Article

IRIS NativeAPI for Node.js compact

An all-in-1 package of the WebSocket MicroService Demo

To simplify the demo of the WebSocket-Micro-Server (WSockClientMicroSV)
the whole package is now bundled into a single Docker Image

How to use it

From the same terminal start the IRIS based client and prepare your orders

```
docker-compose exec iris iris session iris %ZSocket
```

on WebTerminal it is simply

```
USER>do ^%ZSocket
```

Open a new terminal on the download directory and start the node based service

```
docker-compose exec iris node /opt/irisbuild/WsockIris.js
```

or open a new WebTerminal to start the client

```
USER>write $ZF(-1,"cd /opt/irisbuild  &&  node WsockIris.js")
```

The sequence of these commands is important! Now it connects to IRIS and executes its orders

Result 1

When you start the service (in a -it session as suggested) you see:

```
*****************************
    Connect to IRIS on: 192.168.0.23
Successfully connected to InterSystems IRIS.
    *** wait 3sec for request ***
    ******* Startup done ********

    *** wait 3sec for request ***
    *** wait 3sec for request ***
          .  .  .  .  .  .  .
    *** wait 3sec for request ***
echoserver:  wss://ws.postman-echo.com/raw
** Lines to process: 1 **
********* next turn *********
* WebSocket Client connected *
****** Client is ready ******
|
Line: 1 text> 'hello socket microServer '
Received: 1 > 'hello socket microServer '

Line: 2 text> 'now you got 2 lines '
Received: 2 > 'now you got 2 lines '

******* lines sent: 2 ******
*** replies received: 2 ****

*** wait 3sec for request ***
```

Result 2

The control program is startet in a 2nd -it session and looks like:

```
   *** Welcome to WebSocket Micoservice demo ***
Known Hosts (*=Exit) [1]:
1  wss://ws.postman-echo.com/raw
2  --- server 2 ----
3  --- server 3 ----
select (1):  ==> wss://ws.postman-echo.com/raw
#
Enter text to get echoed from WebSocketClient Service
Terminate with * at first position
or get generated text by %
or append new text with @

1    hello socket microServer
2    now you got 2 lines
3    *

Select action for WebClient Service
New EchoServer (E), Send+Listen(S),New Text(N),Exit(X), Exit+Stop Client(Z) [S]s
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

******* 0 Replies *******

******* 2 Replies *******
1    hello socket microServer
2    now you got 2 lines


Select action for WebClient Service
```

GitHub

#InterSystems IRIS