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Demo of Uploading Images in ASP, Resizing and Saving in a Database

REQUIREMENTS

The csImageFile and csASPUUpload DLLs (trial versions) must be registered on the server.

The following files must be placed in the same folder, which must be web shared and must be able to run scripts. This directory must allow the Internet Guest User modify permission.

dbview.asp
dbview1.asp
delete.asp
imageDB.mdb
imageDB.accdb
imageview.asp
process.asp
upload.htm

DESCRIPTION

This is a demonstration of how to upload an image to a web page and storing it in a binary data field in an Access database, after resizing. It also allows the user to view uploaded images and the database can be cleared.

The starting page is "upload.htm" which contains a form with a file field. This form is posted to "process.asp" which saves the file into the database OLE Object field and stores some other related information into the database. This script also uses the csImageFile component to resize the image.

The page "dblist.asp" lists the images already in the database and provide a link to view each image. "imageview.asp" contains an image tag to display the image and the script "dbstream.asp" actually gets the data from the database and streams it as an image using Response.BinaryWrite.

"delete.asp" deletes all the files from the database so that you can start again.

TROUBLESHOOTING

If this demo does not work here are some possible reasons.

1. The page "process.asp" requires the csASPUUpload and csImageFile trial components to be registered on the server. These components are not supplied with these example scripts but can be downloaded from the Chestysoft web site.
2. Some permissions may need to be set. The Internet Guest User must have Read and Execute permission on the DLL file. It must have "Modify" permission on the database (.mdb or .accdb) file.

3. If 32 bit database drivers are used (such as Access) IIS must be running with 32 bit applications enabled.

4. The trial csASPUpload and csImageFile components have an expiry date and they will not work after this date. "process.asp" will display an error message if this is the case.

5. Both components are now supplied as 32 bit and 64 bit DLLs and the correct component must be called in the Server.CreateObject command in "process.asp". The 32 bit version of csASPUpload contains the characters "32" but the 32 bit version of csImageFile does not.

POSSIBLE EXTENSIONS TO THE DEMO

Other database systems besides Access can be used. The data type needed to hold the image data would need to be chosen accordingly.

It is probably more efficient to save the images to disk, even if other information is stored in the database. There is a file based example available on the Chestysoft web site.

Other files can be stored in a database in this way. We have another example using csASPUpload for saving files without using csImageFile to resize images.

It is possible to convert the uploaded images to base64 and save them as text, instead of as an OLE Object field. csImageFile has a Base64Out command which exports the image as a base64 encoded string.

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