Work with TCP/IP Channel in MatDeck and Python - Sender

In this example, we illustrate communications between two documents, possibly on two different hosts, through TCP/IP channel. First, we demonstrate use of channels in MatDeck, and after that Python. This document is so called sender document which is used to send data and receive echo response from the second document. The second document TCPchanrcv.mdd is used together with this document.

TCP/IP Channels in MatDeck

In order to enable communications between two documents, we create an TCP/IP channel for both, sending and receiving document. We generate data, and send it through channel. The second document receives data, modifies it, and sends it back.

```
1   ch1 := channel_create("send", "rw")
2   data := 101
3   echo := 0
4   on_event(ch1, on_channel())
5   while(!is_undefined(channel_write(ch1, data)))
6     sleep(10)
7
8   on_channel()
9   {
10    echo=channel_read(ch1, false)
11    channel_close(ch1)
12  }
```

$$echo = 101$$