

Announcement

[Dmitry Maslennikov](#) · Jan 14, 2019

[Open Exchange](#)

VSCode extension for InterSystems ObjectScript update

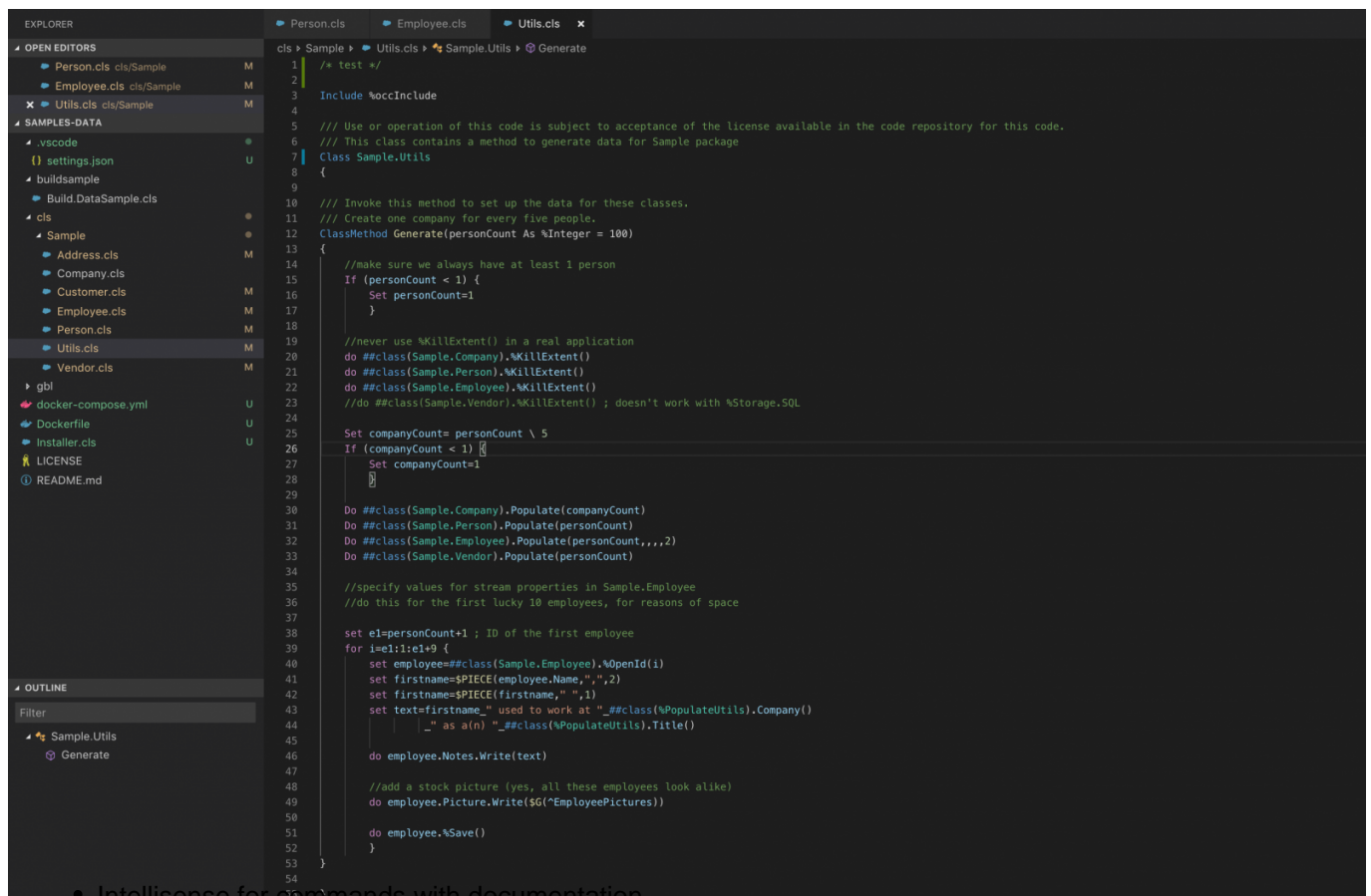
I'm pleased to announce the latest version of the renewed [for ObjectScript](#), which is now available with a lot of new features.

This [new extension](#) is a fork of previously developed extension in different repository originally started by [@Oleg Dmitrovich](#).

You can find a new repository [here](#).

So, what's new:

- Better syntax highlighting which supports classes and routines.



- Intellisense for commands with documentation.

1

- Intellisense for system functions and variables, also with some documentation

1

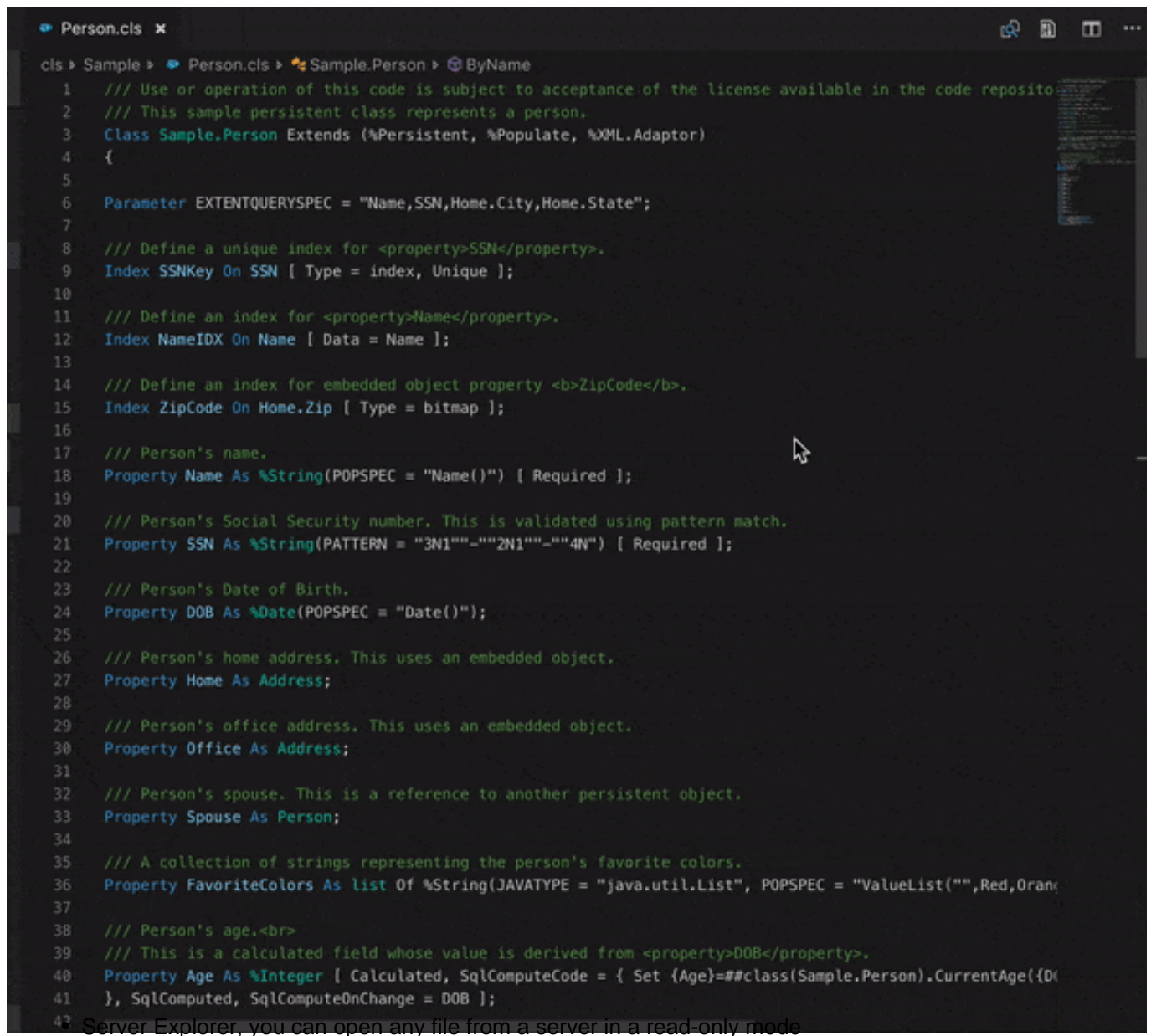
write

- Hover documentation with the link to online documentation, for system functions, variables and commands

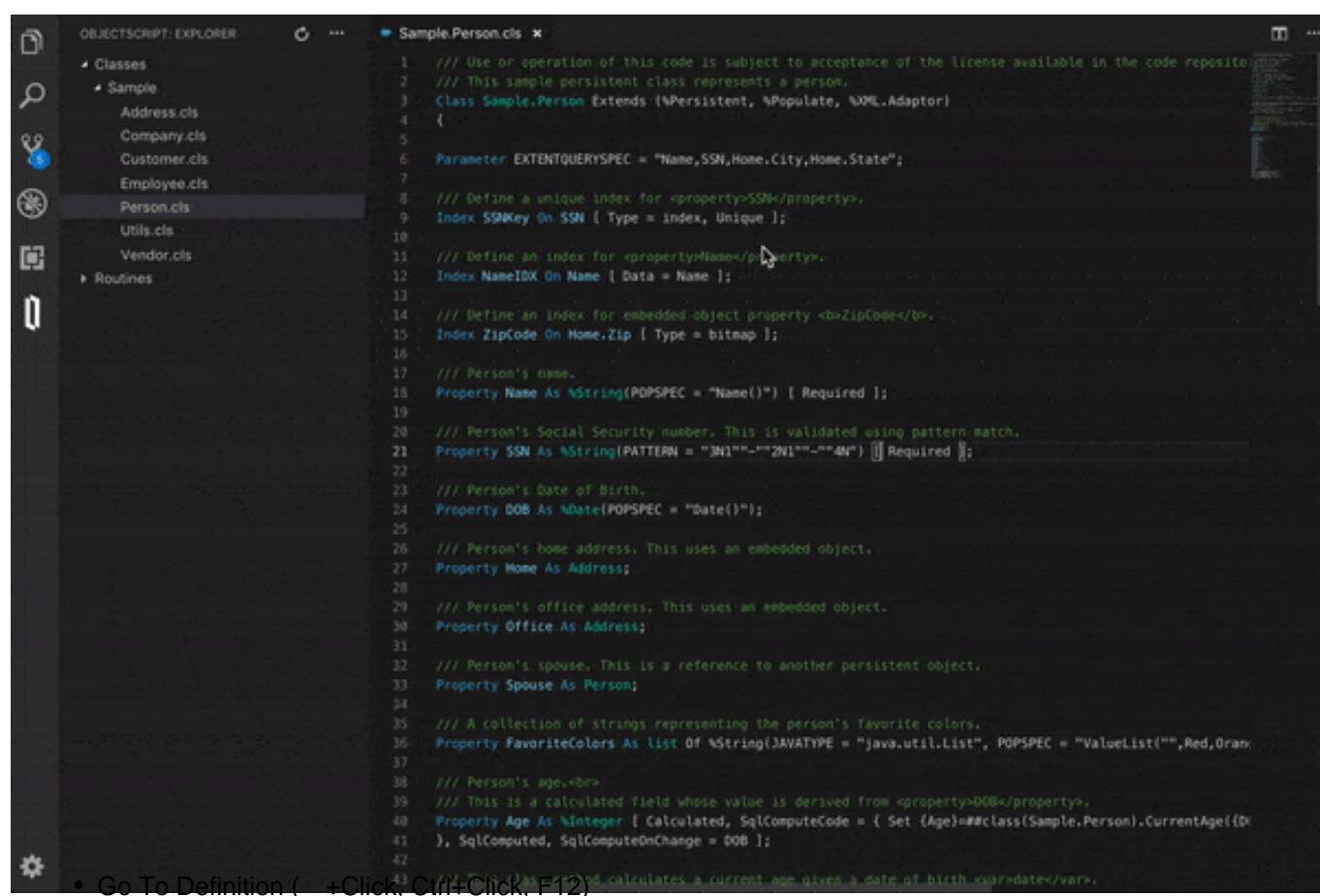
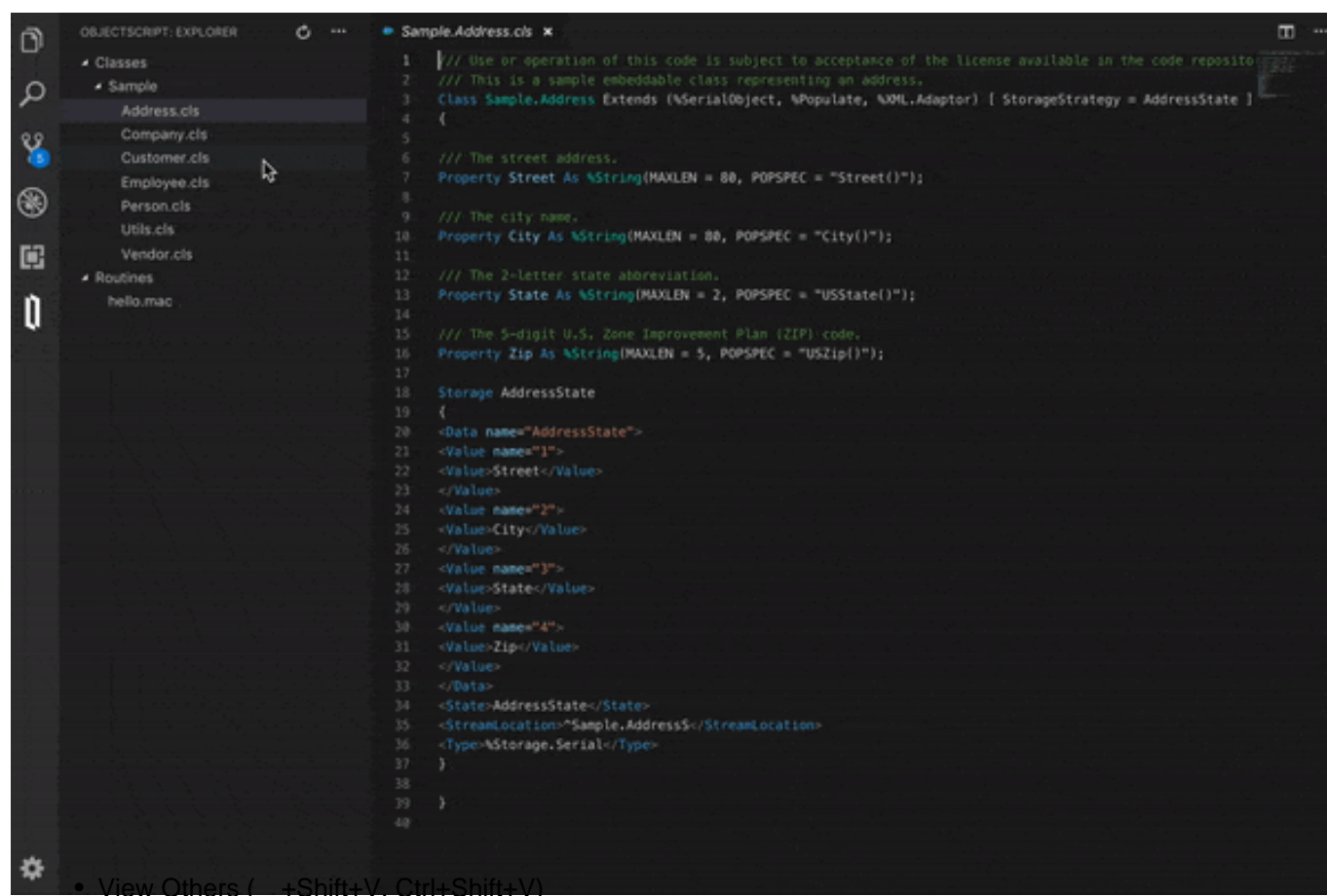
```
33 Property Spouse As Person;
34
35 /// A collection of strings representing the person's favorite colors.
36 Property FavoriteColors As list Of %String(JAVATYPE = "java.util.List", POPSPEC = "ValueList
37
38 /// Person's age.<br>
39 /// This is a calculated field whose value is derived from <property>DOB</property>.
40 Property Age As %Integer [ Calculated, SqlComputeCode = { Set {Age}=##class(Sample.Person).C
41 }, SqlComputed, SqlComputeOnChange = DOB ];
42
43 /// This class method calculates a current age given a date of birth <var>date</var>.
44 /// This method is used by the Age calculated field.
45 ClassMethod CurrentAge(date As %Date = "") As %Integer [ CodeMode = expression ]
46 {
47 $Select(date=""':""',1:($ZD($H,8)-$ZD(date,8)\10000))
48 }
49
50 /// A sample class query that defines a result set that returns Person data
```

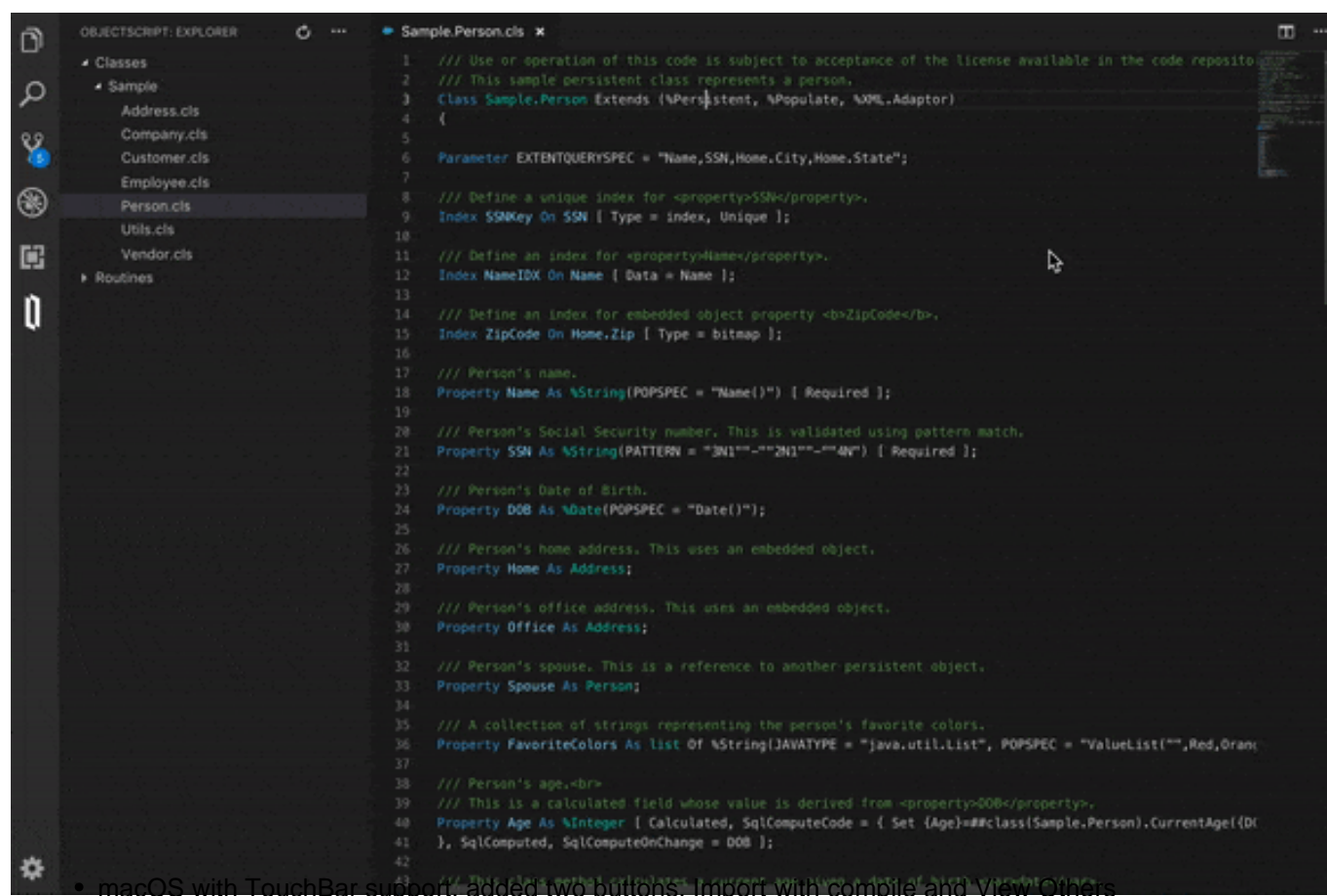
```
17
18  /// The company this employee works for.
19  Relationship Company As Company [ Cardinality = one, Inverse = Employees ];
20
21  /// Writes a .png file containing the picture, if any, of this employee
22  /// the purpose of this method is to prove that Picture really contains an image
23  Method WritePicture()
24  {
25    if (..Picture="") {quit}
26    set name=$TR(..Name,".") ; strip off trailing period
27    set name=$TR(name,",", "_") ; replace commas and spaces
28    set filename=name_".png"
29
30    set file=##class(%Stream.FileBinary).%New()
31    set file.Filename=filename
32    do file.CopyFrom(..Picture)
33    do file.%Save()
34    write !, "Generated file: "_filename
35  }
36
37  Storage Default
38  {
39    <Data name="EmployeeDefaultData">
40    <Subscript>"Employee"</Subscript>
41    <Value name="1">
```

Go to symbol (⇧+O, ⌘+⇧+O) supports classes for all class members and routines for labels. You can also use Outline view to navigate by code



```
cls > Sample > Person.cls > Sample.Person > ByName
1  /// Use or operation of this code is subject to acceptance of the license available in the code repository
2  /// This sample persistent class represents a person.
3  Class Sample.Person Extends (%Persistent, %Populate, %XML.Adaptor)
4  {
5
6  Parameter EXTENTQUERYSPEC = "Name,SSN,Home.City,Home.State";
7
8  /// Define a unique index for <property>SSN</property>.
9  Index SSNKey On SSN [ Type = index, Unique ];
10
11  /// Define an index for <property>Name</property>.
12  Index NameIDX On Name [ Data = Name ];
13
14  /// Define an index for embedded object property <b>ZipCode</b>.
15  Index ZipCode On Home.Zip [ Type = bitmap ];
16
17  /// Person's name.
18  Property Name As %String(POPSPEC = "Name()") [ Required ];
19
20  /// Person's Social Security number. This is validated using pattern match.
21  Property SSN As %String(PATTERN = "3N1""-""2N1""-""4N") [ Required ];
22
23  /// Person's Date of Birth.
24  Property DOB As %Date(POPSPEC = "Date()");
25
26  /// Person's home address. This uses an embedded object.
27  Property Home As Address;
28
29  /// Person's office address. This uses an embedded object.
30  Property Office As Address;
31
32  /// Person's spouse. This is a reference to another persistent object.
33  Property Spouse As Person;
34
35  /// A collection of strings representing the person's favorite colors.
36  Property FavoriteColors As list Of %String(JAVATYPE = "java.util.List", POPSPEC = "ValueList("",Red,Orange,Green,Blue,Purple)");
37
38  /// Person's age.<br>
39  /// This is a calculated field whose value is derived from <property>DOB</property>.
40  Property Age As %Integer [ Calculated, SqlComputeCode = { Set {Age}=##class(Sample.Person).CurrentAge({DOB}); SqlComputed, SqlComputeOnChange = DOB ];
41
42  Server Explorer, you can open any file from a server in a read-only mode
```



• macOS with TouchBar support, added two buttons, Import with compile and View Others

Feel free to fill any issues or enhancement requests [here](#) or on GitHub, you can also send pull-requests. Be aware, this is an open-source project and developed for free.

I'm going to improve this extension, I have many ideas what to do next, but as fast as I will have time for it. But if you would like to support, you are very welcome.

I hope you will find this extension very useful and would like to hear any of your feedback.

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[Check the related application on InterSystems Open Exchange](#)

Source URL: <https://community.intersystems.com/post/vscode-extension-intersystems-objectscript-update>