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 <u>new extension</u> is a fork of previously developed extension in different repository originally started by <u>@Oleg</u> <u>Dmitrovich</u>.

You can find a new repository here.

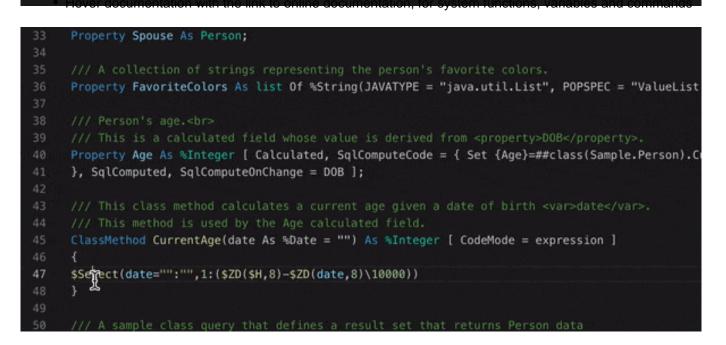
So, what's new:

• Better syntax highlighting which supports classes and routines.

EXPLORER	Person.cls     Employee.cls     Utils.cls     x
▲ OPEN EDITORS	cis > Sample > ● Utils.cis > ♣ Sample.Utils > ֎ Generate
Person.cls cls/Sample	
Employee.cls cls/Sample	M 3 Include %occInctude
🗙 🗢 Utils.cls cls/Sample	M 3 Include %occinclude
▲ SAMPLES-DATA	
✓ .vscode	
() settings.json	
▲ buildsample	
Build.DataSample.cls	
⊿ cls	11 // Create one company for every file people.
<ul> <li>Sample</li> </ul>	12 ClassMethod Generate(personCount As %Integer = 100)
Address.cls	
Company.cls	
Customer.cls	15 If (personCount = 1) { 16 Set personCount=1
	17 J
Person.cls	
	2 do ##class(Sample.Company).4%IlExtent() M 21 do ##class(Sample.Company).4%IlExtent()
▶ gbl	<sup>M0</sup> 21 do ##class(Sample.Repron).WKillExtent() 22 do ##class(Sample.Reprove).WKIlExtent()
<ul> <li>docker-compose.yml</li> </ul>	U 23 //do #fclass(Sample:Lendor). #killExtent() ; doesn't work with %Storage.SQL
✤ Dockerfile	
<ul> <li>Installer.cls</li> </ul>	25 Set companyCount > 5
1 LICENSE	26         If (companyCount < 1) [6]           27         Set companyCount
README.md	2/ Set company.count=1
( README.ING	
	30 Do ##class(Sample.Company).Populate(companyCount)
	31 Do ##class(Sample.Person).Populate(personCount)
	32 Do ##class(Sample.employee).Populate(personCount),,,22 33 Do ##class(Sample.employ.Populate(personCount)
	34
	38 set el=personCount+1 ; ID of the first employee 39 for i=el::ic:1=9 {
	40 set employee=##class(Sample.Employee).40penId(i)
▲ OUTLINE	41 set firstname=\$PIECE(employee.Name,",",2)
A OUTLINE	42 set firstname=\$PIECE(firstname," ",1)
Filter	43     set text=firstname_" used to work at "_#rclass(%PopulateUtils).Company()       44     " as a(n) #rclass(%PopulateUtils).Title()
🖌 🏘 Sample.Utils	
Generate	do employee.Notes.Write(text)
	49 do employee.Picture.Write(\$G(^EmployeePictures)) 50 50 50 50 50 50 50 50 50 50 50 50 50 5
	50 do employee.*Save()
a hatalla an an	54
Intellisense i	for commands with documentation.

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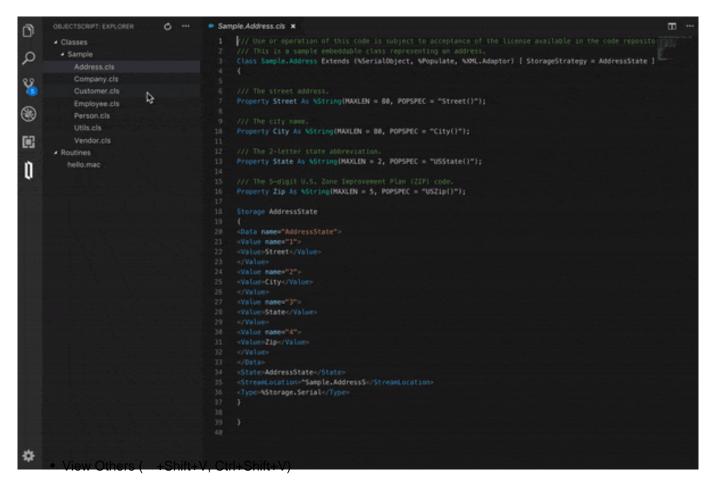
1 write



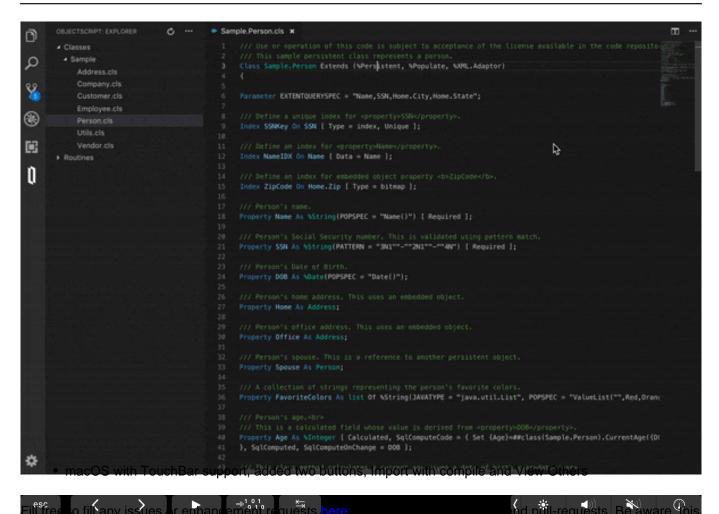
17	
18	/// The company this employee works for.
19	Relationship Company As Company [ Cardinality = one, Inverse = Employees ];
20	
21	/// Writes a .png file containing the picture, if any, of this employee
22	/// the purpose of this method is to prove that Picture really contains an image
23	Method WritePicture()
24	그 선물 수 없는 것 같아요. 이렇게 물건을 하는 것 같아요. 아들은 것이 가지 않는 것이 같은 것이 없는 것이 없는 것이 없는 것이 없다. 것이 같아요. 아들은 것이 없는 것이 없 않는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 않는 것이 없는 것이 없 않는 것이 없는 것이 없는 것이 없는 것이 않는 것이 않는 것이 않는 것이 않는 것이 없는 것이 않는 것이 않는 것이 없는 것이 않는 것이 않는 것이 없는 것이 없는 것이 않는 것이 없는 것이 않는 것이 않는 것이 않는 것이 없는 것이 없는 것이 않는 것이 않 않는 것이 않이 않이 않는 않 않이 않 않이
25	if (Picture="") {quit}
26	so name=\$TR(Name,".") ; strip off trailing period
27	<pre>set name=\$TR(name,", ","") ; replace commas and spaces</pre>
28	<pre>set filename=name_".png"</pre>
29	
30	<pre>set file=##class(%Stream.FileBinary).%New()</pre>
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"></data>
40	<subscript>"Employee"</subscript>
41	Good SymBer ("1" Shift+O, Ctrl+Shift+O) supports classes for all class members and routines for labe

can also you Outline view to navigate by code

. Pe	erson.cls ×	ð	۵	Ξ	••••
cls≯	Sample > 👁 Person.cls > 🔩 Sample.Person > 🛱 ByName				
		osi	to 🗐		
	/// This sample persistent class represents a person.				
	Class Sample.Person Extends (%Persistent, %Populate, %DML.Adaptor)				
	요 🕻 바람에 집중하는 것은 것은 것은 것은 것은 것을 가지 않는 것을 가지 않는 것이 같은 것은 것은 것을 하는 것이 같은 것을 하는 것이 같은 것이 없는 것이 없다.				
	Parameter EXTENTQUERYSPEC = "Name, SSN, Home.City, Home.State";				
	111 Baline a unique inter fac regeneratur COM-Ingeneratur				
	<pre>/// Define a unique index for <property>SSN</property>. Index SSNKey On SSN [ Type = index, Unique ];</pre>				
10	index sourcey on som ( type = index, onlidee ),				
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	<pre>Index ZipCode On Home.Zip [ Type = bitmap ];</pre>				
	승규는 그는 것 같은 것 같아요. 것 같은 것 같은 것 같은 것 같이 다 귀엽다. 것 같은 것 같				
. 17	/// Person's name.				
18	Property Name As %String(POPSPEC = "Name()") [ Required ];				
19					
	/// Person's Social Security number. This is validated using pattern match.				
21	Property SSN As %String(PATTERN = "3N1""-""2N1""-""4N") [ Required ];				
22	(1) Demonster Diese of Diese				
23 24	<pre>/// Person's Date of Birth. Property DOB As %Date(POPSPEC = "Date()");</pre>				
25	Property DOD AS ADJACEPOPSPEC = Date() /;				
26	/// Person's home address. This uses an embedded object.				
27	Property Home As Address:				
	/// Person's office address. This uses an embedded object.				
	Property Office As Address;				
31					
32	/// Person's spouse. This is a reference to another persistent object.				
33	Property Spouse As Person;				
34					
35	<pre>/// A collection of strings representing the person's favorite colors.</pre>				
	Property FavoriteColors As list Of %String(JAVATYPE = "java.util.List", POPSPEC = "ValueList("",Red	,Ora	anc i		
37	Alt Descente as the				
38 39	<pre>/// Person's age. /// This is a calculated field whose value is derived from <property>DOB</property>.</pre>				
39 40		nel.	(inc		
40	<pre>}, SqlComputed, SqlComputeOnChange = DOB ];</pre>	ae c	Lo.		
	Server Explorer, you can open any file from a server in a read-only mode				



🔿 … 😐 Sample.Person.cls 🗙 ð Classes ρ Class Sample.Person Extends (%Persistent, %Populate, %D%L.Adaptor) ¥ Parameter EXTENTQUERYSPEC = "Name,SSN,Home.City,Home.State"; Customer.cls /// Define a unique index for sproperty-SSNs/p Index SSNKey On SSN [ Type = index, Unique ]; ۲ /// Define an index for spropertypNames. Index NameIDX On Name [ Data = Name ]; ¢ ek/property>. Routines Ũ /// Define an index for embedded object prop Index ZipCode On Home.Zip [ Type = bitmap ]; /// Person's Social Security number. This is validated using pattern match. Property SSN As Astring(PATTERN = "3N1""-""4N") [] Required []; /// Person's Date of Birth.
Property DOB As NDate(POPSPEC = "Date()"); /// A collection of strings representing the person's favorite colors.
Property FavoriteColors As list Of AString(JAVATYPE = "java.util.List", POPSPEC = "ValueList("",Red,Oran /// Total a equation field whose value is derived from sproperty>DOB</property>
Property Age As Minteger [ Calculated, SqlComputeCode = { Set {Age}=##class(Sample.Person).CurrentAge({DC}) }, SqlComputed, SqlComputeOnChange = DOB ]; ø Click\*F12)\* calculates a curri



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.

<u>#CaretDev</u> <u>#Development Environment</u> <u>#ObjectScript</u> <u>#VSCode</u> <u>#Open Exchange</u> <u>Check the related application on InterSystems Open Exchange</u>

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