

## WebSocket Client IRIS internal

Article

[Robert Cemper](#) · Apr 4, 2020



2m read

[Open Exchange](#)

## WebSocket Client IRIS internal

This is a coding example working on Caché 2018.1.3 and IRIS 2020.2  
It will not be kept in sync with new versions  
It is also **NOT** serviced by InterSystems **Support** !

IRIS 2020.1 brought us a new feature: %Net.WebSocket.Client

As a continuation of my series of WS Clients I just couldn't resist trying 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 2 classes:

- Credentials for User, PW, SSL
- an Event Listener
- the Client. (It 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(rcc.WS.Client).Try()
```

```
or DO ##CLASS(rcc.WS.Client).Try(server_url)
```

```
USER>DO ##CLASS(rcc.WS.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>
```

[#Interoperability](#) [#Testing](#) [#InterSystems IRIS](#) [#InterSystems IRIS for Health](#)  
[Check the related application on InterSystems Open Exchange](#)

120 0 0 4 370

Related posts

- [WebSocket Client with embedded Python](#)
- [WebSocket Client IRIS internal](#)
- [WebSocket Echo Server in IRIS](#)

[Show all](#)

Log in or sign up to continue  
Add reply

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

---