

Visual Studio 2008 ASP.net C#



Web services

Web service support for cab label printers
How to create a .net service client with
Visual Studio 2008 ASP.net C#

Web Service support for cab Label Printers

valid for following printer types:

A+ -Series™
XD4™
Mach 4™
PX -Print ModuleSeries™
Hermes+
XD and XC series printers
and all printing systems based on the cab „X2“ board
furthermore for the EOS series

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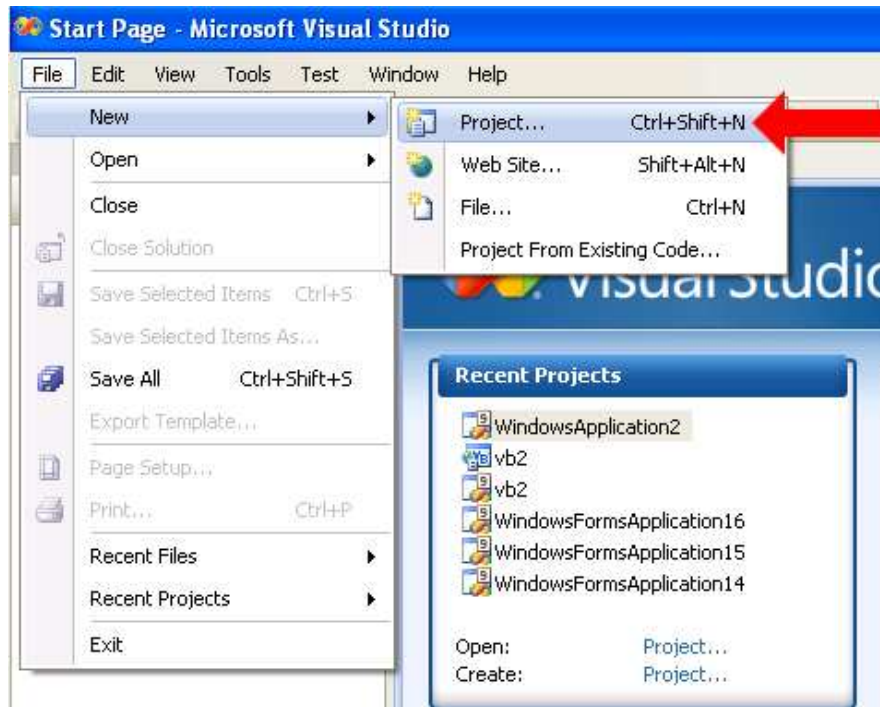
Email: support@cabgmbh.com

<http://www.cabgmbh.com>

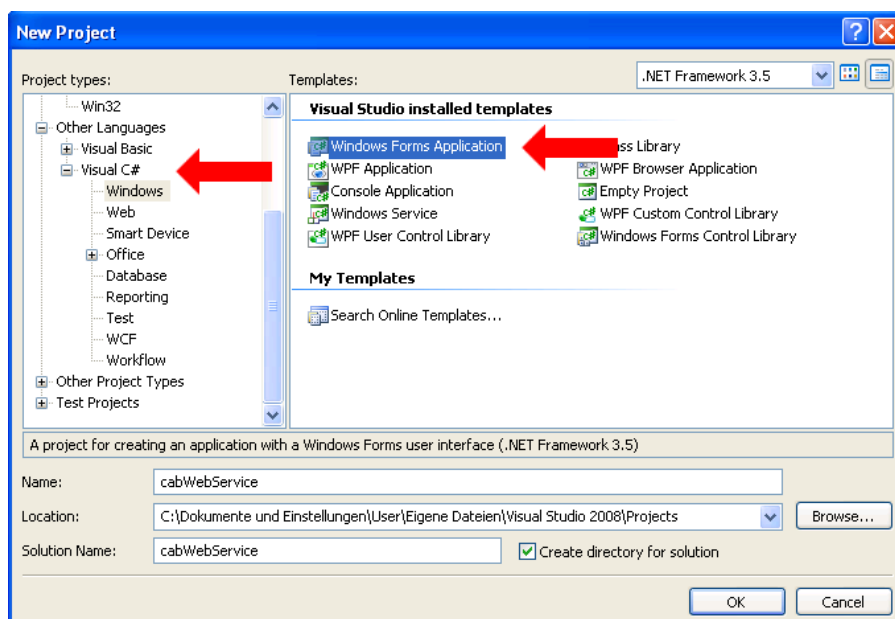
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How to create a Web Service client with Visual Studio 2008 ASP.net C#

Start Visual Studio 2008 and create a new project.

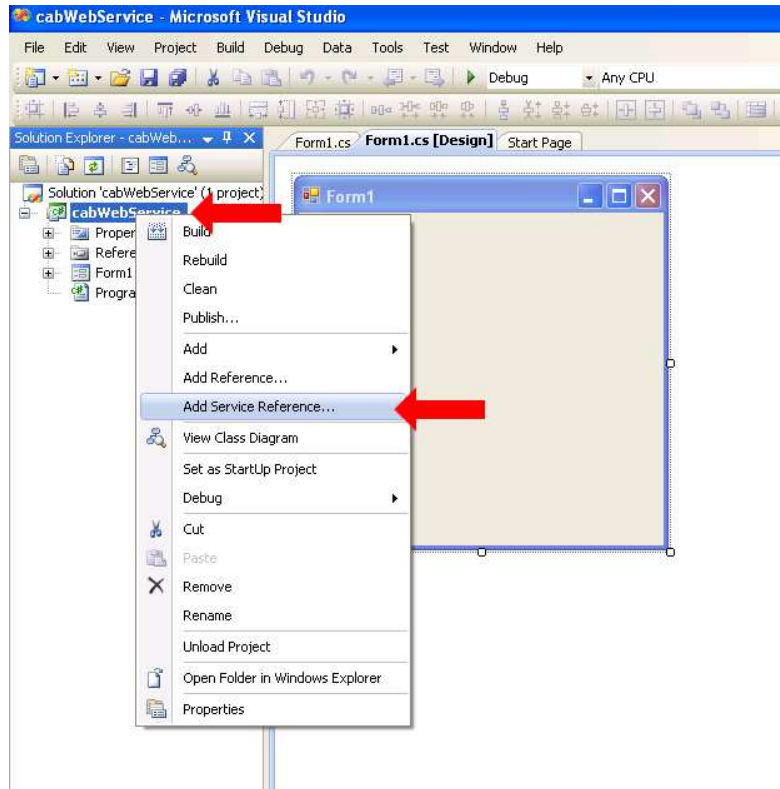


In the pop up window select as language 'Visual C#' and choose 'Windows Forms Application' and click on the 'OK' button.



Next you must add the Web Service in your project.

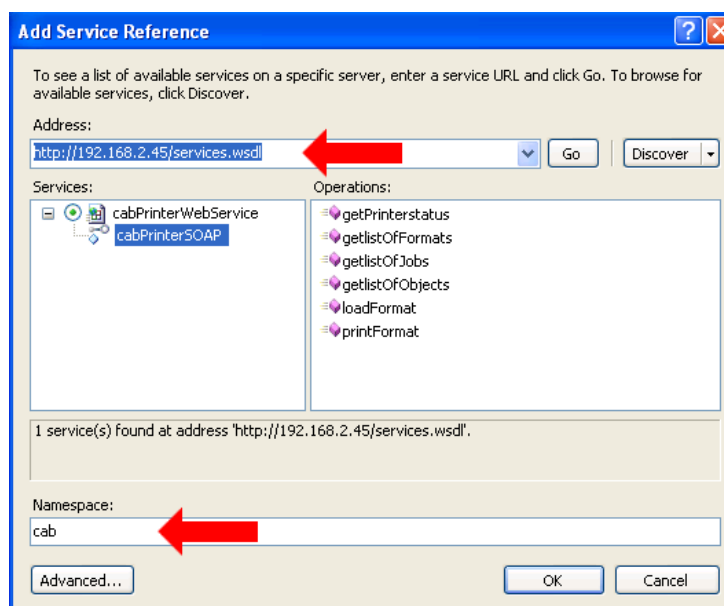
Click right on the root element of your project, in the opened menu click on 'Add Service Reference...'



In the opened dialog, type the IP-address or DNS-name from your cab printer and add 'services.wsdl'. This is the location of the WSDL.

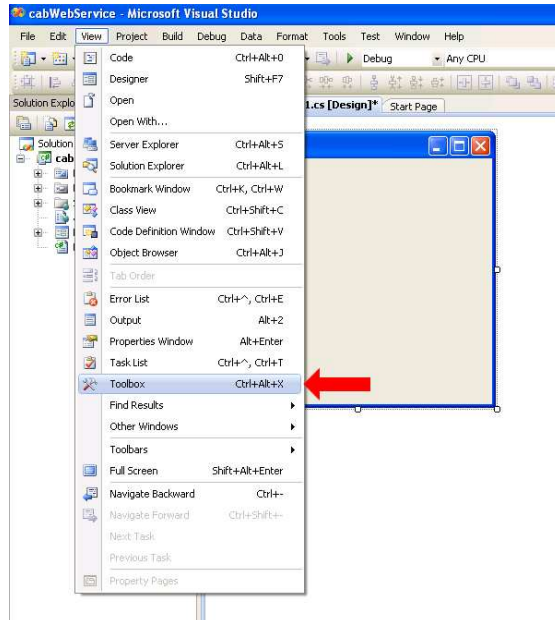
(For EOS printers: [http://\[printer-IP address or DNS name\]/cgi-bin/soap/services.wsdl](http://[printer-IP address or DNS name]/cgi-bin/soap/services.wsdl))

Now select 'cabPrinterSOAP' so you can see the operations on the left side. On the bottom type your preferred namespace and press the 'OK' button.

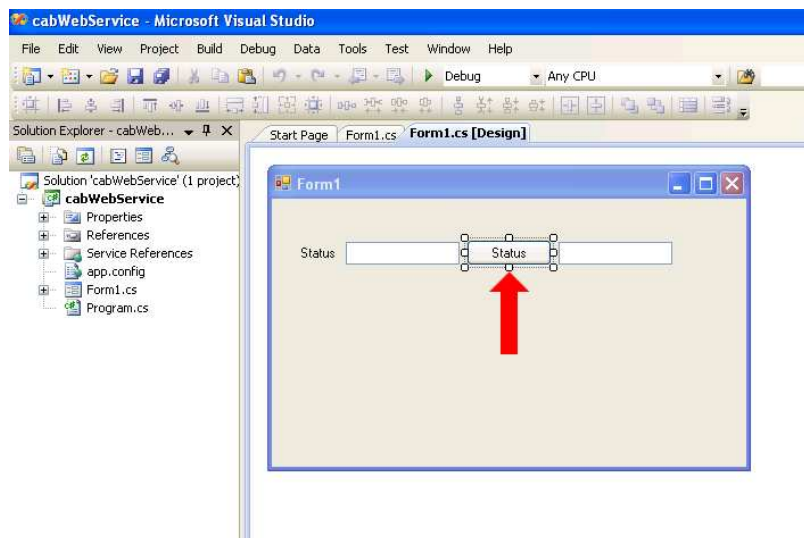


In the next step you have to create the user interface. First you have to open the 'Toolbox', click in the menu bar on 'View->Toolbox'.

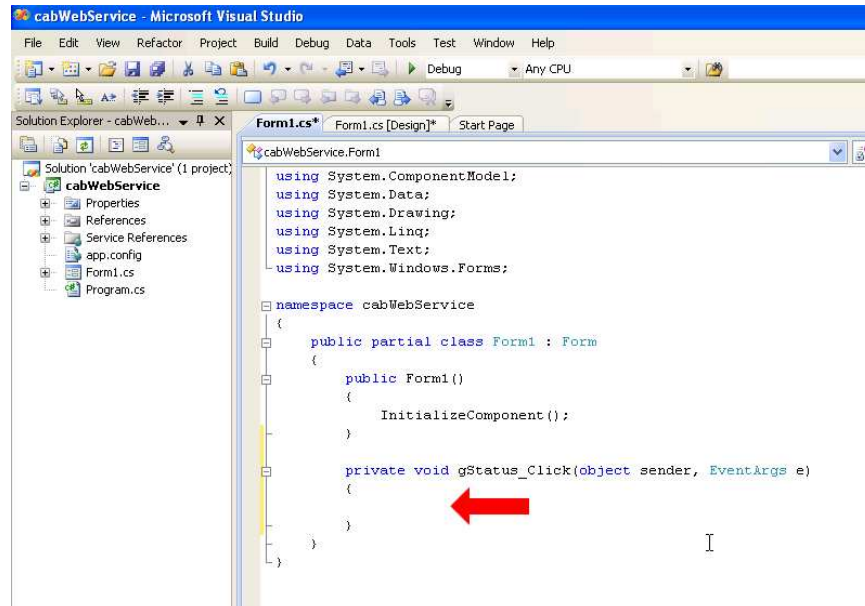
You can place the interface objects by drag and drop from the toolbox on the right side to the preview. In our case it's a simple status query, with an input text box, a button and an output text box.



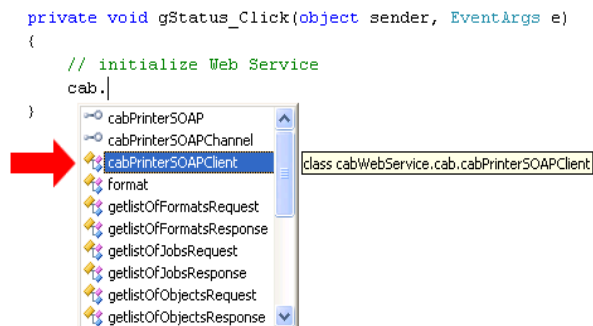
For a function call you have to add a click action to the button by double clicking on it.



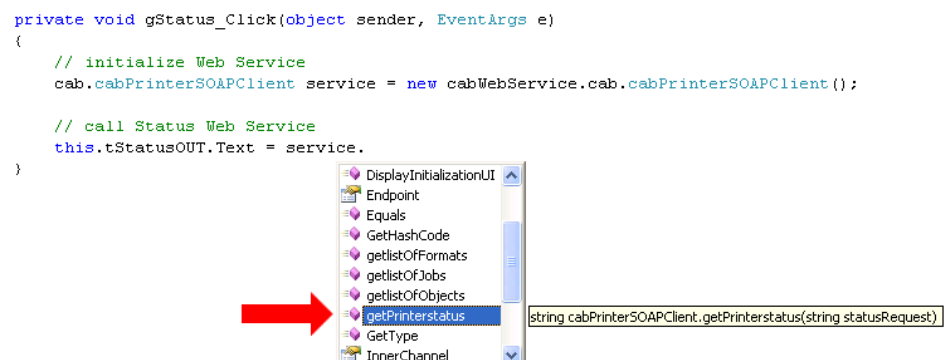
After double clicking your button you see the source code from your new method.



In the opened function type your selected namespace and press 'Ctrl+Space'. In the opened dialog window select 'cabPrinterSOAPClient' and press 'Enter'.



Repeat the last step but select the 'getPrinterstatus' function.



The picture below shows the final code.

```

using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;

namespace cabWebService
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        private void gStatus_Click(object sender, EventArgs e)
        {
            // initialize Web Service
            cab.cabPrinterSOAPClient service = new cabWebService.cab.cabPrinterSOAPClient();

            // call Status Web Service
            this.tStatusOUT.Text = service.getPrinterstatus(this.tStatusIN.Text);
        }
    }
}

```

Now you can test your application.

In the menu bar on the top of Visual Studio go to 'Debug->Start Debugging'.

```

public partial class Form1 : Form
{
    public Form1()
    {
        InitializeComponent();
    }

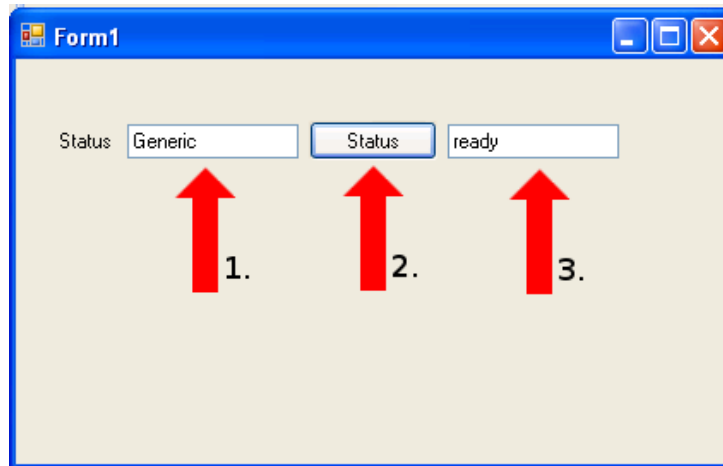
    private void gStatus_Click(object sender, EventArgs e)
    {
        // initialize Web Service
        cab.cabPrinterSOAPClient service = new cabWebService.cab.cabPrinterSOAPClient();

        // call Status Web Service
        this.tStatusOUT.Text = service.getPrinterstatus(this.tStatusIN.Text);
    }
}

```

Now you see your created user interface.

Enter the query message, like 'Generic' in the input text box. Click the button and wait for the response.



An enhanced sample application is available on the download area of cab's website.