



## **TBARS Product Manual**

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TBARS Product Manual .....	1
Introduction .....	3
TBARS Toolbars .....	4
Types of Toolbars .....	5
The TBARS Integration Process .....	9
TBARS Toolbar Demo Download .....	10
Browser Security Warnings .....	11
Toolbar Customization .....	13
Toolbar Attribute: Title .....	15
Toolbar Attribute: Width .....	16
Toolbar Attribute: Height .....	16
Toolbar Attribute: Border .....	18
Toolbar Attribute: Menu Name .....	19
Toolbar Attribute: Content URL .....	21
Toolbar Attribute: “Toolbar Loading” text and background color .....	22
Toolbar Attribute: “Toolbar Error” text and background color .....	22
Toolbar Attribute: Automatic Toolbar display after installation .....	23
TBARS Sample Content .....	24
Sample Content HTML .....	26
TBARS Toolbar API .....	29
Toolbar API: TBAR_RequestNavigate method .....	30
Toolbar API: TBAR_Refresh method .....	31
Toolbar API: TBAR_BackgroundColor attribute .....	32
Toolbar API: TBAR_ID attribute .....	33
Toolbar API: TBAR_BrowserDocument attribute .....	34
Toolbar API: TBAR_IsTBarWindow attribute .....	35
Toolbar API: TBAR_BrowserNavigated event .....	36
Toolbar API: TBAR_BrowserNavigatedDomain event .....	37
Toolbar Licensing Process .....	38
Toolbar Distribution and Installation .....	39
Standalone Installation Package .....	39
Remote Desktop Management .....	39
Internet Explorer™ Automatic Installation .....	39
Sample Toolbar Installation Page .....	41



## Introduction

Thank you for choosing TBARS Toolbars by Openbar, LLC!

This manual contains information pertaining to the installation, customization, and deployment of all TBARS Products.

If you have any questions or comments regarding TBARS products, please contact us through email at [support@tbars.com](mailto:support@tbars.com).

## TBARS Toolbars

TBARS Toolbars are toolbars for Microsoft Internet Explorer™ and the Microsoft Windows™ desktop that are easily customized for use with your web site or for integration with your browser based application.

A toolbar is an extension of your web site or browser based application that is available to your customer even when they are not using your product.

Unlike other toolbar products, with TBARS Toolbars, the content of the toolbar is actually a web page, created using standard HTML, that is loaded from your web server in exactly the same way that any web page is created and loaded from your web server.



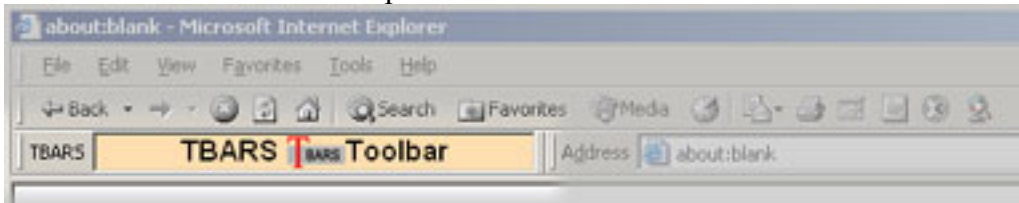
The benefits are clear...

- The look and feel of the toolbar is consistent with your current web site or browser based application and it is not limited to a fixed layout.
- All toolbar content is created using only standard HTML.
- The toolbar content is dynamically created and distributed by your existing web server and content generator.
- Session context information (cookies) can be shared between your web pages and the toolbar.
- The toolbar can use https and your existing SLL certificates for secure communication.

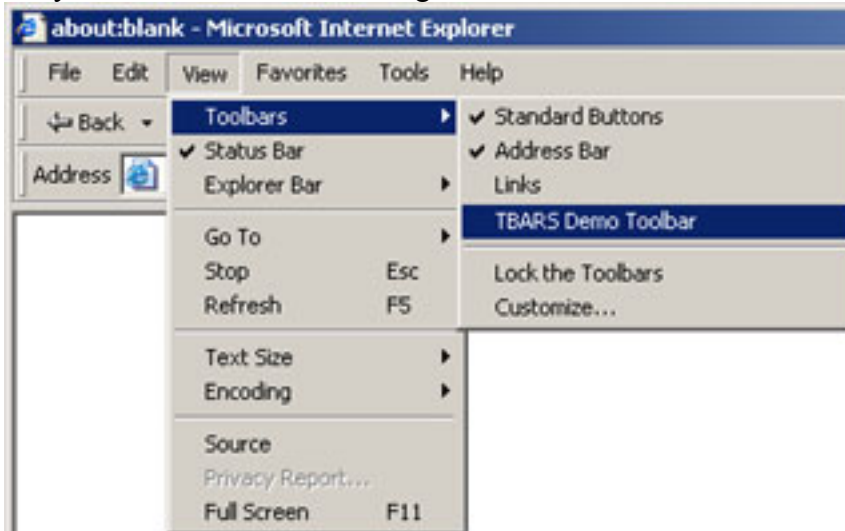
## Types of Toolbars

Four different TBARS toolbars are available – Toolbars, Vertical Explorer Bars, Horizontal Explorer Bars, and Desk Bars.

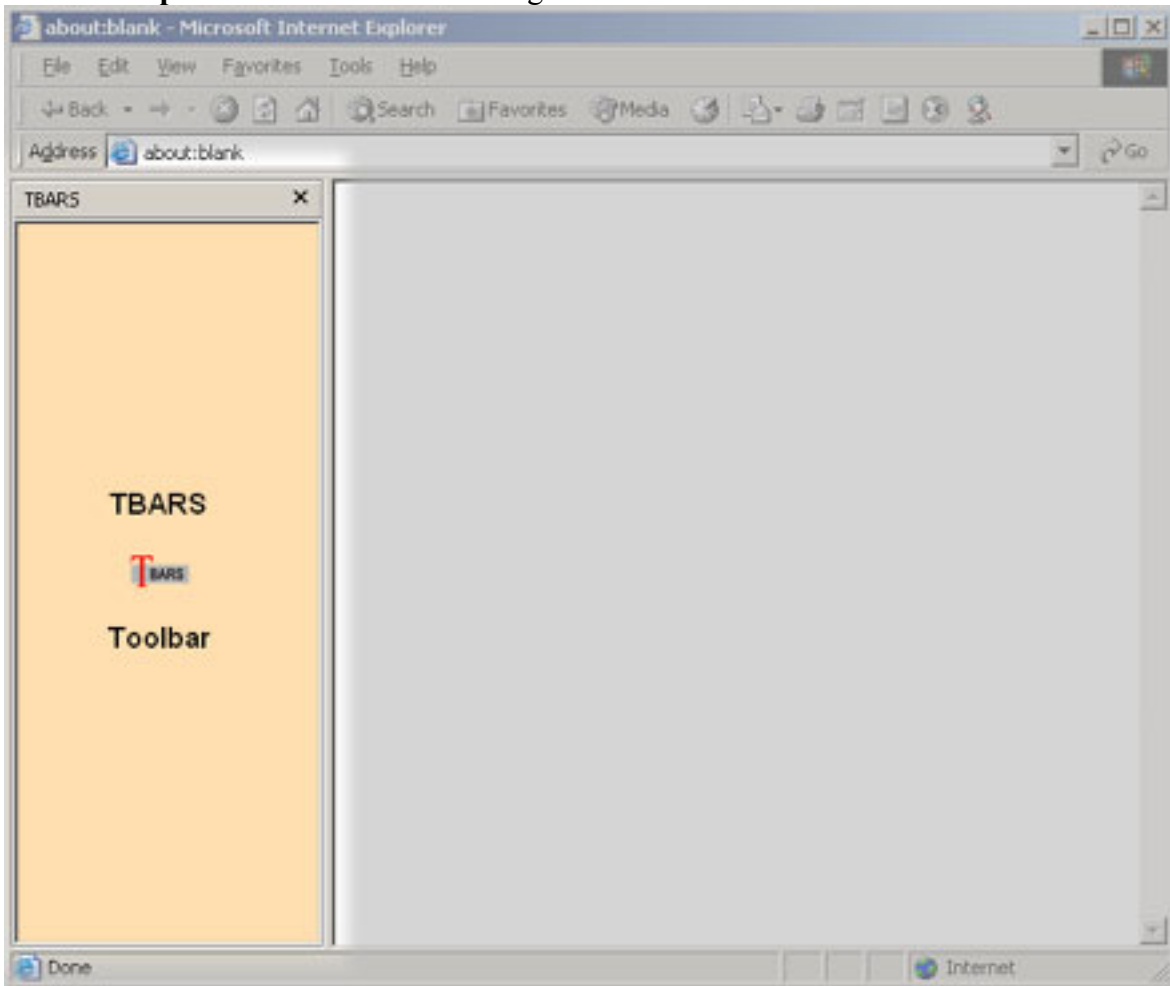
**Toolbars** are located at the top of the browser window...



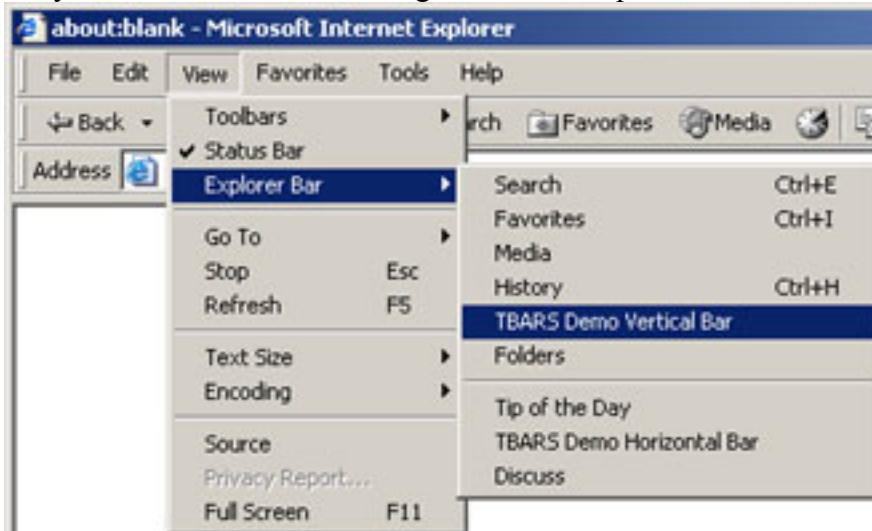
They are enabled/disabled through the View/Toolbars menu.



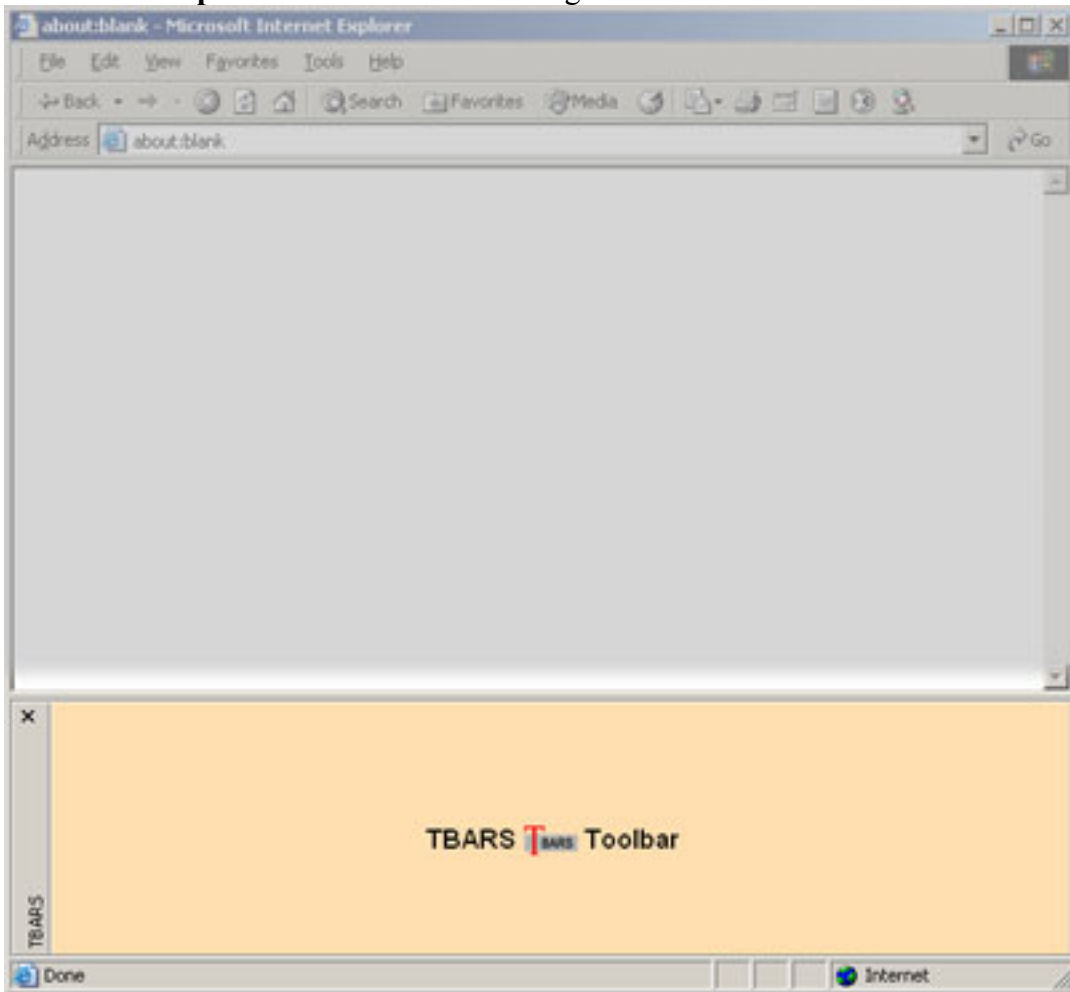
Vertical Explorer Bars are located along the left side of the browser window...



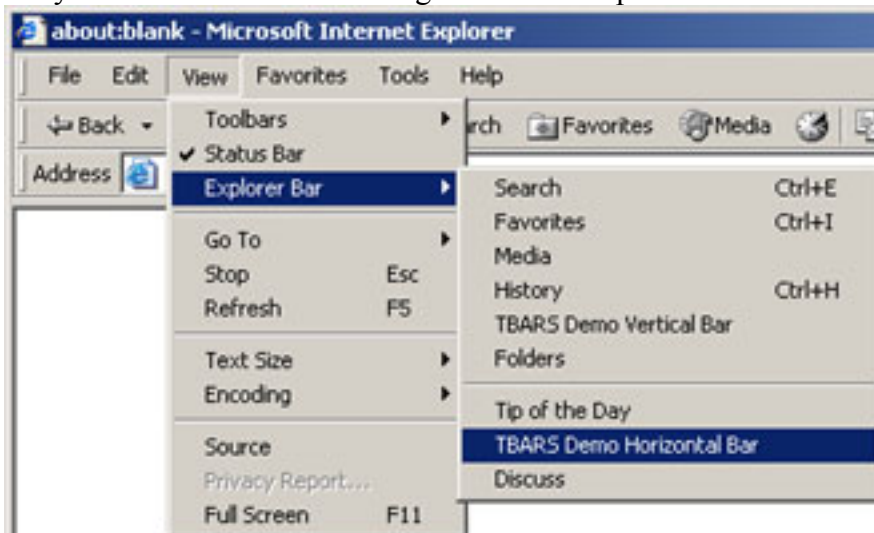
They are enabled/disabled through the View/Explorer Bar menu.



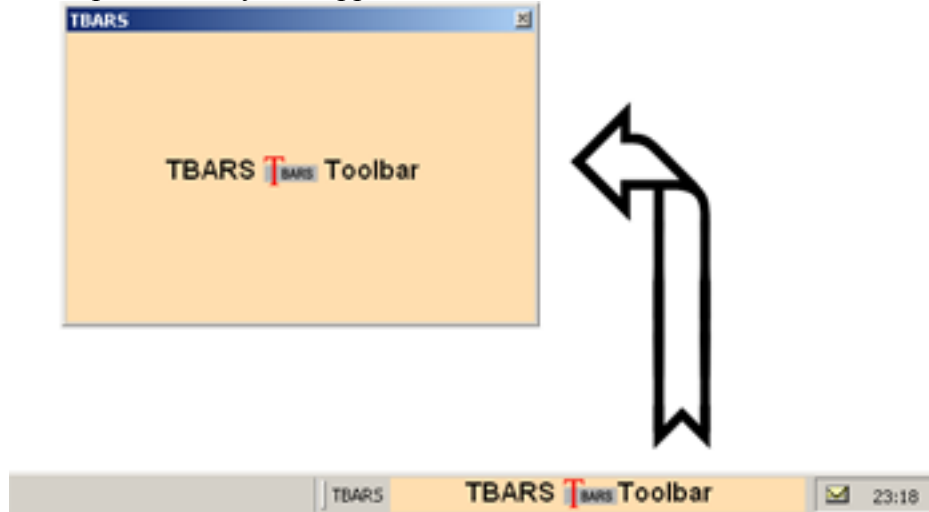
**Horizontal Explorer Bars** are located along the bottom of the browser window...



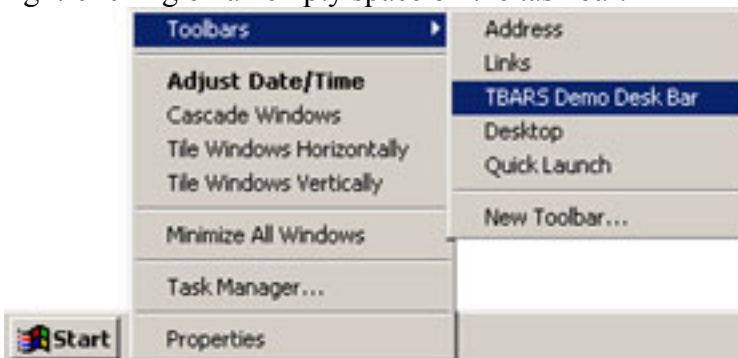
They are enabled/disabled through the View/Explorer Bar menu.



**Desk Bars** are located within the task bar of the desktop. They can be dragged onto the desktop where they will appear as a resizable window...



They are enabled/disabled through the task bar's Toolbars menu, which is accessed by right-clicking on an empty space on the task bar.







## The TBARS Integration Process

The process of integrating a TBARS Toolbar with your web site or web based application follows these simple steps:

### 1. Download a TBARS Demo Toolbar

Fully functional, customizable, demo versions of all TBARS Toolbars are available for download from the TBARS.COM web site.

### 2. Customize the Demo Toolbar

Through a special web page, you can customize the demo TBARS Toolbars so they display your toolbar content.

### 3. Create your toolbar content

Create your toolbar content using standard HTML.

### 4. License your customized Toolbar

Using your customized configuration of the demo TBARS Toolbar, we will build your TBARS Toolbar.

### 5. Package and distribute your customized Toolbar

Create a digitally signed installation package and distribute your TBARS Toolbar to your customers.

## TBARS Toolbar Demo Download

Fully functional, customizable demo versions of the TBARS Toolbars can be downloaded from the TBARS.COM web site.

You must be using Microsoft Internet Explorer™ to download the demo Toolbar.

Each version of the Toolbar Demo is packaged as a digitally signed .CAB file, which will be automatically downloaded and installed when you visit the following URLs:

### TBARS Toolbar Demo

[http://www.tbars.com/download\\_tbar.htm](http://www.tbars.com/download_tbar.htm)

### TBARS Vertical Explorer Bar Demo

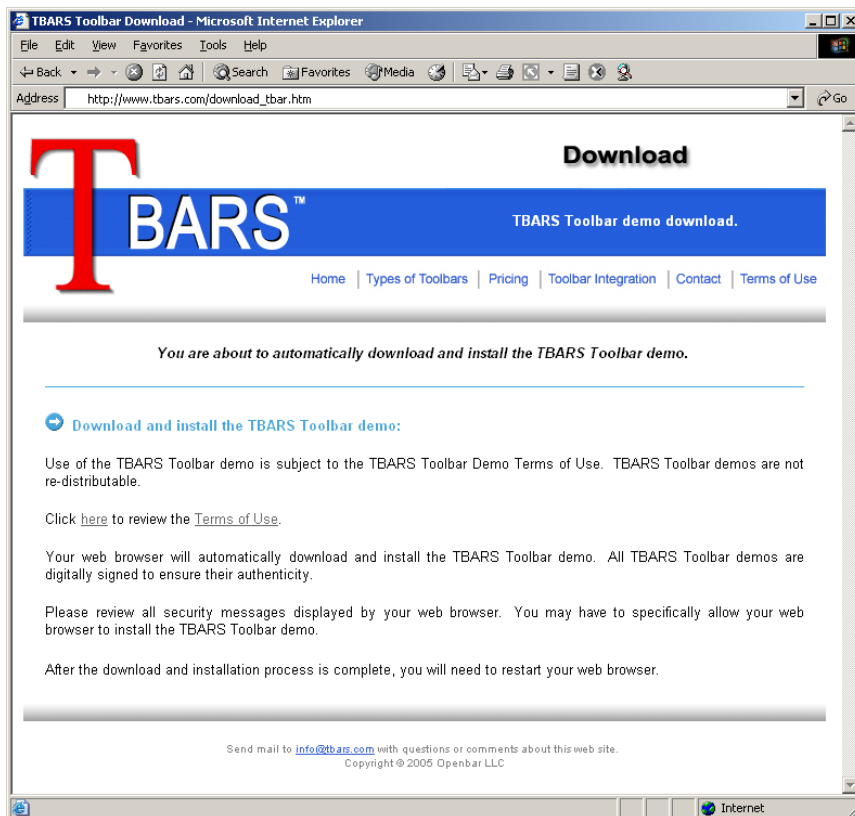
[http://www.tbars.com/download\\_vbar.htm](http://www.tbars.com/download_vbar.htm)

### TBARS Horizontal Explorer Bar Demo

[http://www.tbars.com/download\\_hbar.htm](http://www.tbars.com/download_hbar.htm)

### TBARS Desk Bar Demo

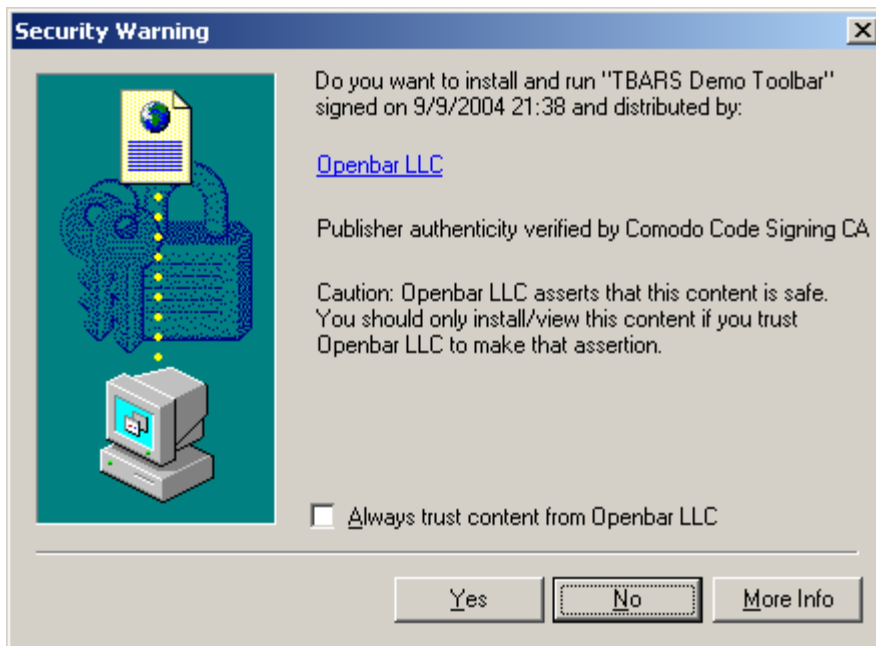
[http://www.tbars.com/download\\_dbar.htm](http://www.tbars.com/download_dbar.htm)



### Browser Security Warnings

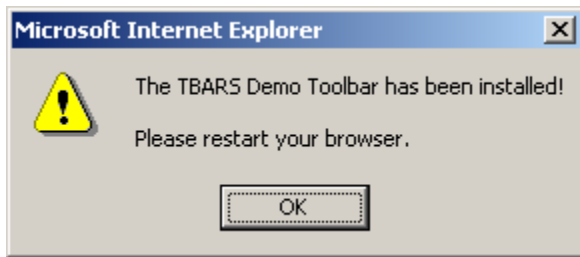
Based on your operating system, browser version, and browser security settings, you may be prompted to confirm the installation of the TBARS Toolbar. Each Toolbar download has been digitally signed by Openbar LLC.

If you are running Windows 2000™, Windows 98™, or Windows XP™, you may see the following dialog. **Click Yes to install the Toolbar:**



If you are running Windows XP™ with Service Pack 2 installed, you may receive additional prompts to allow the Toolbar to be installed.

After the successful installation of the Toolbar, the following dialog will be displayed:



After installing the TBARS Toolbar, the TBARS Horizontal Explorer Bar, or the TBARS Vertical Explorer Bar, you will need to restart your browser to view the Toolbar. After installing the TBARS Desk Bar, you will need to right click on the task bar and select the Toolbars menu.

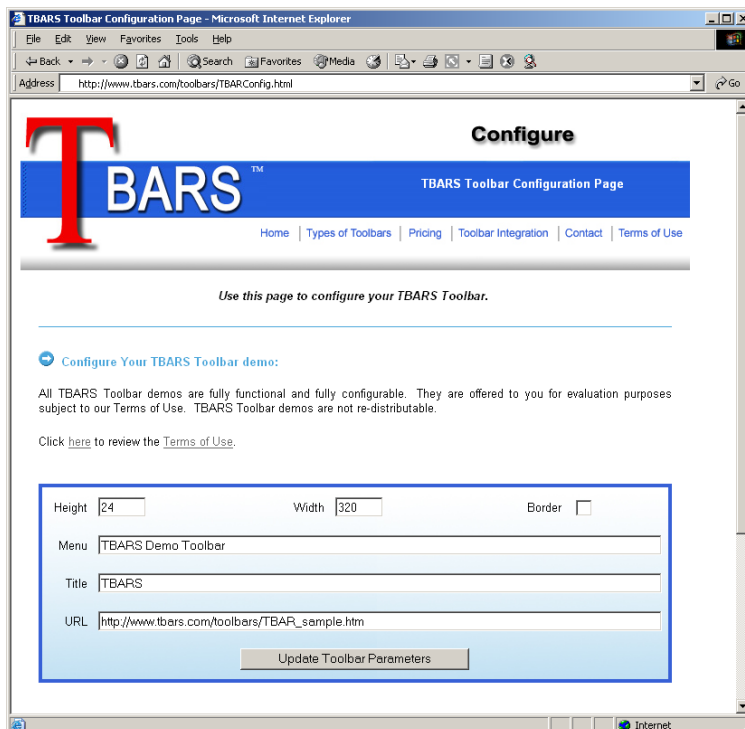
## Toolbar Customization

Many attributes of the Demo Toolbar are customizable. These include the following:

- [Title](#)
- [Menu Name](#)
- [Content URL](#)
- [Width](#)
- [Height](#)
- [Content Border](#)
- [“Toolbar Loading” text and background color](#)
- [“Toolbar Error” text and background color](#)
- [Automatic Toolbar display after installation](#)

The TBARS Demo Toolbars allow these attributes to be changed through a simple web page. These customizations will be used when your specific Toolbar is licensed and created. Once the specific Toolbar is licensed and created, these attributes cannot be changed.

When a TBARS Demo Toolbar is initially displayed, it will contain a link, which can be clicked to invoke a web page that is used to change the Toolbar’s customizable attributes. If the link is not clicked within 5 seconds, the demo Toolbar will display its actual content.



Configure

TBARS™ TBARS Toolbar Configuration Page

Home | Types of Toolbars | Pricing | Toolbar Integration | Contact | Terms of Use

Use this page to configure your TBARS Toolbar.

Configure Your TBARS Toolbar demo:

All TBARS Toolbar demos are fully functional and fully configurable. They are offered to you for evaluation purposes subject to our Terms of Use. TBARS Toolbar demos are not re-distributable.

Click [here](#) to review the [Terms of Use](#).

Height:  Width:  Border:

Menu:

Title:

URL:

Update Toolbar Parameters



Alternately, the following URLs can be invoked at any time to customize the Toolbar:

**TBARS Toolbar Demo**

<http://www.tbars.com/toolbars/TBARConfig.html>

**TBARS Vertical Explorer Bar Demo**

<http://www.tbars.com/toolbars/TBARConfigV.html>

**TBARS Horizontal Explorer Bar Demo**

<http://www.tbars.com/toolbars/TBARConfigH.html>

**TBARS Desk Bar Demo**

<http://www.tbars.com/toolbars/TBARConfigD.html>

After a Toolbar's, Vertical Explorer Bar's, or Horizontal Explorer Bar's customizable attributes are modified, the web browser must be restarted to see the changes. After a Desk Bar's customizable attributes are modified, the Desk Bar must be closed and then reopened to see the changes.

### Toolbar Attribute: Title

This is the Title of the Toolbar, which is displayed in the Toolbar as follows...

#### TBARS Toolbar



#### TBARS Horizontal Explorer Bar



#### TBARS Vertical Explorer Bar



#### TBARS Desk Bar (Taskbar / Window)



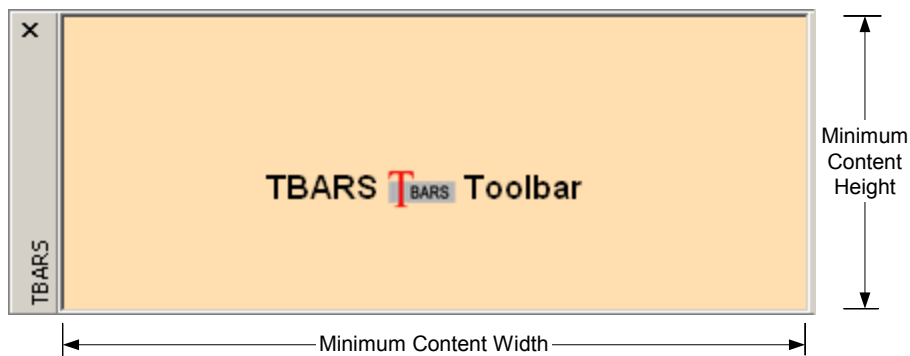
**Toolbar Attribute: Width****Toolbar Attribute: Height**

These attributes specify the minimum height and width of the toolbar content. These attributes should be specified so as to display an appropriately sized content area with the understanding that the size of the toolbar content area can be increased by the user.

For toolbar and desk bars, the user can increase the width of the content area. The height of the content area cannot be changed by the user.



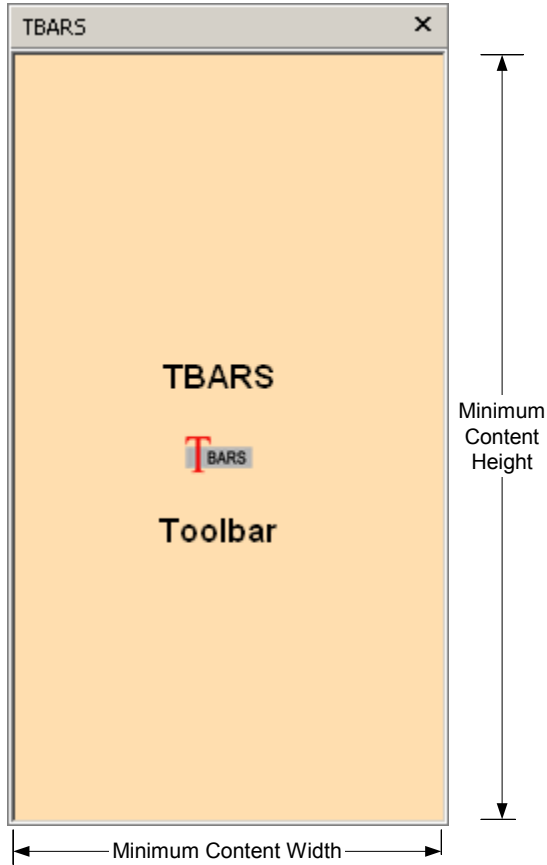
For vertical explorer bars and horizontal explorer bars, the user can increase the height and width of the content area. The user can resize the explorer bar to the extent that the entire explorer bar is not visible. However, the content area cannot be reduced to less than the specified height and width.







**Toolbar Attribute: Width**  
**Toolbar Attribute: Height**  
(continued)



**Toolbar Attribute: Border**

When the Border attribute is specified, the toolbar content will be displayed within an inset border. When the border attribute is not specified, a border will not be drawn around the toolbar content.

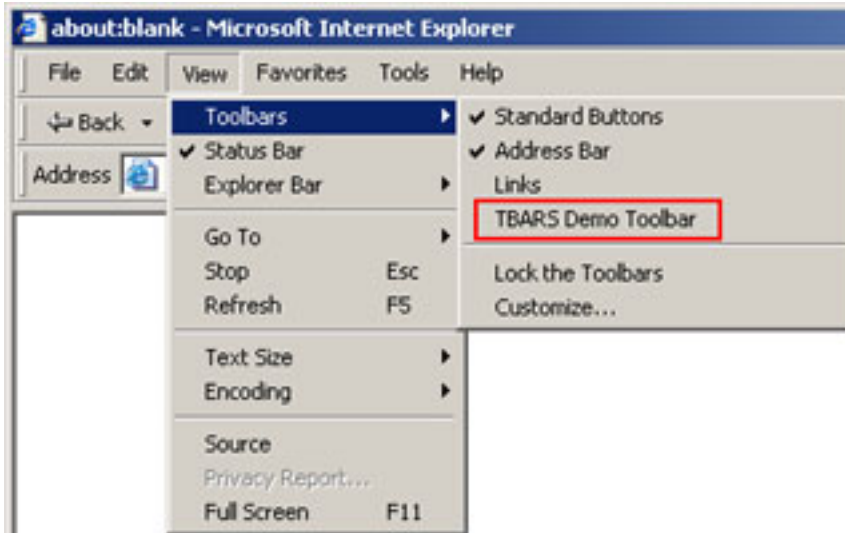
The border attribute does not affect the toolbar content height or width.



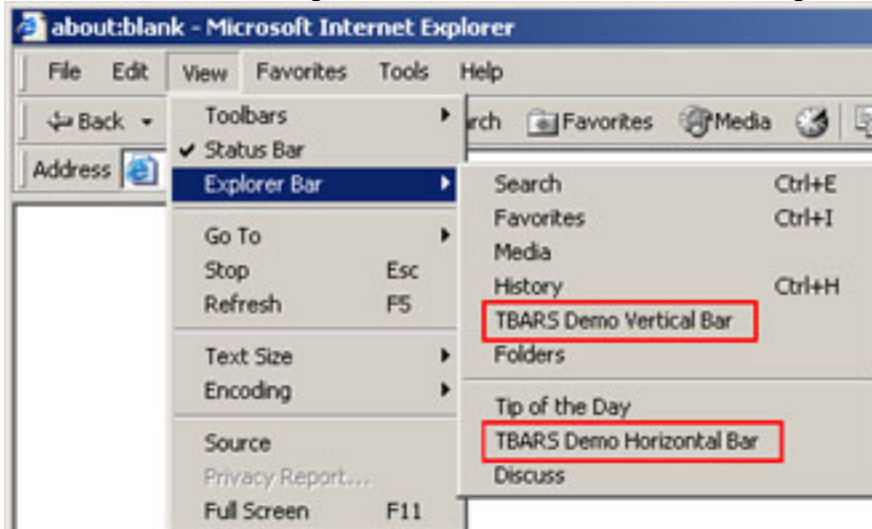
## Toolbar Attribute: Menu Name

This is the name that will be displayed in the Internet Explorer™ or Taskbar menu...

### TBARS Toolbar

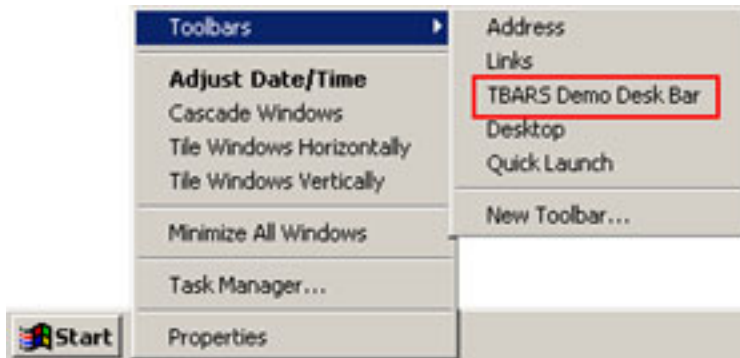


### TBARS Horizontal Explorer Bar and TBARS Vertical Explorer Bar



## Toolbar Attribute: Menu Name (continued)

### TBARS Desk Bar





### **Toolbar Attribute: Content URL**

This is the URL that will be loaded inside the content area of the toolbar. This must be a fully formed URL that references a HTML document. http and https protocols are supported.

The following are the default URLs used by the Demo TBARS Toolbars.

#### **TBARS Toolbar Demo**

[http://www.tbars.com/toolbars/TBAR\\_sample.htm](http://www.tbars.com/toolbars/TBAR_sample.htm)

#### **TBARS Vertical Explorer Bar Demo**

[http://www.tbars.com/toolbars/VBAR\\_sample.htm](http://www.tbars.com/toolbars/VBAR_sample.htm)

#### **TBARS Horizontal Explorer Bar Demo**

[http://www.tbars.com/toolbars/HBAR\\_sample.htm](http://www.tbars.com/toolbars/HBAR_sample.htm)

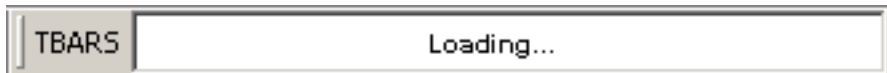
#### **TBARS Desk Bar Demo**

[http://www.tbars.com/toolbars/DBAR\\_sample.htm](http://www.tbars.com/toolbars/DBAR_sample.htm)

**Toolbar Attribute: “Toolbar Loading” text and background color****Toolbar Attribute: “Toolbar Error” text and background color**

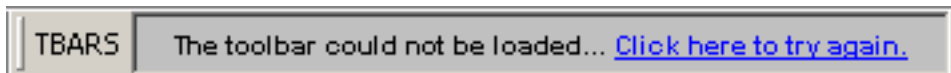
These attributes specify the text and color of messages that are displayed within the toolbar content area while the toolbar is loading its actual content and when the toolbar encounters an error while trying to load its actual content.

These attributes cannot be specified with the Demo Toolbar. They are specified when the customized toolbar is licensed and created.



Since toolbar content is loaded from a web server, many factors may cause an error when the toolbar attempts to load its actual content. These include network connectivity problems or web server problems.

Typically, the “Toolbar Error” text will be displayed as a link or in conjunction with a button that will allow the user to attempt a reload of the actual toolbar content.





**Toolbar Attribute: Automatic Toolbar display after installation**

This attribute specifies whether the Toolbar will automatically display itself the first time the Browser is reopened after the toolbar has been installed.

This attribute is only applicable to Toolbars, Horizontal Explorer Bars, and Vertical Explorer Bars. It cannot be specified with the Demo Toolbar.

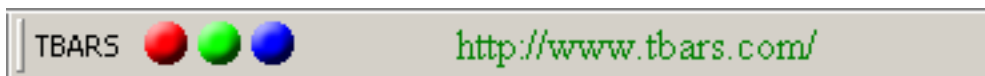
This attribute cannot be specified with the Demo Toolbar. It is specified when the customized toolbar is licensed and created.

## TBARS Sample Content

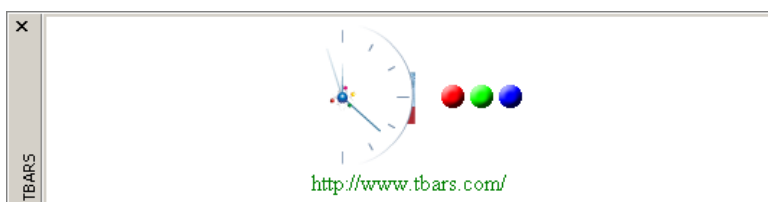
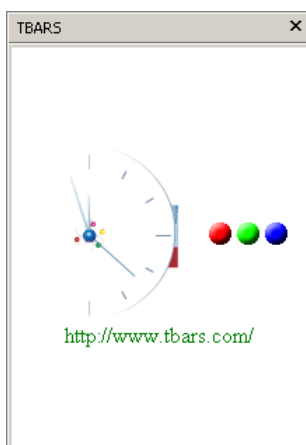
When a Demo Toolbar is first installed, the content URL will point to a sample toolbar that demonstrates the toolbar's features including the following:

- Creating a simple layout consisting of images, text, and animations.
- Using the current system background color.
- Controlling the navigation of the main browser window.
- Handling navigation events from the main browser window.

The Toolbar sample will display 3 navigation buttons and the current main browser window URL. The URL will be displayed in green if the main browser window navigates to the same domain as the toolbar content (tbars.com). The toolbar will use the current system background color.



The Horizontal and Vertical Explorer Bar samples will display a clock animation, 3 navigation buttons and the current main browser window URL. The URL will be displayed in green if the main browser window navigates to the same domain as the toolbar content (tbars.com).

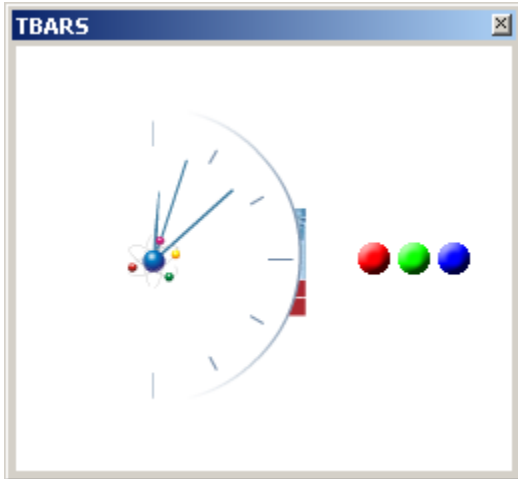




When displayed in the task bar, the Desk Bar sample will display 3 navigation buttons and use the current system background color.



When displayed as a desktop window, it will also display a clock animation and 3 navigation buttons.





## Sample Content HTML

The Toolbar sample was built using the following HTML. This sample can be used as the basis for any toolbar content. The toolbar samples can be viewed by navigating to the URLs described in the [Toolbar Attribute: Content URL](#) section of this document.

```
<html>
<head>
  <title>TBARS Toolbar Test</title>
  <script language="javascript">
    /*
    This demonstrates the use of TBAR_RequestNavigate.
    This will navigate the main browser window to the specified URL.
    */

    function OpenURL(URL)
    {
      window.external.TBAR_RequestNavigate(URL);
    }

    /*
    This demonstrates the use of TBAR_BackgroundColor.
    This will return the current system background color.
    * Applicable to Toolbars and Desk Bars.
    * Explorer bars will return #ffffff (white).
    */

    function GetBGColor()
    {
      return window.external.TBAR_BackgroundColor;
    }

    /*
    This demonstrates the TBAR_BrowserNavigated callback.
    This is used to receive notification that the main browser window has been navigated.
    * This is an advanced feature which is available upon request.
    * Not applicable to Desk Bars.
    */

    function TBAR_BrowserNavigated(URL)
    {
      browserurl.innerHTML = "<font color='red'>" + URL + "</font>";
    }
  </script>
</head>
<body>
  <div id="TBARS_Toolbar" style="border: 1px solid black; padding: 5px; width: 200px; height: 20px; display: flex; align-items: center; justify-content: center;">
    <span style="font-size: 1.2em; font-weight: bold; cursor: pointer; padding: 0 10px;">Home
    <span style="font-size: 1.2em; font-weight: bold; cursor: pointer; padding: 0 10px;">Back
    <span style="font-size: 1.2em; font-weight: bold; cursor: pointer; padding: 0 10px;">Forward
    <span style="font-size: 1.2em; font-weight: bold; cursor: pointer; padding: 0 10px;">Stop
    <span style="font-size: 1.2em; font-weight: bold; cursor: pointer; padding: 0 10px;">Refresh
    <span style="font-size: 1.2em; font-weight: bold; cursor: pointer; padding: 0 10px;">Print
  </div>
</body>
</html>
```



```
/*
This demonstrates the TBAR_BrowserNavigatedDomain callback.
This is used to receive notification that the main browser window has been navigated within the
same domain as the toolbar content.
* This is an advanced feature which is available upon request.
* Not applicable to Desk Bars.
*/

function TBAR_BrowserNavigatedDomain(URL)
{
    browserurl.innerHTML = "<font color='green'>" + URL + "</font>";
}

/*
This demonstrates the use of TBAR_IsTBarWindow.
This is used to determine if a Desk Bar is being displayed in the task bar or if it is being
displayed in a window on the desktop.
*/

function GetToolbarWindow()
{
    return window.external.TBAR_IsTBarWindow;
}

/*
This demonstrates the use of TBAR_ID.
This is used to get the version of the installed toolbar.
*/

function CheckID()
{
    var CURR_VER = "1,1,0,0";
    var ver = window.external.TBAR_ID;

    if (ver != null) {
        if (ver == CURR_VER)
            return;
    }
    alert ("A new version of the TBARS Toolbar is available.");
    OpenURL ("http://www.tbars.com/download_tbar.htm");
}

/*
This is helpful to prevent the content from being scrolled by the user if the page layout extends
beyond the toolbar height.
*/

function scrolled()
```



```
{
    scrollTo(0,0);
}

</script>
</head>

<!--
Create the toolbar content here.
We trap the onscroll event to prevent scrolling in case the page layout extends beyond the toolbar height.
We trap the onload event to make sure that the most current version of the TBAR toolbar is installed.
-->

<body id="body" onscroll="javascript:scroll()" scroll="no" nowrap="true" onload="javascript:CheckID()" style="margin-left: 0; margin-right: 0; margin-top: 0; margin-bottom: 0">
<table border="0" width="100%" height="100%" cellspacing="0" cellpadding="0">
<tr>
<td width="100%" align="center" height="100%" nowrap>

<!--
The content consists of 3 buttons which will navigate to the TBARS.COM website.
A <span> element is used to display the URL currently displayed in the main browser window.
-->




<span style="width: 250px; text-overflow: ellipsis; overflow: hidden; vertical-align: middle"
id="browserurl"></span> </td>
</tr>
</table>
<script>
/*
Get the system background color from the toolbar.
*/
document.body.backgroundColor=GetBGColor()
</script>
</body>
</html>
```



## TBARS Toolbar API

The TBARS Toolbar API is used within your toolbar's HTML content to control the main browser window, to get information about the current browser environment, to (optionally) get information about the web page currently displayed in the main browser window, and to receive main browser window navigation notifications from the browser.

### [TBAR\\_RequestNavigate method](#)

Causes the main browser window to navigate to the requested URL.

### [TBAR\\_Refresh method](#)

Causes the Toolbar to refresh its content.

### [TBAR\\_BackgroundColor attribute](#)

Gets the system toolbar background color.

### [TBAR\\_ID attribute](#)

Gets the Toolbar version id.

### [TBAR\\_BrowserDocument attribute](#)

Gets the document object for the main browser window. This feature is only available on request.

### [TBAR\\_IsTBarWindow attribute](#)

Gets the current display state of a Desk Bar – if it is being displayed as a floating window as opposed to being displayed in the task bar. This feature is only applicable to Desk Bars.

### [TBAR\\_BrowserNavigated Event](#)

Notifies your toolbar content when the main browser window has navigated to a new URL. This feature is only available on request.

### [TBAR\\_BrowserNavigatedDomain Event](#)

Notifies your toolbar content when the main browser window has navigated to a new URL within the same domain as the toolbar content. This feature is only available on request.



### **Toolbar API: TBAR\_RequestNavigate method**

Call this method as a result of a user interaction with the toolbar to cause a web page to be displayed in the main browser window or to launch a desktop application.

#### **Syntax:**

For Toolbars, Horizontal Explorer Bars, and Vertical Explorer Bars

```
window.external.TBAR_RequestNavigate(URL)
```

For Desk Bars

```
window.external.TBAR_RequestNavigate(document)
```

#### **Description:**

For Toolbars, Horizontal Explorer Bars, and Vertical Explorer Bars, invoking the **TBAR\_RequestNavigate** method will cause the main browser window to navigate to the specified URL.

For Desk Bars, invoking the **TBAR\_RequestNavigate** method will cause the specified document to be launched. If the document specifies a URL, then a new web browser window will be launched. If the document specifies a file, then the associated application will be launched. If the document specifies an executable file, then the executable will be launched.



### **Toolbar API: TBAR\_Refresh method**

Call this method to refresh the toolbar's content to its content URL.

#### **Syntax:**

```
window.external.TBAR_Refresh
```

#### **Description:**

Causes the Toolbar to refresh its document.

### Toolbar API: **TBAR\_BackgroundColor** attribute

Used to determine the system's toolbar background color, which can then be used as the toolbar content's background color.

#### Syntax:

```
bgColor = window.external.TBAR_BackgroundColor
```

#### Description:

The Toolbar content can use the **TBAR\_BackgroundColor** attribute to set its background color to match the system's background color. For example:

This Toolbar content contains 3 button images displayed against a black background. In this case, the Toolbar border configuration option has also been enabled.



This Toolbar content contains 3 button images displayed against a background that has been set using the Toolbar's **TBAR\_BackgroundColor** attribute. In this case, the Toolbar border configuration option has been disabled.



Please note that Windows XP utilizes a Visual Style Manager, which is capable of displaying system toolbar backgrounds using a gradient color scheme. In this case the **TBAR\_BackgroundColor** attribute will indicate an average background color, which may not precisely match the actual system background color.





### **Toolbar API: TBAR\_ID attribute**

Used to determine the TBARS Toolbar product version.

#### **Syntax:**

```
TBARID = window.external.TBAR_ID
```

#### **Description:**

The Toolbar ID attribute can be used to determine if the currently installed TBARS Toolbar product is the most up-to-date version. As a result of this verification, the toolbar content may wish to indicate that an upgrade is necessary and navigate the main browser window to an update page.



### **Toolbar API: TBAR\_BrowserDocument attribute**

Used to get the document object from the main web browser window. This attribute is only available upon request in conjunction with the **TBAR\_BrowserNavigatedDomain** event.

Applicable to Toolbars, Horizontal Explorer Bars, and Vertical Explorer Bars.

Not supported by Desk Bars.

### **Syntax:**

```
mainDocument = window.external.TBAR_BrowserDocument
```

### **Description:**

The **TBAR\_BrowserDocument** attribute can be used to retrieve the document object that is being displayed in the main web browser window. Through this document object, the Toolbar content can directly access and manipulate the content of the main web browser window.

This feature is enabled within the TBARS Demo Toolbars for evaluation purposes. When your customized toolbar is created, this feature will only be enabled upon request.



**Toolbar API: TBAR\_IsTBarWindow attribute**  
(Desk Bars Only)

**Syntax:**

```
isWindow = window.external.TBAR_IsTBarWindow
```

**Description:**

The **TBAR\_IsTBarWindow** attribute can be used to determine if a Desk Bar is being displayed in the Windows Task Bar or as a window on the desktop. Based on this, the Desk Bar content can display itself in an appropriate manner.



### **Toolbar API: TBAR\_BrowserNavigated event**

This event is fired by the toolbar after the main browser navigates to a URL.

Applicable to Toolbars, Horizontal Explorer Bars, and Vertical Explorer Bars.

Not supported by Desk Bars.

#### **Syntax:**

```
function TBAR_BrowserNavigated(URL)
```

#### **Description:**

The **TBAR\_BrowserNavigated** event is fired by the toolbar to indicate that the main browser window has been navigated to a new URL. The URL is specified as a parameter to the function.

This can be used to alter the display of the toolbar content based on the URL that is currently being viewed in the main browser window.

This feature is enabled within the TBARS Demo Toolbars for evaluation purposes. When your customized toolbar is created, this feature will only be enabled upon request.



### **Toolbar API: TBAR\_BrowserNavigatedDomain event**

This event is fired by the toolbar after the main browser navigates to a URL that is in the same domain as the toolbar content.

Applicable to Toolbars, Horizontal Explorer Bars, and Vertical Explorer Bars.

Not supported by Desk Bars.

#### **Syntax:**

```
function TBAR_BrowserNavigatedDomain(URL)
```

#### **Description:**

The **TBAR\_BrowserNavigatedDomain** event is fired by the toolbar to indicate that the main browser window has been navigated to a new URL that has the same domain as the toolbar content. The URL is specified as a parameter to the function.

This can be used to alter the display of the toolbar content based on the URL that is currently being viewed in the main browser window.

This feature is enabled within the TBARS Demo Toolbars for evaluation purposes. When your customized toolbar is created, this feature will only be enabled upon request.



## Toolbar Licensing Process

The TBARS Demo Toolbar may be used for evaluation purposes only – it may not be redistributed. In order to distribute a toolbar for actual use with your product, you must license a customized toolbar. You will receive a toolbar that incorporates your customizations, which can, then, be redistributed.

Please contact [sales@tbars.com](mailto:sales@tbars.com) for more information on the TBARS Toolbar licensing process.



## Toolbar Distribution and Installation

TBARS Toolbars are distributed as a single OLE/COM .DLL file, which must be copied to each user's computer and then registered.

### Standalone Installation Package

There are many off-the-shelf utilities that can be used to create a .EXE file which can be downloaded and run to install the .DLL file on the user's machine and perform the OLE/COM registration.

### Remote Desktop Management

Within a corporate environment, remote desktop management utilities can be used to push the .DLL file to user's machines and perform the OLE/COM registration.

### Internet Explorer™ Automatic Installation

By embedding special tags within a web page, Internet Explorer can automatically download, install, and register the .DLL file when a user visits a web page. This is the method used by the TBARS Toolbar Demo. This method requires a code signing certificate and uses the Microsoft Cabinet Software Development Kit. More information can be found at <http://msdn.microsoft.com/workshop/components/activex/packaging.asp>.

The following steps can be followed to utilize this method:

1. Using a text editor, create a .INF file which will be used by Internet Explorer during the installation process. The file should be given the same name as your customized toolbar. For example MYWEBTBAR.INF. The contents of the .INF file should be as follows. Substitute the name of your .DLL file:

```
[Version]
Signature="$CHICAGO$"
AdvancedINF=2.0

[Setup Hooks]
AddToRegHook=AddToRegHook

[Add.Code]
MYWEBTBAR.dll=MYWEBTABR.dll

[MYWEBTBAR.dll]
file=thiscab
FileVersion=1,0,0,4

[AddToRegHook]
InfSection=DefaultInstall

[DefaultInstall]
AddReg=AddToRegistry

[AddToRegistry]
```



2. Using the cabarc.exe utility, create a .CAB file, which incorporates the toolbar .DLL file and the .INF file. The .CAB file should be given the same name as your customized toolbar. For example MYWEBTBAR.CAB

```
cabarc N MYWEBTBAR.cab MYWEBTBAR.inf MYWEBTBAR.dll
```

3. Using the signcode.exe utility, sign the .CAB file using your code signing certificate. If you do not have a code signing certificate, more information can be found at [http://msdn.microsoft.com/library/default.asp?url=/library/en-us/vccore/html/vccore\\_Getting\\_a\\_Software\\_Publisher\\_Certificate.asp](http://msdn.microsoft.com/library/default.asp?url=/library/en-us/vccore/html/vccore_Getting_a_Software_Publisher_Certificate.asp).

```
signcode -spc mycert.spc -v mycert.pvk -n "MYWEBTBAR Toolbar" -t  
http://timestamp.verisign.com/scripts/timestamp.dll MYWEBTBAR.cab
```

At this point, the .CAB file will be signed and it is now ready to be distributed from your web site.

4. Create a Toolbar Download web page. Within the web page, place the following, which will initiate the automatic download and installation of your toolbar. The classid attribute will be supplied and will be specific to your toolbar:

```
<object classid="clsid:5147B781-7D1D-46e0-9C2E-6F510CC2F8A6"  
codebase="MYWEBTBAR.cab#version=1,1,0,0" id="TBARIDObj" width="0"  
height="0">
```

You can refer to the source of the [TBARS Demo Toolbar download page](#) or the following sample for more details:





## Sample Toolbar Installation Page

```
<html>
<head>
  <title>Toolbar Installation</title>
</head>
<script language="javascript">
  <!-- This version id be supplied with your toolbar -->
  var CURR_VER = "1,1,0,0";

  <!-- This will compare the id of the installed toolbar with the correct version id -->
  <!-- A message will be displayed based on the result -->
  function CheckID()
  {
    if (document.TBARIDObj != null) {
      var ver = document.TBARIDObj.TBARS_ID;
      if (ver != null) {
        if (ver == CURR_VER) {
          document.TBARIDObj.TBARS_SetVisible();
          alert ("The toolbar has been installed!\n\nPlease restart your browser.");
        }
        else
          alert ("The wrong version of the toolbar is installed.");
        return;
      }
    }
    alert ("The toolbar was not installed.");
  }
</script>

<!-- After the page loads, check to see if the correct toolbar version has been installed -->
<body bgcolor="#000000" scroll="no" onload="javascript:CheckID()">
  <center>Toolbar Installation Page</center>

  <!-- The following object tag will download and install the toolbar -->
  <!-- The classid and version will be supplied with your toolbar -->
  <!-- The .CAB file should be replaced with the .CAB file that you created -->
  <object classid="clsid:5147B781-7D1D-46e0-9C2E-6F510CC2F8A6" codebase="TBARSDemo.cab#version=1,1,0,0"
    id="TBARIDObj" width="0" height="0"></object>

</body>
</html>
```