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.
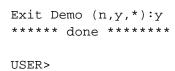No input means no action.
The menu loops until you exit.

```
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":{"Stre
et":"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 manufac
turing of open-source object-oriented models for additive manufacturing.","TaxID":"Y8
155","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","Zi
p":"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":{"St
reet":"1264 Oak Avenue","City":"Chicago","State":"WV","Zip":"34943"},"Office":{"Stree
t":"7443 Second Avenue","City":"Zanesville","State":"CO","Zip":"30478"},"Spouse":{"Na
me":"Cooke,Diane C.","SSN":"754-49-5729","DOB":"1984-01-12","Home":{"Street":"9624 Ma
ple 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 Syste
ms Engineer","Salary":61511},"Age":87,"Title":"Product Manager","Salary":59127},{"Nam
e":"Ng,Elmo S.","SSN":"201-15-3259","DOB":"1954-10-14","Home":{"Street":"2437 Main Av
enue","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 Man
ager","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":{"Stre
et":"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 S
treet","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":"Alb
any","State":"MS","Zip":"60948"},"Office":{"Street":"4711 Second Place","City":"Young
stown","State":"VA","Zip":"31250"},"Age":36},"FavoriteColors":["Purple"],"Age":45},"A
ge":82,"Title":"Global Administrator","Salary":13813}

Show Global PersonD by ID:4
    $Data()=1
    Value=$lb("","Eastman,Mary C.","887-18-3730",44711,$lb("3889 Ash Blvd","Washingt
on","TX",67862),$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":{"Stree
t":"3353 Washington Court","City":"Hialeah","State":"MT","Zip":"22403"},"Office":{"St
reet":"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 Sec
ond Blvd","City":"Gansevoort","State":"FL","Zip":"77552"},"Office":{"Street":"6986 Ma
in Street","City":"Elmhurst","State":"VT","Zip":"48713"},"Spouse":{"Name":"Rogers,Nor
bert V.","SSN":"990-11-9806","DOB":"1962-04-23","Home":{"Street":"867 Oak Street","Ci
ty":"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-objectscript-demo

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

USER>
```