

TCPIP Custom Device

This Custom Device is provided As Is.

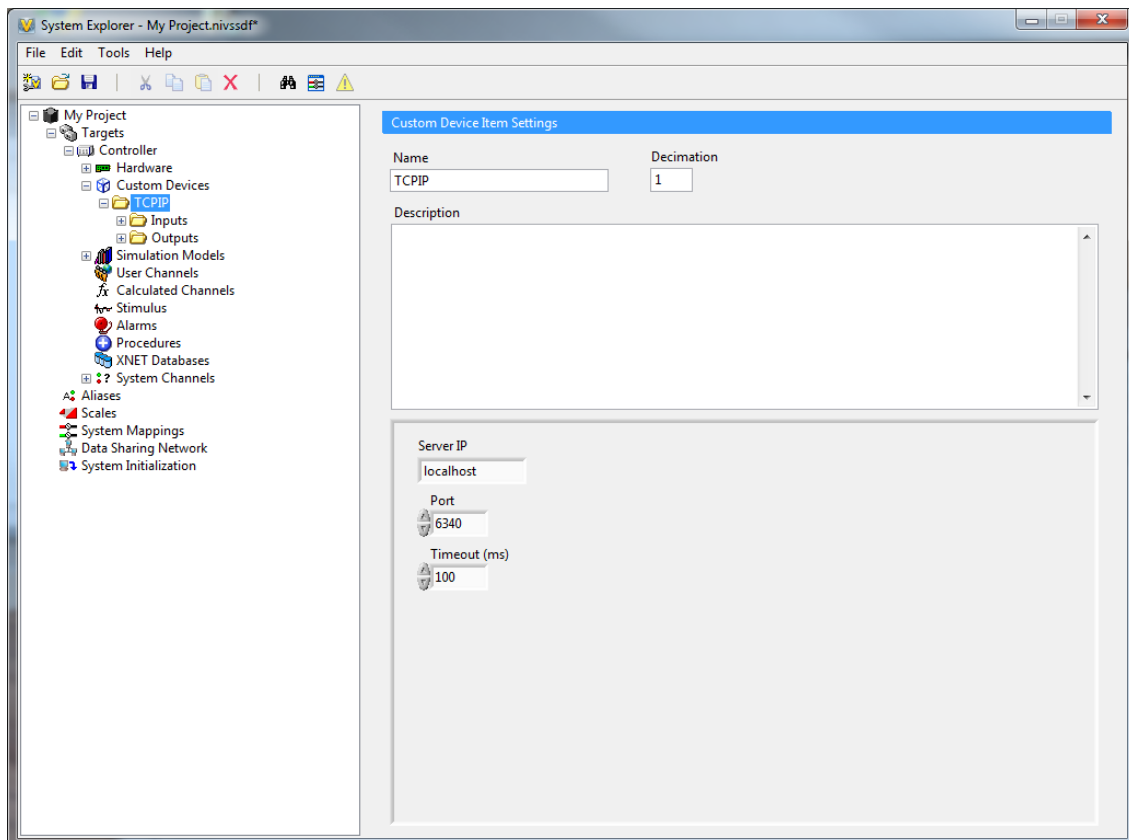
Content

The provided .zip file contains the following files and folders:

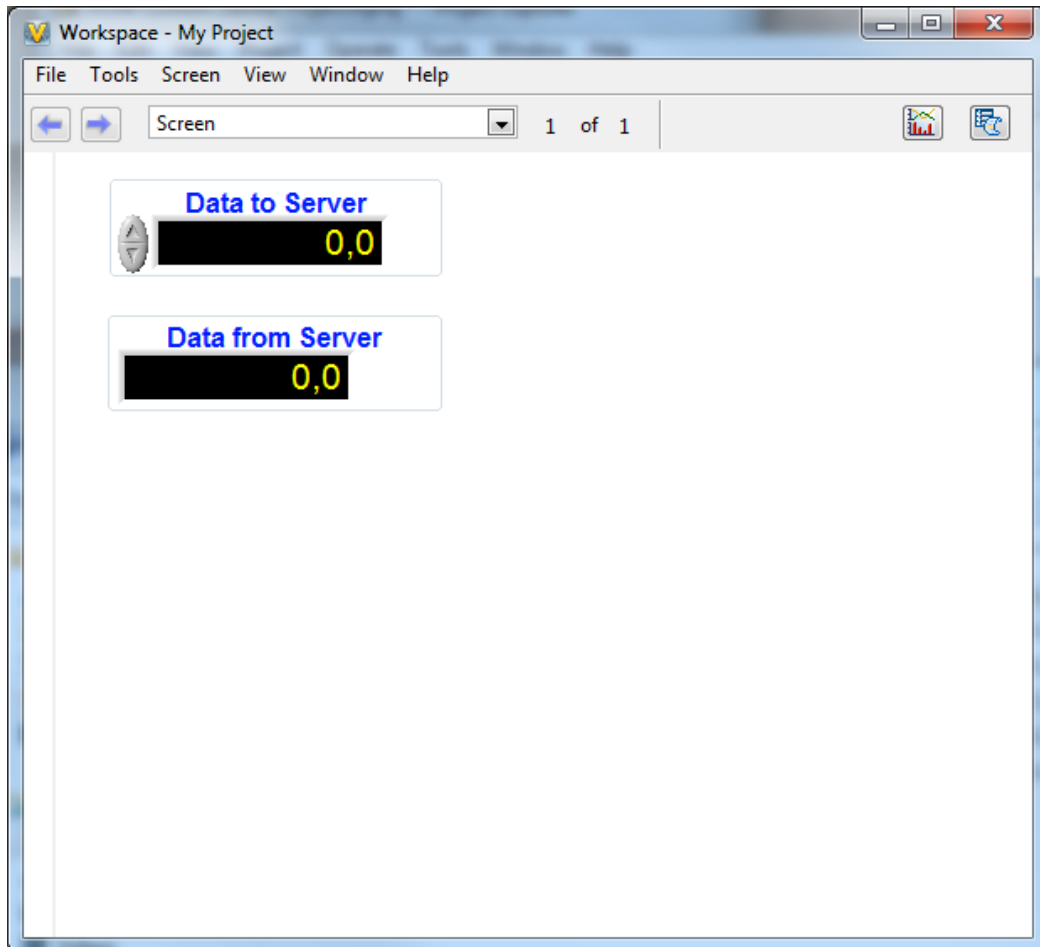
1. TCPIP. Contains the pre-built custom device
2. Source. Contains the source code of the custom device
3. Simple TCP - Server.vi. Represents a simple TCP/IP server

Instructions

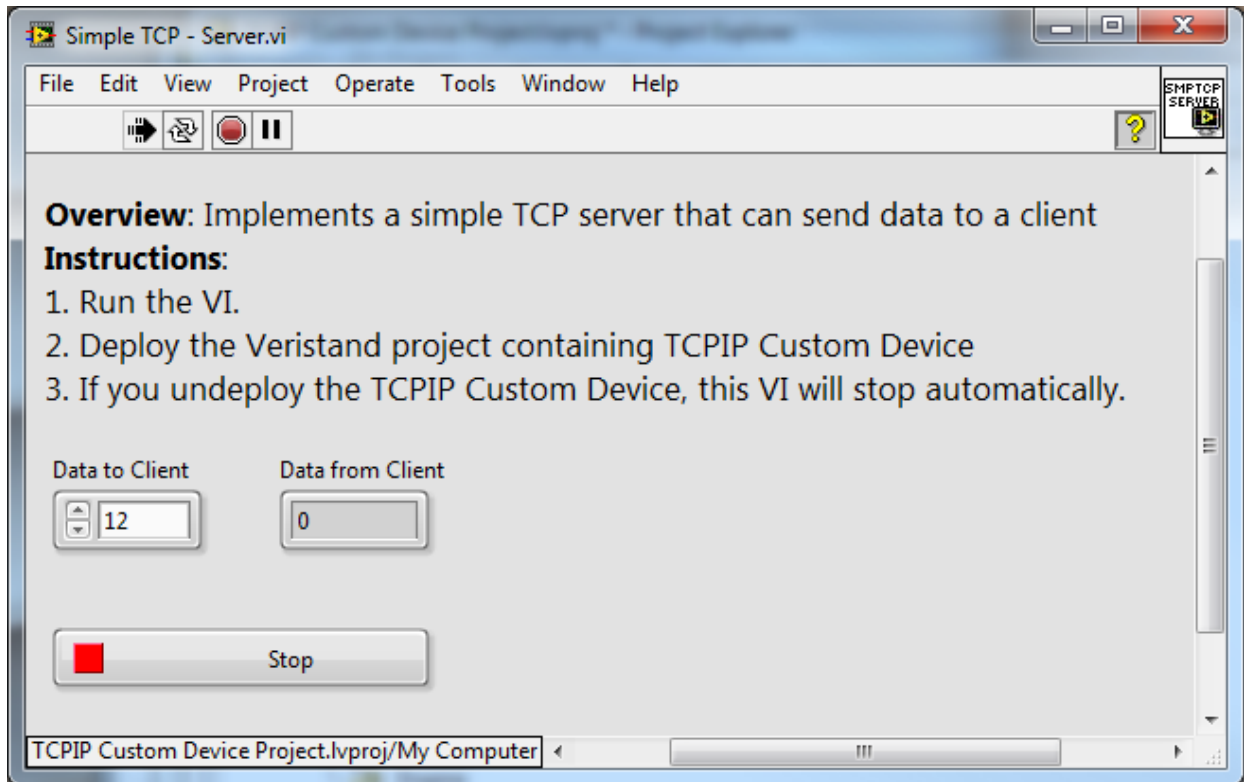
1. Unzip the content to the local disc
2. Copy the TCPIP folder to C:\Users\Public\Documents\National Instruments\NI VeriStand 201x\Custom Devices
3. Open Veristand and create a new project or open the existing one
4. Launch System Explorer, expand the Controller tree, right-click on Custom Devices and select TCPIP



5. Select the server IP, port and timeout values. Timeout is the amount of time the client Custom Device should wait the server to respond during the initialization stage. The default values are localhost, 6340 and 100ms, correspondingly.
6. Save the system definition file and close the System Explorer window.
7. Launch Workspace window.
8. Drop a Numeric Control to the workspace and map it to Data to Server.
9. Drop a Numeric Indicator to the workspace and map it to Data from Server
10. Press ctrl + M to exit Edit Mode



11. Run Simple TCP – Server.vi. It will wait infinitely to connection from client.



12. Go to Veristand Project Explorer and run press F5 or Operate->Run

13. Change the control values in Veristand Workspace and LabVIEW windows and make sure the Custom Device properly communicates with the server.