

```

VAR
Ping : SysIPReach; (* Ping FB *)
TimeBf : ARRAY[ 0..1 ] OF UDINT; (* Time buffer (uS) *)
PDelay : ARRAY[ 0..2 ] OF REAL; (* Ping delay (mS) *)
PTime : UDINT := 2000; (* Ping time (mS) *)
ITimes : BOOL; (* Init times flag *)
PError : UDINT; (* Ping error *)
POk : UDINT; (* Ping Ok *)
END_VAR

```

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1 (* ***** *)
2 (* PROGRAM "PingIP" *)
3 (* ***** *)
4 (* Questo programma esegue il Ping di un indirizzo IP. *)
5 (* ----- *)
6
7 (* ----- *)
8 (* INIZIALIZZAZIONI *)
9 (* ----- *)
10 (* Eseguo inizializzazioni. *)
11
12 IF (SysFirstLoop) THEN
13     TimeBf[0]:=SysGetSysTime(TRUE); (* Time buffer (uS) *)
14     ITimes:=TRUE; (* Init times flag *)
15 END_IF;
16
17 (* ----- *)
18 (* ESEGUO PING *)
19 (* ----- *)
20 (* Eseguo temporizzazione esecuzione comando Ping. *)
21
22 IF ((SysGetSysTime(TRUE)-TimeBf[0]) > (PTime*1000)) THEN
23     TimeBf[0]:=SysGetSysTime(FALSE); (* Time buffer (uS) *)
24     TimeBf[1]:=SysGetSysTime(TRUE); (* Time buffer (uS) *)
25     Ping.Enable:=TRUE; (* Ping enable *)
26 END_IF;
27
28 (* Eseguo ping. *)
29
30 Ping.PeerIP:='8.8.8.8';
31 Ping(); (* Ping FB *)
32
33 (* Controllo errore ping. *)
34
35 IF (Ping.Fault) THEN
36     Ping.Enable:=FALSE;
37     PError:=PError+1; (* Ping error *)
38     RETURN;
39 END_IF;
40
41 (* Controllo fine esecuzione ping. *)
42
43 IF NOT(Ping.Done) THEN RETURN; END_IF;
44 Ping.Enable:=FALSE; (* Ping enable *)
45 POk:=POk+1; (* Ping Ok *)
46
47 (* ----- *)

```

Project : PingIP	
PROGRAM : ST	
Release : PingReboot	Ver :1.00
Author :	Date:10/02/2015
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PROGRAM ST

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48 (* STATISTICHE PING *)
49 (* ----- *)
50 (* Eseguo statistiche su tempo esecuzione Ping. *)
51
52 PDelay[1]:=TO_REAL(SysGetSysTime(TRUE)-TimeBf[1])/1000.0; (* Ping delay (uS) (Attuale) *)
53 IF (PDelay[1] < PDelay[0]) THEN PDelay[0]:=PDelay[1]; END_IF; (* Ping delay (uS) (Minimo) *)
54 IF (PDelay[1] > PDelay[2]) THEN PDelay[2]:=PDelay[1]; END_IF; (* Ping delay (uS) (Massimo) *)
55
56 IF (ITimes) THEN
57     ITimes:=FALSE; (* Init times flag *)
58     PDelay[0]:=PDelay[1]; (* Ping delay (uS) (Minimo) *)
59     PDelay[2]:=PDelay[1]; (* Ping delay (uS) (Massimo) *)
60 END_IF;
61
62 (* [End of file] *)
63

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