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WebSocket Client IRIS internal

IRIS 2010.1 brought us a new feature: %Net.WebSocket.Client

As a continuation of my series of WS Clients I just couldn't resist to try it.
Well, this is the result and it was rather simple in the end.

- After I succeeded in my personal fight against Windows Firewall ;-)

You basically need to prepare 3 classes:

- Credentials for User, PW, SSL
- an Event Listener
- the Client (Could be a .MAC routine as well)

The example uses the WSS.EchoServer (a derivate from former SAMPLES in Caché).
The default assumption is to have Client and Server on the same system & namespace.
But if you have some other echo server (e.g. ws://echo.websocket.org)
you just pass the URL as param.

You start it

by DO ##CLASS(WSCI.Client).Try()
or DO ##CLASS(WSCI.Client).Try(serverurl)

```
USER>DO ##CLASS(WSCI.Client).Try()
OPEN
MESSAGE:10@%Stream.TmpCharacter
Welcome to Cache WebSocket. NameSpace: USER
----- next -----
new message (*=exit):MESSAGE:8@%Stream.TmpCharacter
2020-04-04 18:33:53.319: received 'hallo WS demo server' (length=20)
----- next -----
new message (*=exit):MESSAGE:10@%Stream.TmpCharacter
2020-04-04 18:34:03.320: Timeout after 10 seconds
----- next -----
new message (*=exit):this is my demo
----- next -----
new message (*=exit):MESSAGE:5@%Stream.TmpCharacter
2020-04-04 18:34:09.851: received 'this is my demo' (length=15)
----- next -----
----- next -----
new message (*=exit):MESSAGE:10@%Stream.TmpCharacter
2020-04-04 18:34:19.866: Timeout after 10 seconds
----- next -----
new message (*=exit):longer timeout
MESSAGE:8@%Stream.TmpCharacter
2020-04-04 18:34:29.132: received 'lange' (length=5)
----- next -----
```

```
new message (*=exit):MESSAGE:11@%Stream.TmpCharacter
2020-04-04 18:34:39.132: Timeout after 10 seconds
----- next -----
new message (*=exit):MESSAGE:8@%Stream.TmpCharacter
2020-04-04 18:34:41.132: received 'longer timeout' (length=14)
----- next -----
new message (*=exit):MESSAGE:11@%Stream.TmpCharacter
2020-04-04 18:34:51.148: Timeout after 10 seconds
----- next -----
new message (*=exit):to=17
----- next -----
new message (*=exit):MESSAGE:5@%Stream.TmpCharacter
2020-04-04 18:34:55.866: received 'to=17' (length=5)
----- next -----
----- next -----
new message (*=exit):MESSAGE:11@%Stream.TmpCharacter
2020-04-04 18:35:12.882: Timeout after 17 seconds
----- next -----
----- next -----
new message (*=exit):*
----- next -----
```

ERROR #28000: Connection closed
USER>

[GitHub](#)

[#ObjectScript](#) [#InterSystems IRIS](#)

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

Source URL:<https://community.intersystems.com/post/websocket-client-iris-internal>