

PROGRAM ST_SysTCPClient

VAR

Fp : FILEP; (* File pointer *)
TCPClient : SysTCPClient; (* TCP client *)
i : INT; (* Auxiliary variable *)
OneShot : BOOL; (* One shot flag *)
END_VAR

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1 (* ***** *)
2 (* PROGRAM "ST_SysTCPClient" *)
3 (* ***** *)
4 (* Example program. *)
5 (* ----- *)
6
7 (* ----- *)
8 (* INITIALIZATION *)
9 (* ----- *)
10 (* TCPServer initialization. *)
11
12 IF (SysFirstLoop) THEN
13     TCPClient.PeerAdd:=ADR('192.168.0.62'); (* Peer address *)
14     TCPClient.PeerPort:=1000; (* Peer port *)
15     TCPClient.LocalAdd:=ADR('0.0.0.0'); (* Local address *)
16     TCPClient.LocalPort:=1000; (* Local port *)
17     TCPClient.LocalPort:=0; (* Local port *)
18     TCPClient.FlushTm:=50; (* Flush time (mS) *)
19     TCPClient.LifeTm:=20; (* Life time (S) *)
20     TCPClient.RxSize:=128; (* Rx buffer size *)
21     TCPClient.TxSize:=128; (* Tx buffer size *)
22 END_IF;
23
24 (* Manage the TCP client. *)
25
26 IF (TCPClient.Connected <> OneShot) THEN
27     OneShot:=TCPClient.Connected; (* One shot flag *)
28     IF NOT(TCPClient.Connected) THEN TCPClient.Connect:=FALSE; END_IF;
29 END_IF;
30
31 TCPClient(); (* TCPClient management *)
32 TCPClient.Connect:=TRUE;
33 Fp:=TCPClient.File; (* File pointer *)
34
35 (* ----- *)
36 (* ECHO LOOP *)
37 (* ----- *)
38 (* Execute the echo loop. *)
39
40 IF (SysFisOpen(Fp)) THEN
41     IF (TO_BOOL(SysGetIChars(Fp)) AND TO_BOOL(SysGetOSpace(Fp))) THEN
42         i:=Sysfputc(Sysfgetc(Fp), Fp); (* Character echo *)
43     END_IF;
44 END_IF;
45
46 (* [End of file] *)
47
48

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Project : TCPClientTest

PROGRAM : ST_SysTCPClient

Release : Xtarget

Ver :1.00

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Note :

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