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Day 1: Developing with InterSystems Objects and SQL

I'm participating in the Developing with InterSystems Objects and SQL with Joel Solon. The course is very nice and I will share with you some tips I got during the training. Tips presented in the day 1:

1. InterSystems IRIS unifies: InterSystems IRIS Database (Caché), IRIS Interoperability (Ensemble), IRIS Business Intelligence (DeepSee) and IRIS Text Analytics (iKnow).
2. IRIS is multimodel: object, relational, document and multidimensional.
3. Interoperable: native access from Java, .NET, other languages, like ObjectScript; ODBC and JDBC data access, SOAP/REST service access; message driven with data routing, transformations and workflows; SOA architecture with ESB.
4. IRIS is Transactions and analytics together.
5. IRIS scales Horizontal with ECP (distributed cache for user volume) and Sharding for data volume.
6. Deploy in public or private containers with Cloud Manager.
7. 3 IDE options to develop: VSCode (most popular), Studio (windows only), Atelier (deprecated).
8. Terminal tool for CLI commands.
9. Management Portal to browser commands.
10. IRIS is multiplatform (UNIX, Linux, Windows) with docker option to Linux.
11. It has year releases 20##.1 (EM - Extended Maintenance) and Quarterly releases (CD - continuous delivery).
12. IRIS is case sensitive and case camel notation is a good practice.
13. Classes are a containers to methods and properties.
14. Methods performs specific tasks and is not allowed method overload (two methods with same name in a class).
15. There are 2 types of methods: ClassMethod (action not associated with object instance) and Method (action associated with object instance).
16. Use ##class() to run class methods and create an instance (with %New or %OpenId) to execute Methods.
17. The default type to method arguments is %String.
18. The notation ... indicates variable arguments. Example: Method Sample(a As %String, b... as %String) as %Status.
19. When you pass arguments as method caller:
    1. If you use . you pass as reference;
    2. The arguments are optional, and you can use $data() to test with the caller passed the argument
20. string is the default type to variables.
21. ObjectScript supports dynamic types.
22. In ObjectScript 0 is for false and other values is true.
23. Packages allows you organize classes into folders.
24. If you use import in a class or method you don't need reference the qualified name to a class.
25. Persistent classes (stored in the disk) extends %Persistent.
26. Persistent classes have properties to persist class attributes/values.
27. Each persistent class has an unique ID number immutable.

PS 1: I redeemed this 5 day course (if you pay $2800) with 40,000 points (https://globalmasters.intersystems.com/rewards/34/rewardredemptions/new)

PS 2: Joel Solon is an excellent instructor (great tips to iris certification)

PS 3: the course material is excellent and the course resources, tools and support are fantastic.

Tomorrow I will post day 2 resume.

#Object Data Model #InterSystems IRIS

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