "SSN": "754-49-5729", "DOB": "1984-01-12", "Home": {"Street": "9624 Maple Place", "City": "Albany", "State": "MS", "Zip": "60948"}, "Office": {"Street": "4711 Second Place", "City": "Youngstown", "State": "VA", "Zip": "31250"}, "Age": 36}, "FavoriteColors": ["Purple"], "Age": 45}, "Age": 82, "Title": "Global Administrator", "Salary": 13813}
```

Show Global PersonD by ID:4

```
$Data()=1
Value=$lb("", "Eastman, Mary C.", "887-18-3730", 44711, $lb("3889 Ash Blvd", "Washington", "TX", 67862), $lb("5709 Oak Blvd", "Chicago", "IL", 30845), "", "")
```

Index list for Person & Employee (n,y):y

```
$Employee
$Person
NameIDX
SSNKey
ZipCode
```

Exit Demo (n,y,*):

Populate Person by:

Populate Company by:

Populate Employee by:

Show Person by ID:

Show Company by ID:

Show Employee by ID:104

```
{ "Name": "Novello, Emily I.", "SSN": "411-35-4234", "DOB": "1943-01-07", "Home": {"Street": "3353 Washington Court", "City": "Hialeah", "State": "MT", "Zip": "22403"}, "Office": {"Street": "9743 Clinton Blvd", "City": "Xavier", "State": "OH", "Zip": "89038"}, "Spouse": {"Name": "Goldman, Usha T.", "SSN": "465-59-4053", "DOB": "1987-07-16", "Home": {"Street": "2578 Second Blvd", "City": "Gansevoort", "State": "FL", "Zip": "77552"}, "Office": {"Street": "6986 Main Street", "City": "Elmhurst", "State": "VT", "Zip": "48713"}, "Spouse": {"Name": "Rogers, Norbert V.", "SSN": "990-11-9806", "DOB": "1962-04-23", "Home": {"Street": "867 Oak Street", "City": "Denver", "State": "NH", "Zip": "64647"}, "Office": {"Street": "3309 Oak Court", "City": "Denver", "State": "NY", "Zip": "76436"}, "FavoriteColors": ["Green", "Green"], "Age": 58}, "Age": 33}, "FavoriteColors": ["Green", "White"], "Age": 77, "Title": "Senior Product Specialist", "Salary": 96469}
```

Show Global PersonD by ID:

Index list for Person & Employee (n,y):

```
Exit Demo (n,y,*):y  
***** done *****
```

USER>

[GitHub](#)

[#API #ObjectScript #InterSystems IRIS](#)

Source URL: <https://community.intersystems.com/post/native-api-objectsript-demo>