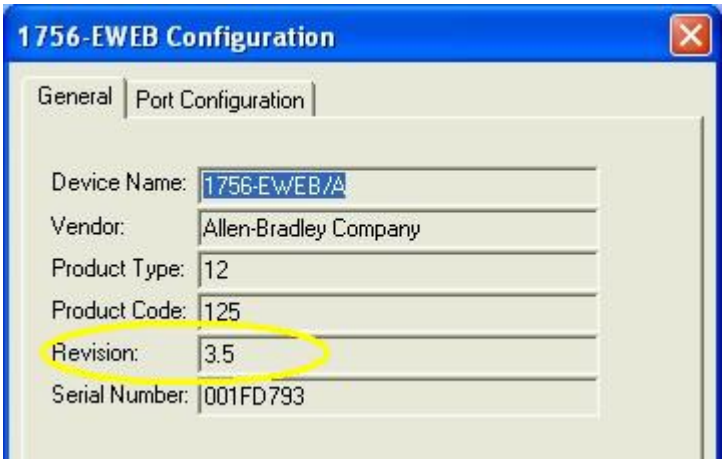
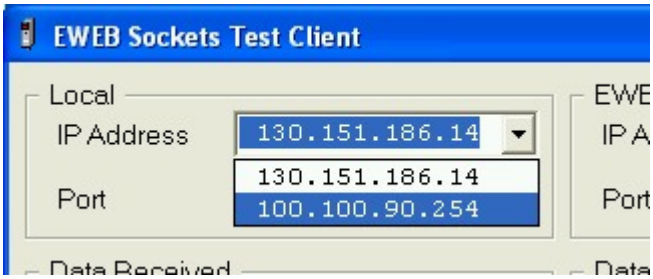
Using EWEB Sockets Sample Programs Ver.2 with Test Application

Before you start

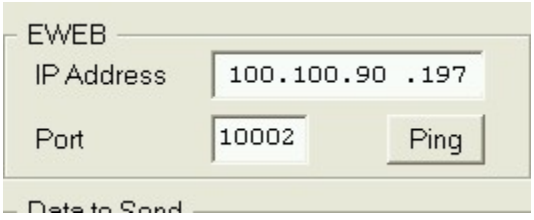
1. Verify that 1756-EWEB firmware is 3.5 or higher.
   Use **RSlinx** to check Firmware.

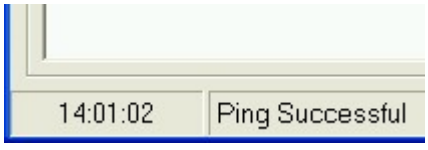


2. Install **EWEB Test Application**.
   Please note that Test Application works only in Windows 2000 and XP. No other OS supported.
3. Start **EWEB TEST APPLICATION**.
4. If computer has multiple network cards, select card connected to the EWEB module network



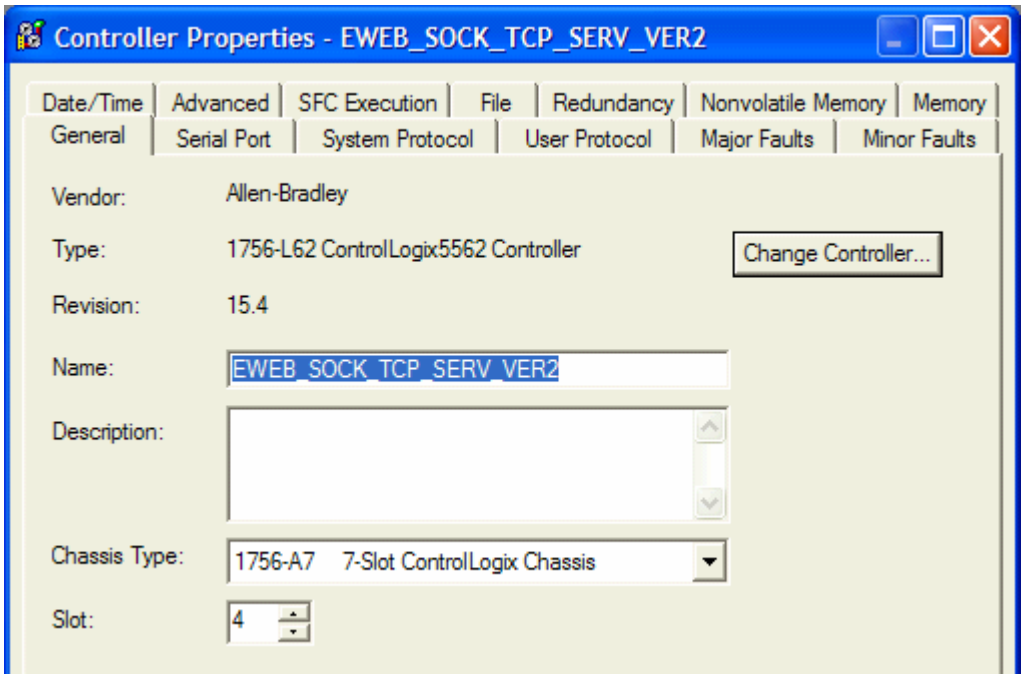
5. Type IP address of your EWEB module and Ping EWEB module





EWEB Socket Server sample program

1. Open **EWEB_SOCK_TCP_SERV_VER2 .ACD** with RSLogix 5000.
2. Open Controller properties and change if necessary:
    a. Controller Model
    b. Controller Revision
    c. Chassis Type
    d. Controller Slot number



3. Open Controller Tags and change:

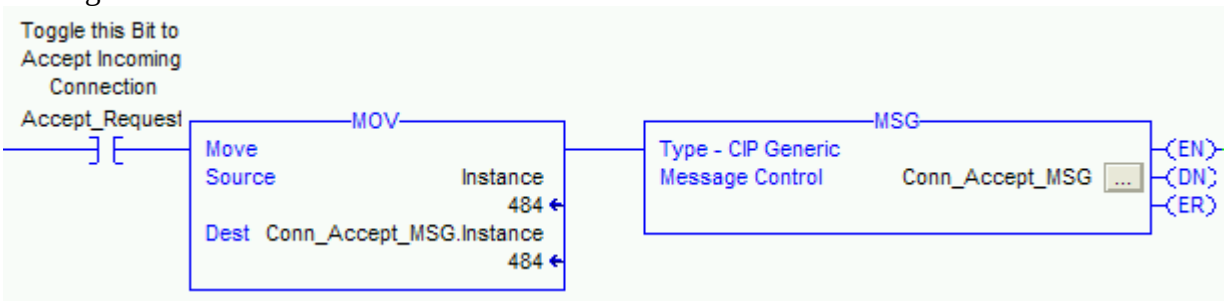
    _EWEB_PATH tag to the actual EWEB slot number.
    Example uses Slot 3- path $01$03

4. Select Correct Project path, download project and go online.
5. Open **_SOCKET_TCP_SERV** Routine

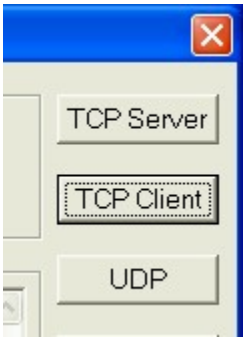
6. Toggle **Delete_All_Request** bit. Message should get **DN** bit

7. Toggle **Create_Socket_Req** bit. Message should get **DN** bit

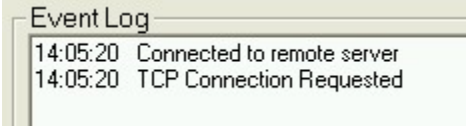
8. Toggle **Accept_Request** bit.
   Message **EN** bit should be ON and **DN** should be OFF



9. In EWEB Test Application Press **TCP Client** button

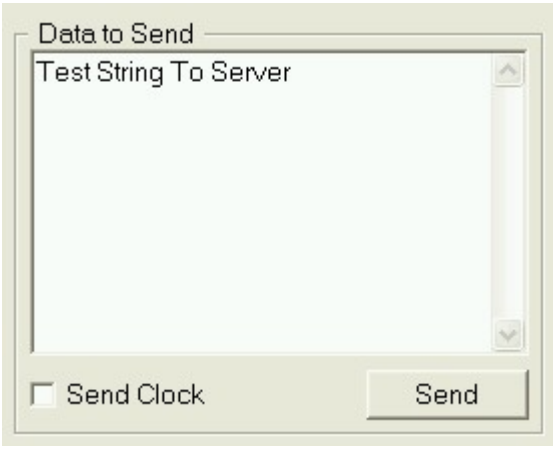


10. Log window will show Connected to Remote Server

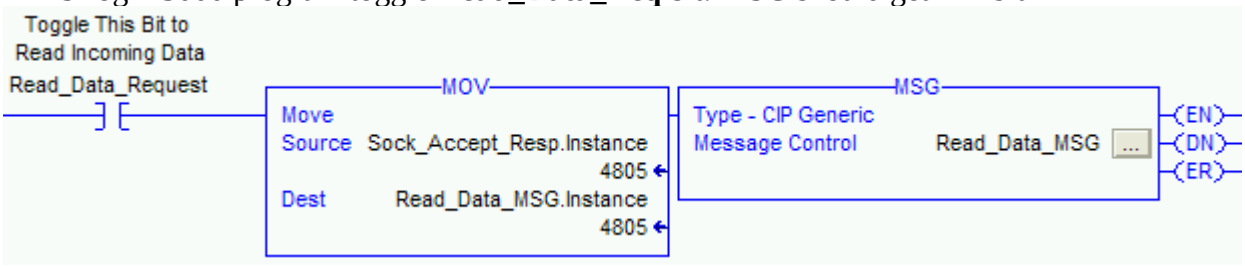


11. Message **DN** bit will come ON.

12. To send data to EWEB server, type data in **Data to Send** window and press **Send**



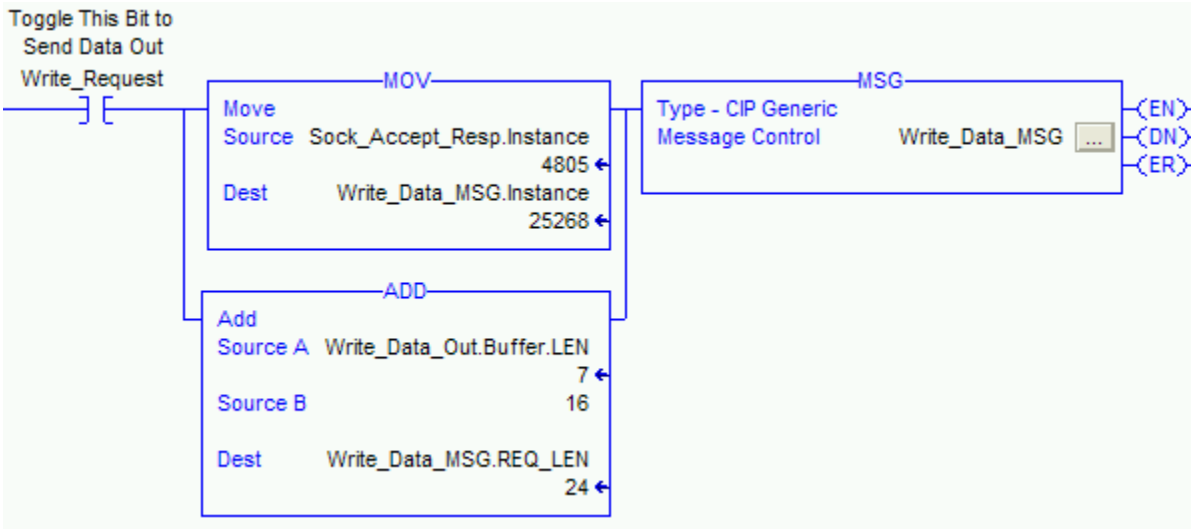
In RSLogix 5000 program toggle **Read_Data_Req** bit. MSG should get DN bit



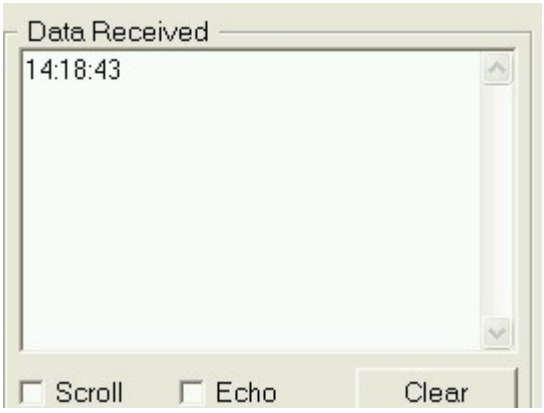
Verify incoming data in the Read_Response tag

Read_Response	{...}
Read_Response.FromAddr	{...}
Read_Response.READ_BUFF	'07:50:1207:50:1307:50:14'
Read_Response.READ_BUFF.LEN	24
Read_Response.READ_BUFF.DATA	{...}

13. To send data from EWEB module Toggle **Write_Request** tag

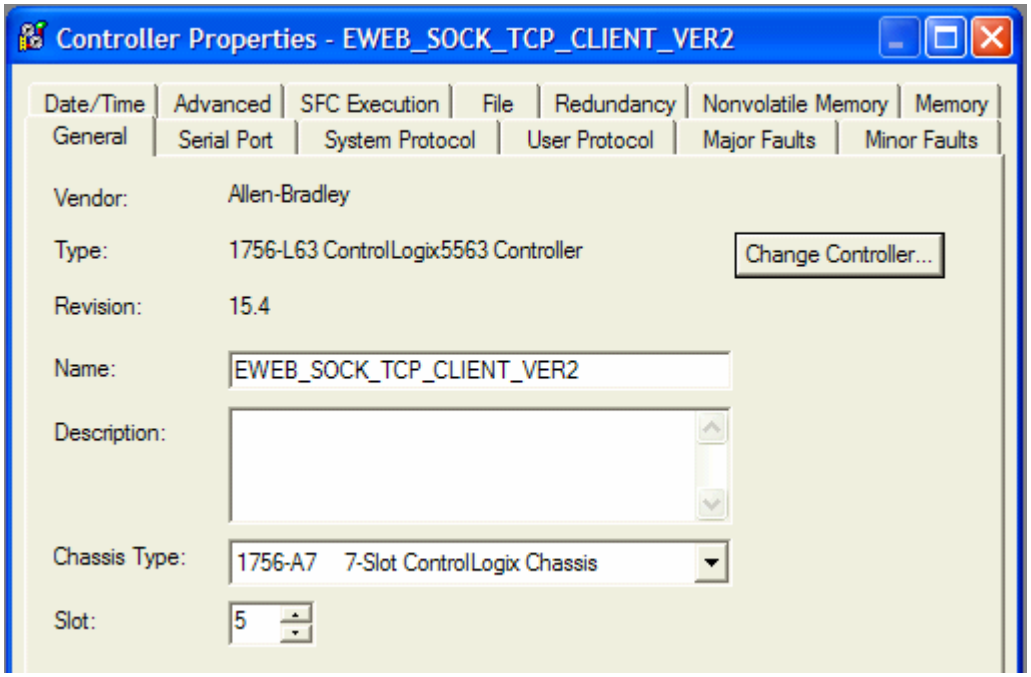


This will send PLC clock to the Test Application



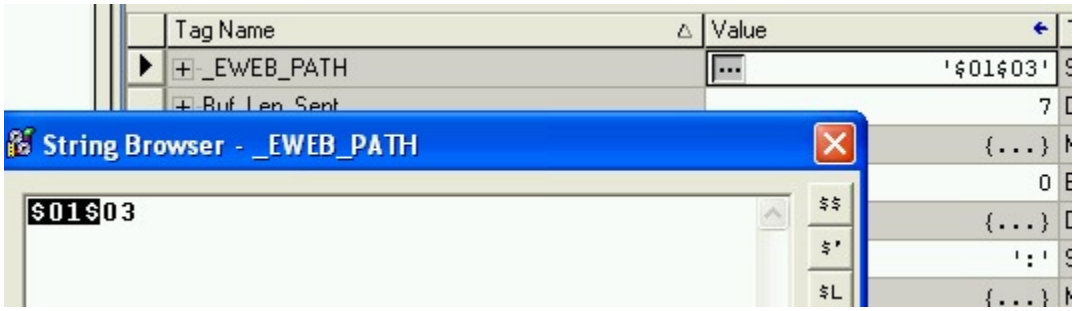
EWEB Socket Client sample program

1. Open **EWEB_SOCK_TCP_CLIENT_VER2.ACD** with RSLogix 5000.
2. Open Controller properties and change if necessary:
    a. Controller Model
    b. Controller Revision
    c. Chassis Type
    d. Controller Slot number

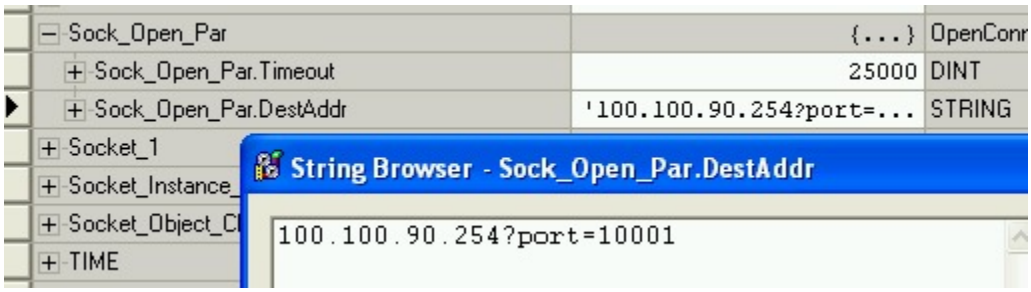


3. Open Controller Tags and change:

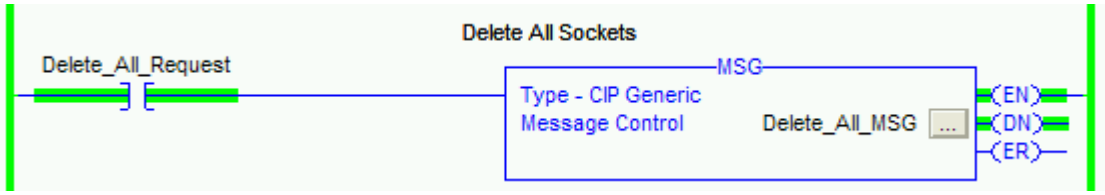
    _EWEB_PATH tag to the actual EWEB slot number.
    Example uses Slot 3- path **$01$03**



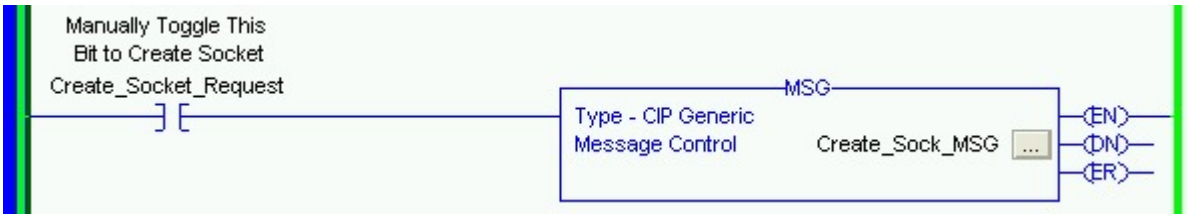
Sock_Open_Par.DestAddr tag to reflect actual IP address or your test computer



4. Select Correct Project path, download project and go online.
5. Open **_SOCKET_TCP_CLIENT** Routine
6. Toggle **Delete_All_Request** bit. Message should get **DN** bit

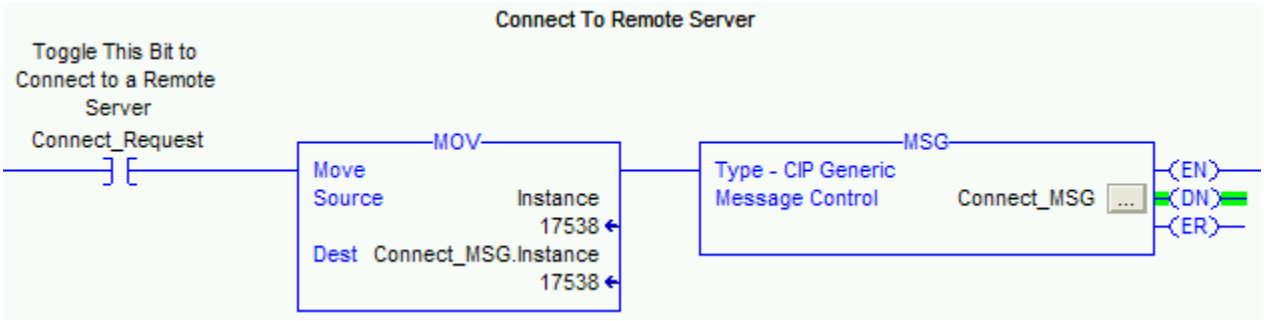


7. Toggle **Create_Socket_Request** bit. Message should get **DN** bit



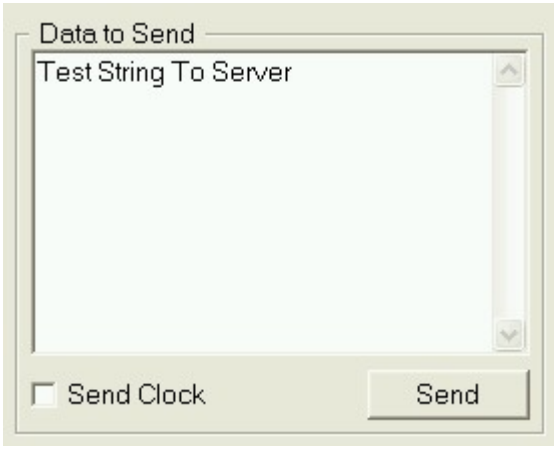
8. In EWEB Test Application Press **TCP Server** button

9. Toggle **Connect_Request** bit.

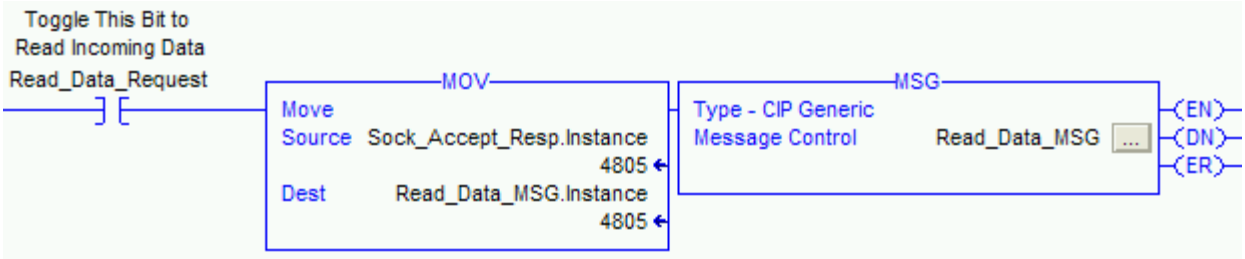


10. EWEB TCP client should accept connection

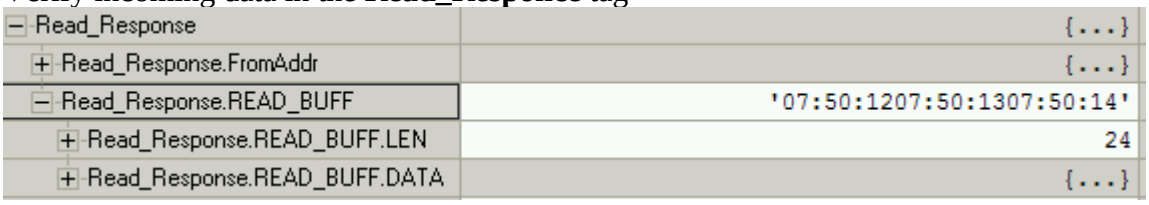
11. To send data to EWEB Client, type data in **Data to Send** window and press **Send**



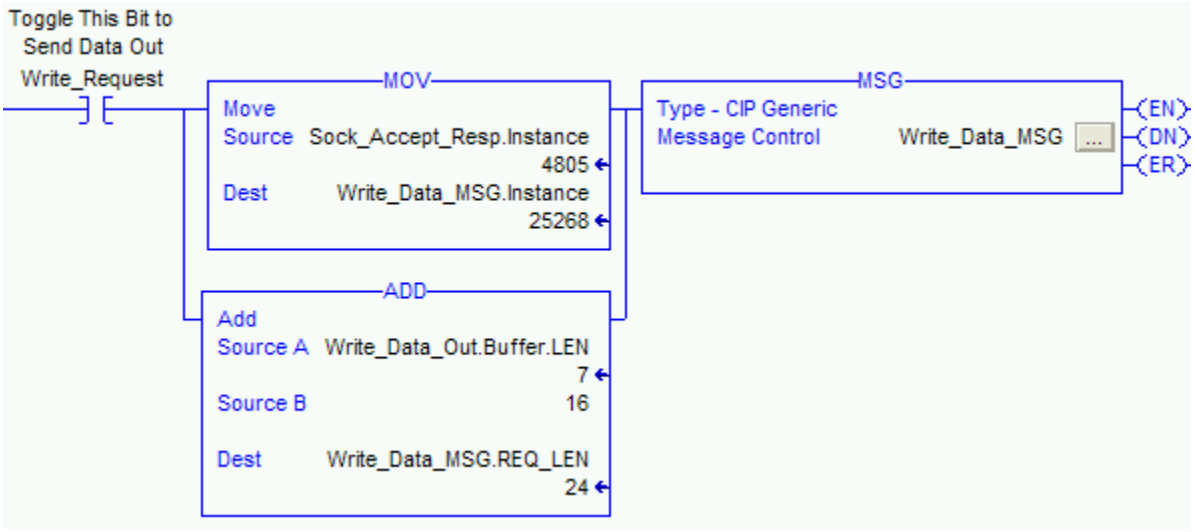
In **RSLogix 5000** program toggle **Read_Data_Request** bit. MSG should get **DN** bit



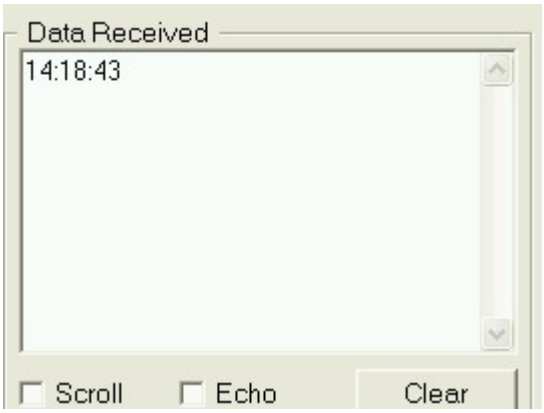
Verify incoming data in the **Read_Responce** tag



12. To send data from EWEB module Toggle **Write_Request** Tag

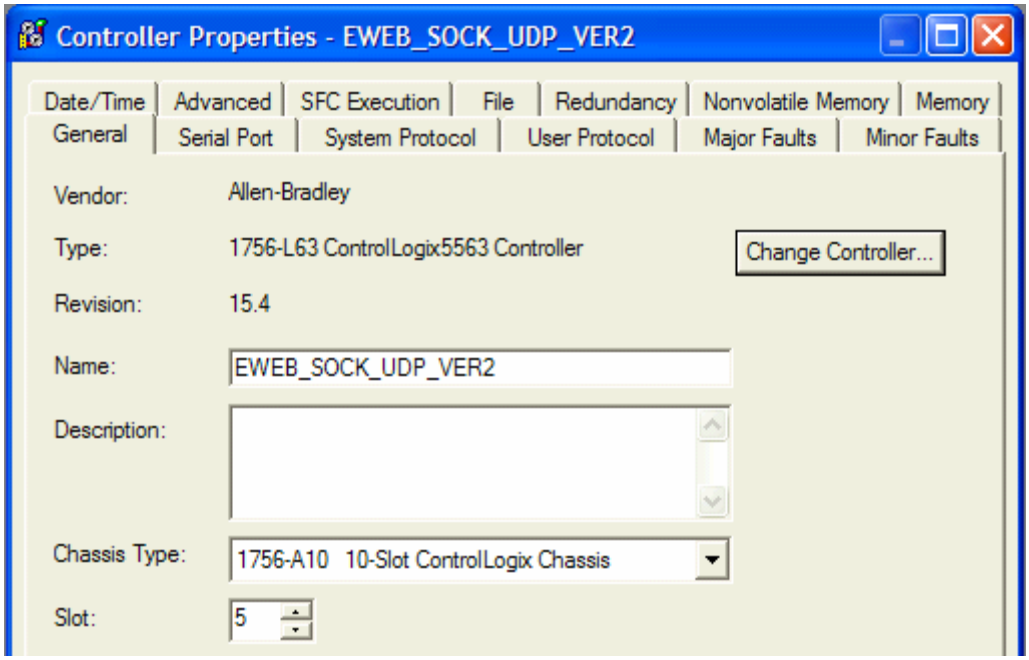


This will send PLC clock to the Test Application



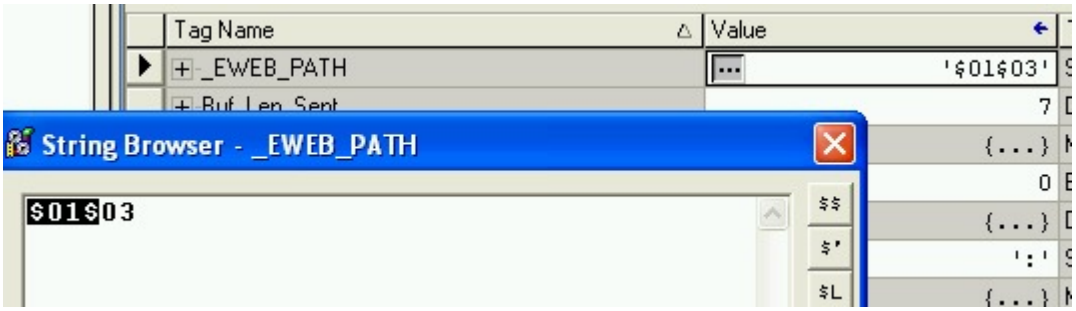
EWEB Socket UDP sample program

1. Open **EWEB_SOCK_UDP_VER2.ACD** with RSLogix 5000.
2. Open Controller properties and change if necessary:
    a. Controller Model
    b. Controller Revision
    c. Chassis Type
    d. Controller Slot number



3. Open Controller Tags and change:

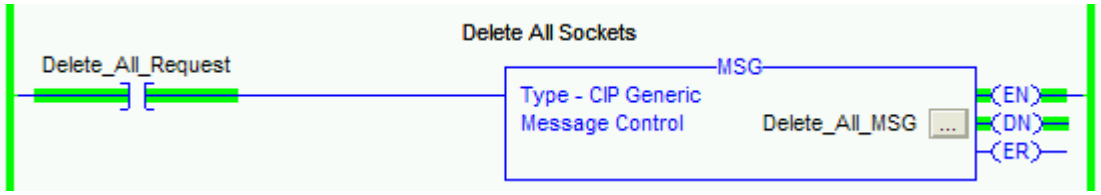
_EWEB_PATH tag to the actual EWEB slot number.
Example uses Slot 3- path **$01$03**



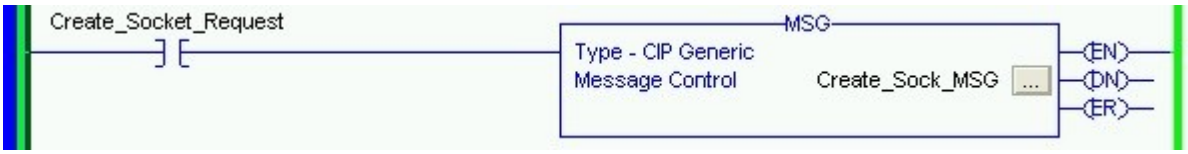
Write_Data_Out.ToAddr.Addr tag to reflect actual IP address or your test computer in HEX format.

Write_Data_Out.ToAddr	{...}	SockAddr		
Write_Data_Out.ToAddr.Family	2	INT	Decimal	
Write_Data_Out.ToAddr.Port	10001	INT	Decimal	
Write_Data_Out.ToAddr.Addr	16#6464_5afe	DINT	Hex	

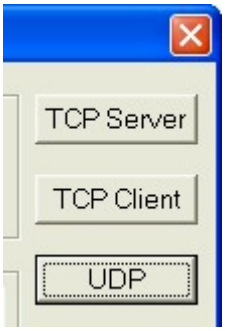
4. Select Correct Project path, download project and go online.
5. Open **_SOCKET_UDP** Routine
6. Toggle **Delete_All_Request** bit. Message should get **DN** bit



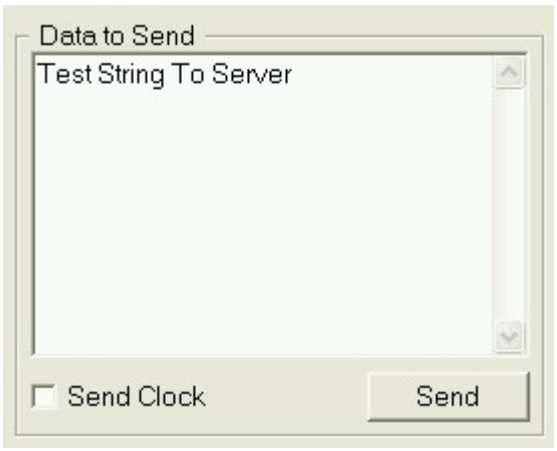
7. Toggle **Create_Socket_Request** bit. Message should get **DN** bit



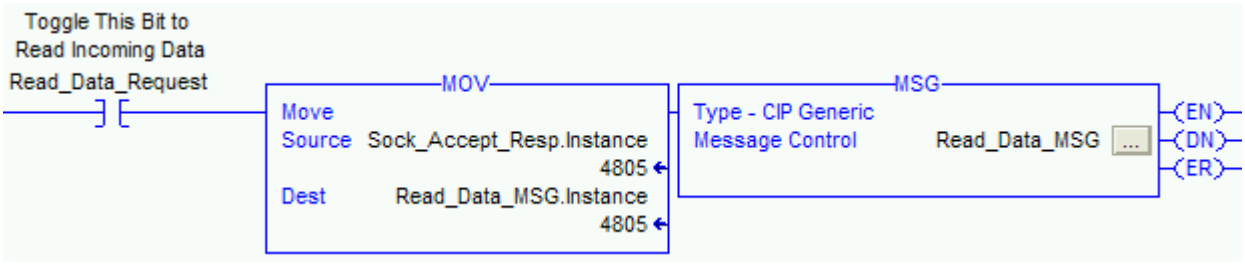
8. In EWEB Test Application Press **UDP** button



9. To send data to EWEB, type data in **Data to Send** window and press **Send**

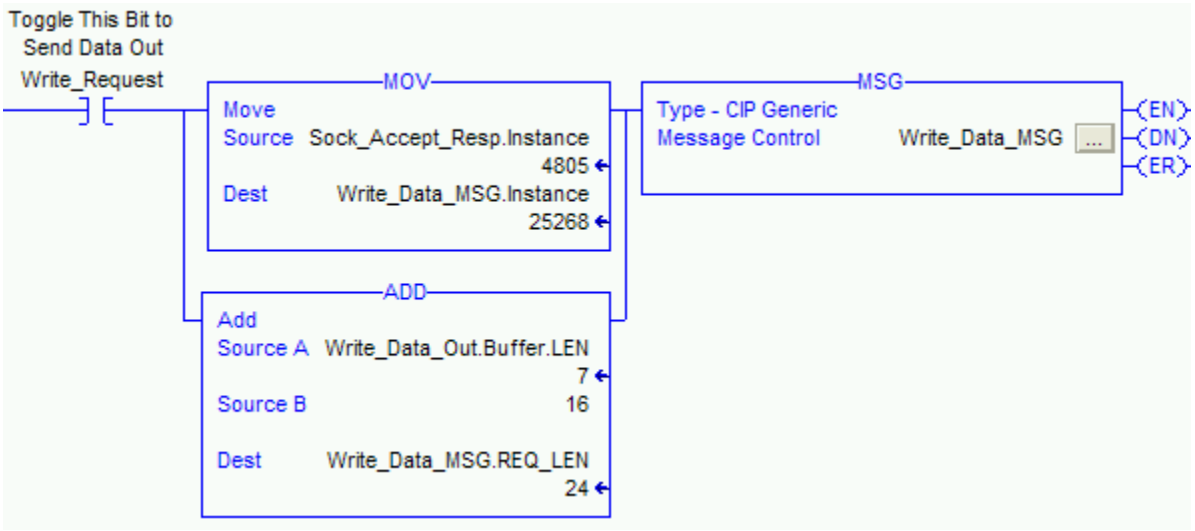


In **RSLogix 5000** program toggle **Read_Data_Request** bit. MSG should get **DN** bit

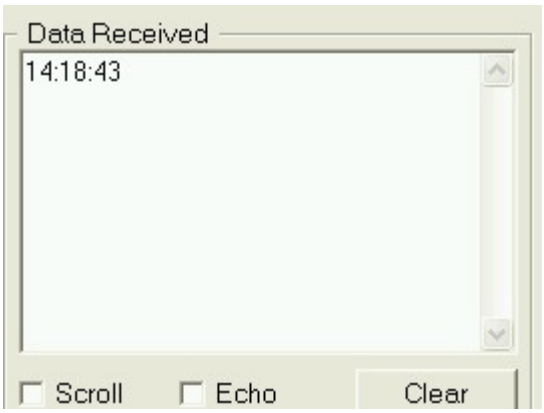


Verify incoming data in the **Read_Response** tag

10. To send data from EWEB module Toggle **Write_Request** Tag



This will send PLC clock to the **Test Application**


Data Received
14:18:43
Scroll
Echo
Clear