

OPC Sample Code

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using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;
using OPCAutomation;
namespace OPC
{
    public partial class Form1 : Form
    {
        OPCServer ObjOPCServer;
        OPCGroups ObjOPCGroups;
        OPCGroup ObjOPCGroup;
        string OPCServerName;
        public Form1()
        {
            try
            {
                InitializeComponent();
                OPCServerName = ""{Here comes your OPC server's name}";";
                ObjOPCServer = new OPCServer();
                ObjOPCServer.Connect(OPCServerName, """);
                ObjOPCGroups = ObjOPCServer.OPCGroups;
                ObjOPCGroup = ObjOPCGroups.Add(""OPCGroup1");
                ObjOPCGroup.DataChange += new
                DIOPCGroupEvent_DataChangeEventHandler(ObjOPCGroup_DataChange)
                ;
                ObjOPCGroup.OPCItems.AddItem(""{tag name or address (like
                {plc name on server}!%mw0)}";, 1);
                ObjOPCGroup.UpdateRate = 10;
```

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ObjOPCGroup.IsActive = true;
ObjOPCGroup.IsSubscribed = true;
}
catch (Exception e)
{
MessageBox.Show(e.ToString());
}
}
private void button1_Click(object sender, EventArgs e)
{
}
private void ObjOPCGroup_DataChange(int TransactionID, int
NumItems, ref Array ClientHandles, ref Array ItemValues, ref
Array Qualities, ref Array TimeStamps)
{
for (int i = 1; i <= NumItems; i++)
{
if ((Convert.ToInt32(ClientHandles.GetValue(i)) == 1))
{
textBox1.Text = ItemValues.GetValue(i).ToString();
}
}
}
private void Form1_Load(object sender, EventArgs e)
{
OPCServerClass GlobalOPCServer = new OPCServerClass();
Array ServerList =
(Array)GlobalOPCServer.GetOPCServers(""); for (int i
= 1; i <= ServerList.Length; i++)
{ comboBox1.Items.Add(ServerList.GetValue(i).ToString()); }
}
}

```

from: [GitHub.com](https://github.com)