

Article

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Client Websockets based on Node.js

It will demonstrate the wide range that is opened by making use of the power embedded in Node.js and its adapter to Caché, Ensemble, Health, ..* Node / JavaScript have wide reputation to work as a WebSocket client. By using the Caché adapter it becomes easy to control it and to consume the results as a Client for WebSocket Servers and to collect the replies in Caché, Ensemble, ..

I used node-v6.16.0-x64.msi and cache610.node as cache.node

You provide a Global for input:

```
^WsockIn="wss://ws.postman-echo.com/raw"
^WsockIn(0)=6
^WsockIn(1)="Hello"
^WsockIn(2)="World !"
^WsockIn(3)="Robert"
^WsockIn(4)="is waiting"
^WsockIn(5)="for replies"
^WsockIn(6)="exit"
```

and with this echo server you get back a Global as output

```
^WsockOut(0)=6
^WsockOut(1)="Hello"
^WsockOut(2)="World !"
^WsockOut(3)="Robert"
^WsockOut(4)="is waiting"
^WsockOut(5)="for replies"
^WsockOut(6)="exit"
```

you may call it from with class code or routine or command line

```
kill ^WsockOut
do $zf(-1,"node " "C:\Program Files\nodejs\user\WsockDemo" " ")
zwrite ^WsockOut
```

or in verbose mode

```
SAMPLES>$node "C:\Program Files\nodejs\user\WsockDemo"
```

start

server: wss://ws.postman-echo.com/raw

Lines to process: 6

WebSocket Client Connected
client ready

Line: 1 text: Hello
Line: 2 text: World !
Line: 3 text: Robert
Line: 4 text: is waiting
Line: 5 text: for replies
Line: 6 text: exit
lines sent: 6

Received: 'Hello'
Received: 'World !'
Received: 'Robert'
Received: 'is waiting'
Received: 'for replies'
Received: 'exit'
replies received: 6

Client Closed
SAMPLES>

Using the WebSocket Server in namespace USER

```
ws://localhost:57772/csp/user/Web.SocketTest.cls
```

the replies look like this:

```
Received: 'Welcome to Cache WebSocket. NameSpace: SAMPLES'  
Received: ''Hello' (length=5) recieved on 08 Feb 2019 at 02:57:08PM NameSpace=USER'  
Received: ''World !' (length=7) recieved on 08 Feb 2019 at 02:57:08PM NameSpace=USER'  
Received: ''Robert' (length=6) recieved on 08 Feb 2019 at 02:57:08PM NameSpace=USER'  
Received: ''is waiting' (length=10) recieved on 08 Feb 2019 at 02:57:08PM NameSpace=U  
SER'  
Received: ''for replies' (length=11) recieved on 08 Feb 2019 at 02:57:08PM NameSpace=  
USER'  
replies received: 6
```

Client Closed

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..

I have to admit this was my first piece of code to run in Node.js.

[GitHub](#)

[#Node.js](#) [#Cache](#)

