Subject: SysInfo and FileToTrashBin
Posted by Zbych on Thu, 19 Nov 2009 14:29:22 GMT
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Hello,

I found two bugs in FileToTrashBin in SysInfo package:
1. it allocates memory but it doesn't free it.
2. it uses ascii version of SHFileOperation, so it doesn't work properly with utf-8 strings.

My proposition:

```
bool FileToTrashBin(const char *path)
{
    if (!FileExists(path) && !DirectoryExists(path))
        return false;

    WString ws(path);
    // This string must be double-null terminated.
    ws.Cat() << L'\0';

    SHFILEOPSTRUCTW fileOp;

    fileOp.hwnd = NULL;
    fileOp.wFunc = FO_DELETE;
    fileOp.pFrom = ~ws;
    fileOp.pTo = NULL;
    fileOp.fFlags = FOF_ALLOWUNDO | FOF_NOCONFIRMATION | FOF_SILENT;

    int ret = SHFileOperationW(&fileOp);
    if (0 != ret)
        return false;
    return true;
}
```

Subject: Re: SysInfo and FileToTrashBin
Posted by koldo on Thu, 19 Nov 2009 16:50:55 GMT
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Thank you Zbych

If it is ok (as it seems) I will adopt it

Best regards
Koldo

Subject: Re: SysInfo and FileToTrashBin
Posted by koldo on Sun, 22 Nov 2009 08:07:18 GMT
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Hello Zbych

Thank you for your help. Your fix is now included.

Now I am reorganizing some packages internally (no change for the user programmer) so the change will be uploaded and public in few weeks.

Best regards
Koldo

Subject: Re: SysInfo and FileToTrashBin
Posted by Zbych on Sun, 22 Nov 2009 19:20:20 GMT
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koldo wrote on Sun, 22 November 2009 09:07Your fix is now included.
Now I am reorganizing some packages internally

Thank you. Maybe it is good time to remove all mallocs/free from the package (at least replace them with new/delete to ease detection of memory leaks).

Subject: Re: SysInfo and FileToTrashBin
Posted by koldo on Sun, 22 Nov 2009 20:17:43 GMT
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Hello Zbych

Good suggestion. No problem as there was only one additional malloc .

Now changed to new/delete (impossible to use static allocation in this case as it is the size of the screen grab in Window_SaveCapture, that depends on the screen size).

Best regards
Koldo