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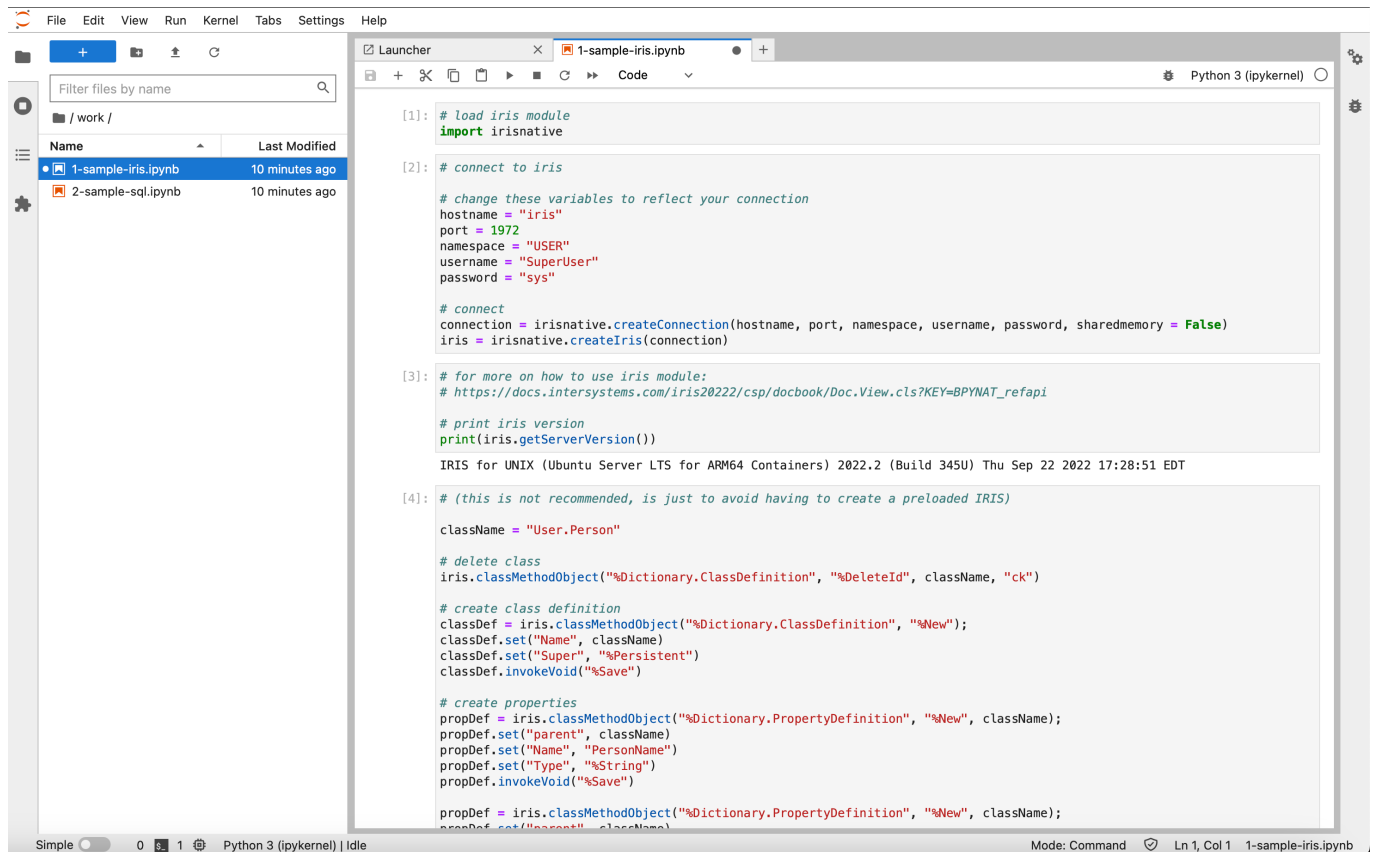
Jupyter and IRIS - The Simple Version

There are several great articles in the community showing how to use Jupyter and InterSystems IRIS together, and I encourage you to check them out in the link at the end of this article for more in depth understanding.

This is just another one, the difference is on the simplicity. Do you want to just start a container where Jupyter is already connected to an IRIS instance? Then this is for you!

By simply running docker-compose up you already will gain access to a working environment with a couple of examples in it.

I don't want to ruin the simplicity so give it a try.



```
[1]: # load iris module
import irisnative

[2]: # connect to iris

# change these variables to reflect your connection
hostname = "iris"
port = 1972
namespace = "USER"
username = "SuperUser"
password = "sys"

# connect
connection = irisnative.createConnection(hostname, port, namespace, username, password, sharedmemory = False)
iris = irisnative.createIris(connection)

[3]: # for more on how to use iris module:
# https://docs.intersystems.com/iris2022/csp/docbook/Doc.View.cls?KEY=BPYNAT_refapi

# print iris version
print(iris.getServerVersion())

IRIS for UNIX (Ubuntu Server LTS for ARM64 Containers) 2022.2 (Build 345U) Thu Sep 22 2022 17:28:51 EDT

[4]: # (this is not recommended, is just to avoid having to create a preloaded IRIS)

className = "User.Person"

# delete class
iris.classMethodObject("%Dictionary.ClassDefinition", "%DeleteId", className, "ck")

# create class definition
classDef = iris.classMethodObject("%Dictionary.ClassDefinition", "%New");
classDef.set("Name", className)
classDef.set("Super", "%Persistent")
classDef.invokeVoid("%Save")

# create properties
propDef = iris.classMethodObject("%Dictionary.PropertyDefinition", "%New", className);
propDef.set("parent", className)
propDef.set("Name", "PersonName")
propDef.set("Type", "%String")
propDef.invokeVoid("%Save")

propDef = iris.classMethodObject("%Dictionary.PropertyDefinition", "%New", className);
propDef.set("parent", className)
```

More articles:

[Jupyter+IRIS Articles](#)

[#Python #InterSystems IRIS](#)

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

Source URL: <https://community.intersystems.com/post/jupyter-and-iris-simple-version>