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;
}
```