

Article

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Websocket Client Embedded Python

This is a demo to make use of a simple WebSocket Client with Embedded Python in IRIS.

How to Test it

- Run an Iris Session in Docker
- Select your WebSocket Echo Server
- Enter the text you want to send or generate it
- Send it and see the result

```
$ docker-compose exec iris iris session iris "##class(rccpy.WSockPy).Run()"
```

```
*** Welcome to WebSocket Embedded Python Demo ***
```

```
Collecting websocket-client
```

```
Using cached https://files.pythonhosted.org/packages/4c/5f/f61b420143ed1c8dc69f9eac5ff1ac36109d52c80de49d66e0c36c3dfdf/websocket_client-0.57.0-py2.py3-none-any.whl
```

```
Collecting six (from websocket-client)
```

```
Using cached https://files.pythonhosted.org/packages/ee/ff/48bde5c0f013094d729fe4b0316ba2a24774b3ff1c52d924a8a4cb04078a/six-1.15.0-py2.py3-none-any.whl
```

```
Installing collected packages: six, websocket-client
```

```
Successfully installed six-1.15.0 websocket-client-0.57.0
```

```
%%%%%%%%%
```

```
Known Hosts (*=Exit) [1]:
```

```
1 ws://echo.websocket.org/
```

```
2 --- server 2 ----
```

```
3 --- server 3 ----
```

```
select (1): 1 ==> ws://echo.websocket.org/
```

```
Python Connection Object:#
```

```
Enter text to get echoed from WebSocketClient Service
```

```
Terminate with * at first position
```

```
or get generated text by %
```

```
or append new text with @
```

```
1 hi this is python
```

```
2 from IRIS
```

```
3 *
```

```
Select action for WebSocket Service
```

```
Send+Listen(S),New Text(N),Exit(X) [S]S
```

```
%%%%%%%%%
```

```
***** Submit 2 Lines *****
```

```
1 send> hi this is python
```

```
recv< hi this is python
```

```
2 send> from IRIS
```

recv< from IRIS

Select action for WebSocket Service
Send+Listen(S),New Text(N),Exit(X) [S]n
%%%%%%%%%%
Enter text to get echoed from WebSocketClient Service
Terminate with * at first position
or get generated text by %
or append new text with @

1 with some more text
2 %
2 * Lorem ipsum dolor sit amet, consectetur adipiscing
3 * elit, sed diam nonummy nibh euismod tincidunt ut
. . . .
32 * un simplifacat Angles, quam
33 * un skeptic Cambridge amico dit me que Occidental es.
34 *

Select action for WebSocket Service
Send+Listen(S),New Text(N),Exit(X) [S]s
%%%%%%%%%%

***** Submit 33 Lines *****
1 send> with some more text
recv< with some more text
2 send> Lorem ipsum dolor sit amet, consectetur adipiscing
recv< Lorem ipsum dolor sit amet, consectetur adipiscing
3 send> elit, sed diam nonummy nibh euismod tincidunt ut
recv< elit, sed diam nonummy nibh euismod tincidunt ut
. . . .
32 send> un simplifacat Angles, quam
recv< un simplifacat Angles, quam
33 send> un skeptic Cambridge amico dit me que Occidental es.
recv< un skeptic Cambridge amico dit me que Occidental es.

Select action for WebSocket Service
Send+Listen(S),New Text(N),Exit(X) [S]x
%%%%%%%%%%

\$

Hints

%SYS.Python.html is a preliminary class docu to see available functions

run time: If the standard Python module is not yet installed this is the first action and happens only once.

[GitHub](#)

[#Embedded Python #InterSystems IRIS](#)

Source URL:<https://community.intersystems.com/post/websocket-client-embedded-python>