

This guide will help you add the TCAD for WEB in your applications

"TCAD for WEB" is a Windows Form Control that works under .NET frameworks. it can be used from customers to create their own application with the graphics functionality provided. Customers can easily create, edit, manage and save 2D vector drawings. The file format is based XML is not depended from control's version.

This TCAD version is written from the scratch and is completely new. The whole component is in managed Visual Studio 2005 & C# code. it can be used under Windows Form Applications and HTML inside Internet Explorer, they all need .NET 2.0(or later version) installed.

Ready:

You need download TCAD package first, click here download it.

You'll get *TCADforWEB.zip* (*purchased customer named "TCADforWEB-PRO.zip"*) file when you finish download package, it contains some important files.

Codeidea.UltraGraphics.dll - The control dll.

NETConfig.exe – This package is provided for customers who created HTML inside Internet Explorer applications. When visit the html in internet, you should configure .net tool.

...

licenses.licx – The license licx file, you need this file to generate .licenses file.

licenses.bat – Generate the .licenses file. You should modify it according your .net environment.

RegisterTCAD.exe – if you a purchased customer, you should register it.

In order to add the TCAD in Windows Form Applications:

1. Run Visual Studio.
2. Click the right mouse button on tool box.
3. Choose the "Add/Remove item".
4. Click the "Browse" button on the right bottom of the dialog.
5. Selecte the "Codeidea.UltraGraphics.dll",then Click "OK" button.

Now, you can use TCAD like other controls.

In order to add the TCAD in HTML inside Internet Explorer:

Copy the Codeidea.UltraGraphics.dll file to root directory of your site.

A purchase customer ready

- b. Use RegisterTCAD.exe to register tcad.
- c. Use licenses.bat to generate .licnses file.

NOTE: trial customer avoid this ready.

(1) Create a new HTML page and open it with your editor, then add this object:

```
<OBJECT          id="MyCAD1"          height="501"          width="601"
classid="http:Codeidea.UltraGraphics.dll#Codeidea.UltraGraphics.MyCAD" VIEWASTEXT>
</OBJECT>
```

(2) If you a puchased customer you should add .licenses file, the licenses.bat generates this file.

```
<LINK REL="licenses" href="drawing.html.licenses" />
```

NOTE: trial customer don't need this step.

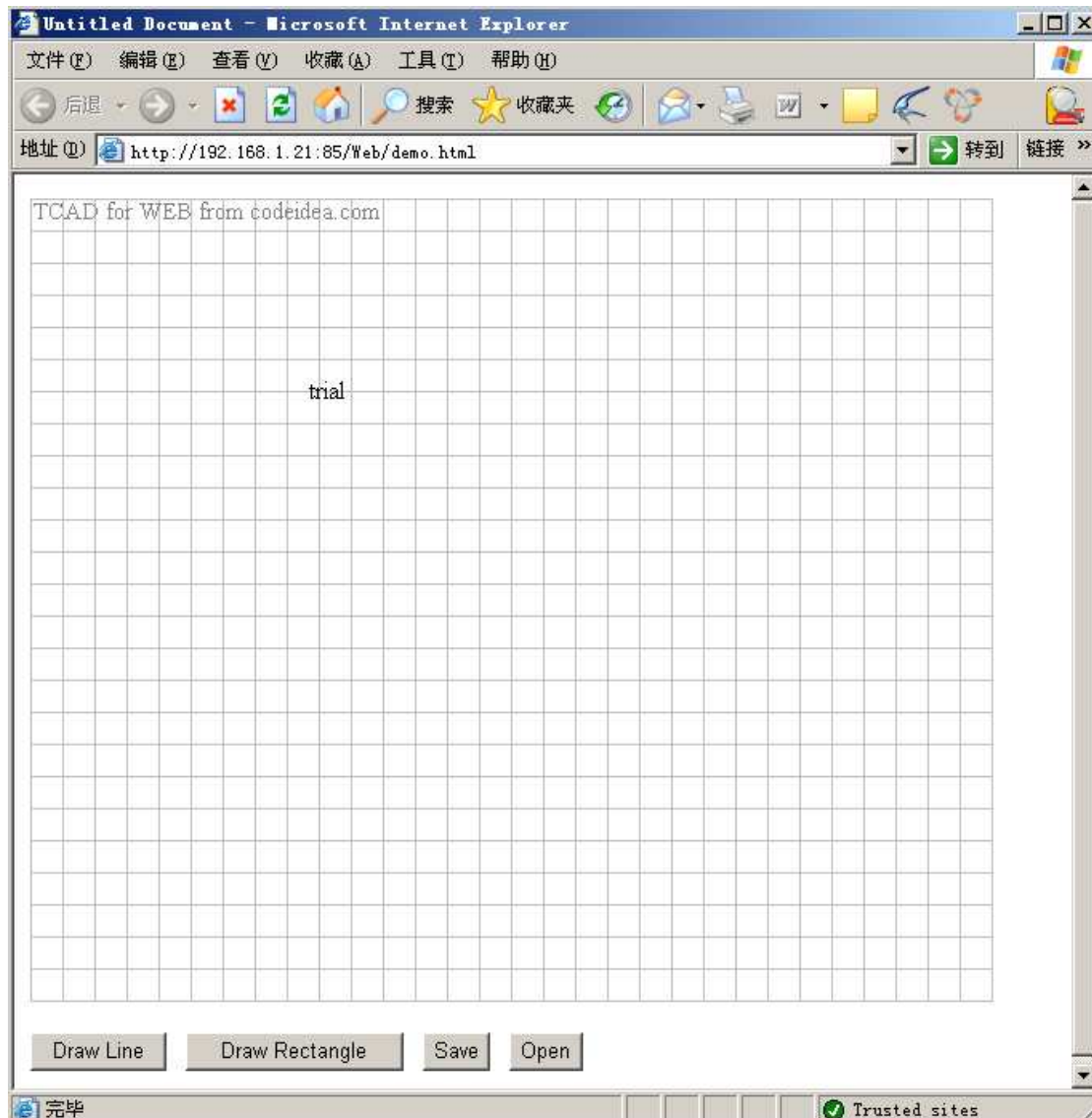
(3) Add also 4 buttons to the HTML page and add the "onclick" event handler:

```
...
<p>
<input type="button" value="Draw Line" name="Line" onclick="javascript:Line_onclick();">
&nbsp;
<input          type="button"          value="Draw          Rectangle"          name="Rectangle"
onclick="javascript:Rectangle_onclick();"> &nbsp;
<input type="button" value="Save" name="Save" onclick="javascript:Save_onclick();"> &nbsp;
<input type="button" value="Open" name="Open" onclick="javascript:Open_onclick();">
</p>
...
```

(4) Write the following JavaScript code in the HTML page:

```
<head>
...
<script type="text/javascript">
    function Line_onclick(){
        MyCAD1.DrawType = 3;
    }
    function Rectangle_onclick(){
        MyCAD1.DrawType = 12;
    }
    function Save_onclick(){
        MyCAD1.SaveFile("demo.xml");
        alert ("Save file success!");
    }
    function Open_onclick(){
        MyCAD1.LoadFile("demo.xml");
        alert ("Open file success!");
    }
</script>
</head>
...
```

(5) The HTML page you just created should be shown like this inside the Internet Explorer :



You must do these follow first:

Internet Explorer Options

- Add "visted site" your "Trusted sites"
- Enable "ActiveX" options

NET Framework 2.0(or later) intalled

- Check and configure .NET Framework, see [NETConfig.exe](#). The remote visit machine also configure it.

(6) The whole HTML code in this page should be:

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
```

```

<title>Untitled Document</title>
<script type="text/javascript">
    function Line_onclick(){
        MyCAD1.DrawType = 3;
    }
    function Rectangle_onclick(){
        MyCAD1.DrawType = 12;
    }
    function Save_onclick(){
        MyCAD1.SaveFile("demo.xml");
        alert ("Save file success!");
    }
    function Open_onclick(){
        MyCAD1.LoadFile("demo.xml");
        alert ("Open file success!");
    }
</script>
</head>

<body>

<OBJECT          id="MyCAD1"          height="501"          width="601"
classid="http:Codeidea.UltraGraphics.dll#Codeidea.UltraGraphics.MyCAD" VIEWASTEXT>
</OBJECT>

<p>
<input type="button" value="Draw Line" name="Line" onclick="javascript:Line_onclick();">
&nbsp;
<input          type="button"          value="Draw          Rectangle"          name="Rectangle"
onclick="javascript:Rectangle_onclick();"> &nbsp;
<input type="button" value="Save" name="Save" onclick="javascript:Save_onclick();"> &nbsp;
<input type="button" value="Open" name="Open" onclick="javascript:Open_onclick();">
</p>

</body>
</html>

```