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#include <shlguid.h>
#include <shlobj.h>
// Get the Absolute path of a file from
shortcut file (*.lnk)
// using COM interfaces
HRESULT ResolveIt(HWND hwnd, LPTSTR lpszLinkFile, LPTSTR lpszPath)
{
    HRESULT hres;
    IShellLink* psl;
    TCHAR szGotPath[MAX_PATH];
    TCHAR szDescription[MAX_PATH];
    WIN32_FIND_DATA wfd;
    *lpszPath = TEXT('\\0'); //assume failure
    hres = CoInitialize(NULL);
    if (hres != S_OK)
        ReportError();
    hres = CoCreateInstance(&CLSID_ShellLink, NULL,
        CLSCTX_INPROC_SERVER, &IID_IShellLink, &psl);
    if (SUCCEEDED(hres)) {
        IPersistFile* ppf;
        //Get a pointer to the IPersistFile interface.
        hres = psl->lpVtbl->QueryInterface(psl, &IID_IPersistFile,
&ppf);
        if ( SUCCEEDED(hres) ) {
            WORD wsz[MAX_PATH];
            //Load the shortcut.
            hres = ppf->lpVtbl->Load(ppf, lpszLinkFile, STGM_READ);
            if (SUCCEEDED(hres) ) {
                //Resolve the link.
                hres = psl->lpVtbl->Resolve(psl, hwnd, SLR_ANY_MATCH);
                if ( SUCCEEDED(hres) ) {
                    //Get the path to the link target.
                    hres = psl->lpVtbl->GetPath(psl, szGotPath,
                        MAX_PATH, (WIN32_FIND_DATA *)&wfd,
                        SLGP_SHORTPATH);
                    if (! SUCCEEDED(hres) )
                        ReportError();
                    //Get the desc. of the target
                    hres = psl->lpVtbl->GetDescription(psl, szDescription,
                        MAX_PATH);
                    if ( ! SUCCEEDED(hres) )
                        ReportError();
                    lstrcpy(lpszPath, szGotPath);
                }
            }
            ppf->lpVtbl->Release(ppf);
        }
        psl->lpVtbl->Release(psl);
    }
    CoUninitialize();
    return hres;
}

```

