

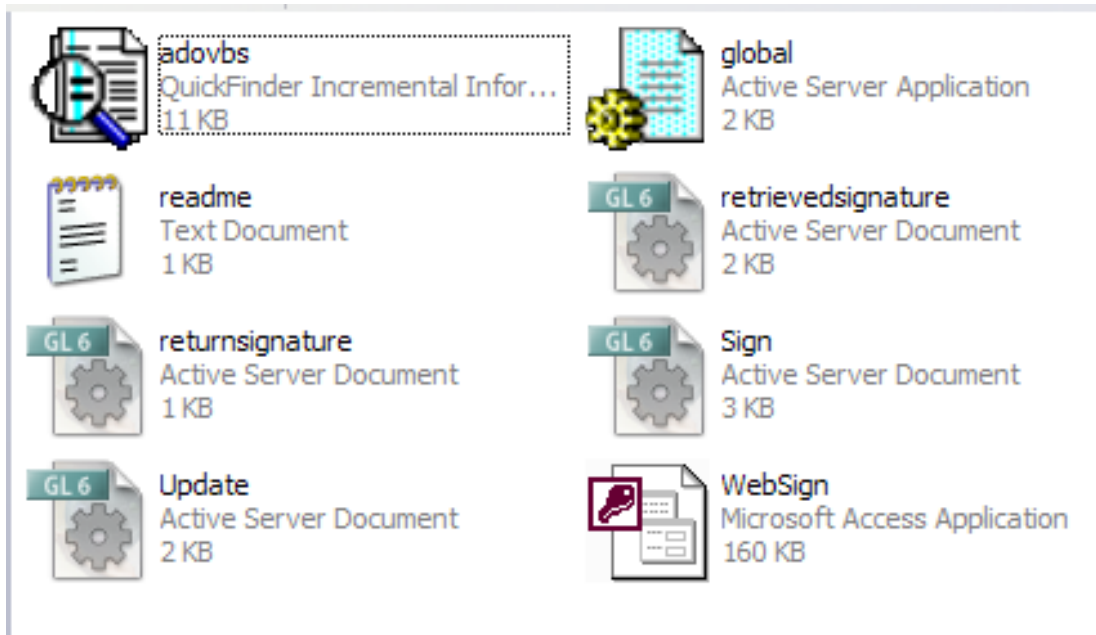
Topaz Systems, Inc.  
WebSign 3 Simple Demo How-To

Topaz Systems, Inc.  
650 Cochran Street, Unit 6  
Simi Valley, CA, 93065  
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[www.topazsystems.com](http://www.topazsystems.com)  
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The WebSign 3 Simple Demo is an easy to use demo that illustrates how developers can integrate the robust signature capture capability offered by SigPlus into Active Server Pages and web based database technology. For proper functionality, SigPlus ActiveX will need to be installed on the client machine. *This document is meant for developers with a comprehensive understanding of HTML, VBscript, and Active Server Pages, not for the lay end user.*

After downloading the WebSign3 files from <http://www.topazsystems.com/Software/WebSign3.zip>, unzip the files from the zipped directory 'aspsimpleexample'. There will be a number of files unzipped.



All of these files need to be uploaded into the server. The **adobvs.inc** file is a list of variables used with Microsoft Access that must be there for the database to work correctly. The **global.asa** file serves as a place where session variables (those variables that can hold info from the client to the server) are created, and objects to be used are referenced. The **readme.txt** is simply the most basic directions on what ASP's to use and in what order for the demo to function correctly. The **WebSign.mdb** is the Access database that stores the signature data. The remaining files are Active Server Documents. These are the pages that the demo works through and will be discussed in detail below.

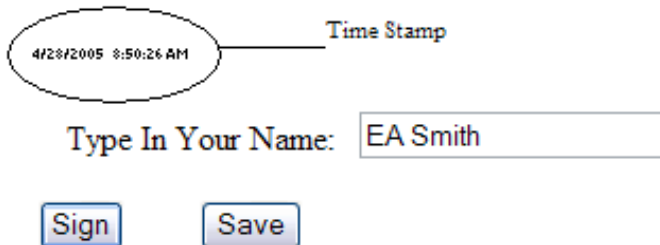
## Sign.asp



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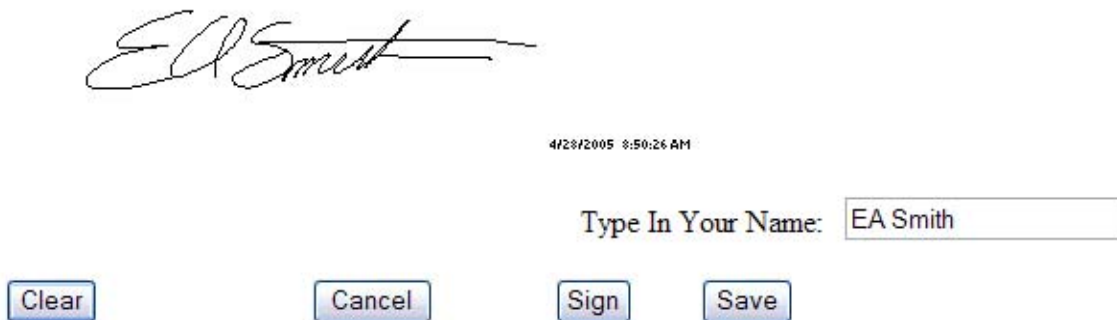
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A screenshot of the WebSign 3 interface. At the top, there is a time stamp "4/28/2005 8:50:26 AM" enclosed in an oval, with a line pointing to the text "Time Stamp". Below this is a text input field labeled "Type In Your Name:" containing the text "EA Smith". At the bottom of the form are two buttons: "Sign" and "Save".

Once the Time Stamp appears sign on the Topaz signature capture tablet. As the user is signing the tablet the signature will appear in real time on the page. If the user wishes to end the signing instance they can simply click 'Cancel' or, if they are not satisfied with their signature they can click 'Clear' and sign again. Once the signature is completed it will look something like this:



A screenshot of the WebSign 3 interface showing a completed signature. The signature "EA Smith" is written in cursive above a horizontal line. Below the signature is a time stamp "4/28/2005 8:50:26 AM". Below the time stamp is a text input field labeled "Type In Your Name:" containing the text "EA Smith". At the bottom of the form are four buttons: "Clear", "Cancel", "Sign", and "Save".

Once the signature is complete, the user will click 'Save'. This will post the signature to the server and open the Update page.

## Update.asp

The update page runs server side, once the user chooses to save and post their signature. What the updates page essentially does is add the new record to the specified table in the WebSign database that is located on the server. Update.asp differs from Sign in that it contains the ASP code that is needed to perform the necessary server side functions (marked by the <% and %> tags). This code is responsible for adding the record then requesting the name, sig data, date and time from the server and then displaying it on the

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resulting client page. Additionally, Update also returns an id number that the user will later use to retrieve their signature record. The ASP code can be seen below:

```
<%  
Dim cnSignature  
Dim rsSignature  
  
Set cnSignature = CreateObject( "ADODB.Connection" )  
Set rsSignature = CreateObject( "ADODB.Recordset" )  
  
with cnSignature  
  .Provider = "Microsoft.Jet.OLEDB.4.0"  
  .ConnectionString = "Data Source = " & Server.MapPath ("/websignsimple/websign.mdb")  
  .Open  
End with  
  
rsSignature.CursorType = 1  
rsSignature.LockType = 3  
  
rsSignature.Open "SELECT * FROM Contracts", cnSignature, 1, 3  
  
rsSignature.AddNew  
rsSignature( "Name" ) = Request.Form("NameField")  
rsSignature( "Signature" ) = Request.Form("SigField")  
rsSignature( "DateTime" ) = Request.Form("DTStamp")  
rsSignature.Update  
Session("sigStr")=Request.Form("SigField")  
Session("dateTimes")=Request.Form("DTStamp")  
%>
```

When loaded into the server and ran the page will open with the signature, id number, date, time, and name and should look something like this:

Links  Toshiba Access  Customize Links  Free Hotmail  My Yahoo!



4/28/2005 8:50:26 AM

Here's your ID, EA Smith

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Its important to  
remember this  
number to retrieve  
the saved signature

Here's the Date/Time of your signature: 4/28/2005 8:50:26 AM

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Once the Update page is opened the signature data is saved in the server, the user must simply remember their user ID, which will be needed to retrieve the saved signature.

## returnsignature.asp

The returnsignature page is where users can go to retrieve their signature record. This page contains a simple form that will ask for the user's ID number and have a submit button. The code for this page is very simple and once again makes use of the POST command as with the Sign page.

```
<BODY>  
<FORM action="retrievedsignature.asp" id=FORM1 method=post name=FORM1>  
<FONT COLOR='#666699'><h2>Return Signature For Viewing</h2></Font><BR><B  
<h4>Enter your existing ID here to return the stored signature:&nbsp;&nbsp;&nbsp;&nb  
<INPUT id=IDField name=IDField></P>  
<INPUT id=button1 name=DoneBtn type=button value=Submit language ="VBScr  
style="BACKGROUND-COLOR: #666699; COLOR: white; FONT: bold 8pt verdana"  
onmouseout="window.event.srcElement.style.background = '#666699'"
```

When loaded onto the server, this is how the returnsignature page will appear:



**Return Signature For Viewing**

**Enter your existing ID here to return the stored signature:**

Here, simply enter the ID number that was given by the Update page and click Submit. The ID number is then posted to the retrievedsignature.asp page for lookup in the database. If you specify an ID number that hasn't been assigned to a record by WebSign then an error page will be generated.

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ADODB.Field error '80020009'

Either BOF or EOF is True, or the current record has been deleted. Requested operation requires a current record.

/websignsimple/retrievedsignature.asp, line 47

If the record is valid and assigned to a record then the retrievedsignature.asp page will be loaded.

### retrievedsignature.asp

The retrievedsignature page receives the ID number, and uses it to look up the corresponding record, retrieve the signature from the database, and send it back to the client for viewing. This page contains ASP code that is virtually the same as what can be found on the Update page (see above) that displays the signature information.

```
<%  
Dim valID, strName, strDTStamp, sigStr, dateTimes  
valID = Request.Form("IDField")  
  
Dim cnSignature  
Dim rsSignature  
  
Set cnSignature = CreateObject( "ADODB.Connection" )  
Set rsSignature = CreateObject( "ADODB.Recordset" )  
  
With cnSignature  
    .Provider = "Microsoft.Jet.OLEDB.4.0"  
    .ConnectionString = "Data Source =" & Server.MapPath ("/websignsimple/webSign.mdb")  
    .Open  
End with  
  
rsSignature.CursorType = 1  
rsSignature.LockType = 3  
  
Response.write(valID)  
rsSignature.Open "SELECT * FROM Contracts WHERE ID=" & valID, cnSignature, 1, 3  
  
Session("strName") = rsSignature( "Name" )  
Session("sigStr") = rsSignature( "signature" )  
Session("dateTimes") = rsSignature( "DateTime" )  
%>
```

The major differences can be seen above, as the retrievedsignature page only retrieves certain fields from the database to display. When the page is loaded it should look something like this:

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A handwritten signature in black ink, appearing to read "E. Smith", with a long horizontal line extending to the right.

4/29/2005 8:50:26 AM

The retrieved signature shows the signature, time stamp, and ID number. This is the retrieved signature from the examples above.