

ZELLE, HOFMANN, VOELBEL, MASON & GETTE

A LIMITED LIABILITY PARTNERSHIP

BOSTON
DALLAS
LOS ANGELES
MINNEAPOLIS
SAN FRANCISCO
BEIJING*
SHANGHAI*
*In association with ZY & Partners

500 WASHINGTON AVENUE SOUTH - SUITE 4000
MINNEAPOLIS, MINNESOTA 55415
612-339-2020 TELEPHONE
612-336-9100 FACSIMILE
www.zelle.com

James S. Reece
jreece@zelle.com
(612) 336-9108

February 2, 2007

VIA HAND DELIVERY

Mr. Jay Jurata
c/o Mr. Brent Green
DUNCAN, GREEN, BROWN & LANGNESS
400 Locust Street, Suite 380
Des Moines, IA 50309-2332

Re: Comes v. Microsoft - Andrew Schulman

Dear Mr. Jurata:

We are enclosing some notes of Andrew Schulman (Schulman_IA 0699-0768).

Very truly yours,

ZELLE, HOFMANN, VOELBEL, MASON & GETTE LLP

Jim Reece

James S. Reece

JSR:kv

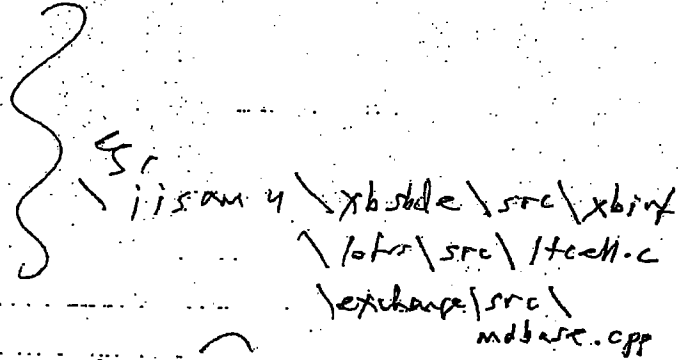
cc: Sharon Nelles (w/o enclosures)
Edward Remsburg (w/o enclosures)
Roxanne Barton Conlin (w/o enclosures)
Richard Hagstrom (w/enclosures)

①

MISSING

all ISAM JET, including import from:

- Excel
- Exchange
- Lotus
- Paradox
- TEXT
- XBASE

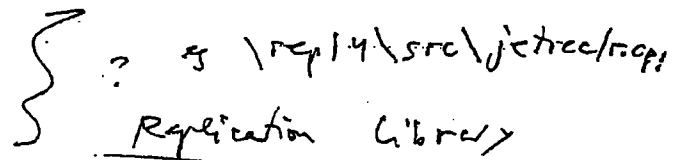


MSJET 3.5

eg \jet3\src\fold\exp.c

Set Briefcase Reconciler

- MSRCLR40
- MSFRAN40
- REPL4



check

Some MSOEXT still missing,
 eg \ms9\msxt\msxt.cpp

MAC skip-ins & support:
 COMUI, NNTP, SMTP,

check

Some CDDSYS re_SEO
 eg \cddp\src\seo\ss-ntpccrly.cpp

Office Web Components

NVC (Windows Visual Component) 9
 eg \chart\Whisper\ren\NCC\client\AutomationBinding.cpp

source for .NET Framework, eg
 for MSCORSVR, MSCORIE, etc.

- eg \com99\src\ms\mscorce\mscorce.cpp
- \com99\src\jit\is\gentree.cpp
- \com99\src\va\interop\lib.cpp [in MS EB]

(4)

MDAC - MS Data Access Components
used in ODBC, DLU, etc.

g, \msdctutil\adodb\src\adodb\adodb.cpp
\msdctutil\oradbc\src\fileconn.c

MSNDB - do KMC LETAG

6 CDS 10/25 + 10/20
+ 2 CDS 10/17

re-wrote
all PDBs,
re-run
strings,
but may
re-split
log along
; ; & \$
etc.
+ then put
back new
PDB

MATCHSRC

.c
.cpp
.xxx } pdb-path.log

.obj }
.ob } ignore extension

NO, OLD NAMES
from PDBs

- ① reload all .ASM, .CS + .PDB ?
- ② rescan all PDBs on disk for $\backslash \backslash$
 - ②A split dup ; : * etc.
- ③ generate filenames list
- ④ dir all .epf, .e, .c, .x, .asm, .cs
- ⑤ missing ?

CHECK ALL IN IE/WAP/M506/MSN

NEW UNDOC FROM MSO?

(1)

get from MSO5EXT??
more newer - ~~MSO~~ ... CH?

new
MSO5

↑
MSORUN
PUSER

~~ISDirect3DRM3~~
IDirect3DRM3 ; != DRM; Direct 3D Retained Mode
IDirect3DRM4 MeshBuilder3 ; one mention?
IDirect3DRM5

IEVENT Is Callable ; part of SEO??
" VFI ; planned for Exch Serv 2007 SDK
Type Sinks as "CDOEX"?

- Sources
- Source Types
- Sink Notify Disp
- Rule Engine
- Route
- Property Bag
- ...
- Binding Manager
- Lock
- Com Cat
- Source
- Binding
- Type

PKR?

NEW UNDOC FROM MSO?

(2)

Where
SEO
impl.?

CDOSYS?
imsinst?

Planned
for
2007 SDK
CDOEX
NOC

SEO.IDL
Platform SDK?

- ISEO ROLTS
- " Reg Dictionary
- Inst Object
- EventSink
- Dispatcher
- Dictionary Item
- Binding Auk Engine
- Binding Converter
- Dictionary

- ; SEOLib
- ; Server Extension Objects
- ; See MS Employee Mag
- "First impl many years ago"
- also maybe ISEO... or CSEO...
- Meta Dictionary
- Web Dictionary
- Live Dictionary
- Reg Dictionary

IDSQUERY - doc as OSQUERY? check all "I, of 'I'

IImn Account Manager - deprecated? CDOSYS, MSEOACCT, OUTLIB

IUser Identity Manager - deprecated? MSO EACCT, OUTLACCT

IAdmin Index Server - ? MSO, CIODM

IMCIS Message Filter - CDOEX 2007 doc!

Other notes:

MARS PSETID_

Doc Objects

EMSO*

NEW UNDOC FROM MSO?

③

IITStorage used by CHM doc??

I PersistTextstream VS 6, 035, 11.9 ~~2~~ doc?!

WSPP re MAPI

Active Directory Schema Attributes A-L-6-30-06.ppt

Exchange MAPI address book

mspi ID 32791

Entry Display Name

32839

"ASDAS"

~~0x3A25001F~~

PSETID - Appoint

0x2002

8197

PSETID - Address

0x2007

8196

PSETID - Contact

0x2008

~~8195~~ 8200

countdoc.srt
Interfaces found in MS Office and in Windows
Not found in non-MS software that was inspected

sorted by likelihood that not documented
based on XP source code ... \public\...

4588 1 31 IPathname
4464 5 31 ~~IADSPathname~~
2465 4 17 ~~ISObjectPicker~~
2058 2 14 ~~IDirectorySearch~~
2030 4 14 ~~IADContainer~~
1529 10 11 ~~IInternetSecurityManager~~
1168 3 8 ~~ITextStoreACPServices~~
1168 3 8 ~~IDataInitialize~~
1168 3 8 ~~IDBPromptInitialize~~
1160 4 8 ~~ITaskScheduler~~
1144 6 8 ~~IPersistFolder2~~
1022 3 7 ~~ITfThreadMgrEventsSink~~
1022 3 7 ITfThreadFocusSink
1022 3 7 ITfTextLayoutSink
1022 3 7 ITfTextInputProcessor
1022 3 7 ITfTextEditsSink
1022 3 7 ITfStatusSink
1022 3 7 ITfSourceSingle
1022 3 7 ITfRangeACP
1022 3 7 ITfQueryEmbedded
1022 3 7 ITfPreservedKeyNotifySink
1022 3 7 ITfPersistentPropertyLoaderACP
1022 3 7 ITfMouseTrackerACP
1022 3 7 ~~ITfMessagePump~~
1022 3 7 ITfLanguageProfileNotifySink
1022 3 7 ITfKeystrokeMgr
1022 3 7 ITfKeyTraceEventsSink
1022 3 7 ITfKeyEventSink
1022 3 7 ITfInsertAtSelection
1022 3 7 ITfEditTransactionSink
1022 3 7 ITfEditRecord
1022 3 7 ITfDisplayAttributeProvider
1022 3 7 ITfDisplayAttributeNotifySink
1022 3 7 ITfDisplayAttributeMgr
1022 3 7 ITfDisplayAttributeInfo
1022 3 7 ITfCreatePropertyStore
1022 3 7 ITfContextOwnerServices
1022 3 7 ITfContextOwnerCompositionSink
1022 3 7 ITfContextOwnerCompositionServices
1022 3 7 ITfContextKeyEventSink
1022 3 7 ITfContextComposition
1022 3 7 ITfConfigureSystemKeystrokeFeed
1022 3 7 ITfCompositionSink
1022 3 7 ITfCompartmentEventsSink
1022 3 7 ITfCleanupContextSink
1022 3 7 ITfCleanupContextDurationSink
1022 3 7 ITfCategoryMgr
1022 3 7 ITfActiveLanguageProfileNotifySink
1022 3 7 ~~IEnumTfPropertyValue~~
1022 3 7 IEnumTfLanguageProfiles
1022 3 7 IEnumTfDisplayAttributeInfo
1022 3 7 IEnumTfContexts
1022 3 7 ~~IEnumTfCompositionView~~
1015 4 7 ~~ITfReadOnlyProperty~~
1015 4 7 ITfRangeBackup
1015 4 7 ITfPropertyStore
1015 4 7 ITfMouseSink

countdoc.srt

1015 4 7 ITfFunctionProvider
 1015 4 7 ITfEditSession
 1015 4 7 ITfDocumentMgr
 1015 4 7 ITfContextView
 1015 4 7 ITfCompartmentMgr
 1015 4 7 IEnumTfRanges
 1015 4 7 IEnumTfProperties
 1015 4 7 IEnumTfFunctionProviders
 1015 4 7 IEnumTfDocumentMgrs
 1015 4 7 IEnumTfContextViews
 1001 6 7 ITfSource
 1001 6 7 ITfCompositionView
 994 7 7 ~~ITfThreadMgr~~
 987 8 7 ITfMouseTracker
 980 9 7 ITfInputProcessorProfiles
 973 10 7 ITfProperty
 973 10 7 ITfFunction
 973 10 7 ITfCompartment
 959 12 7 ITfContextOwner
 959 12 7 ITfComposition
 924 17 7 ~~ITfRange~~
 917 18 7 ~~Iwiaitem~~
 833 30 7 ITfContext
 816 13 6 ~~IDXTransform~~
 725 4 5 ~~ITimersink~~
 715 6 5 ITfLangBarMgr
 715 6 5 ~~IDXTransformFactory~~
 705 8 5 IDXSurfaceFactory
 693 72 9 ~~ITask~~
 595 30 5 IDXSurface
 584 3 4 ~~IProvideTaskPage~~
 584 3 4 ~~IAutoComplete2~~
 584 3 4 ~~IAccPropServices~~
 580 4 4 ~~ITimerservice~~
 580 4 4 ~~IDXARGReadwriteptr~~
 576 5 4 IDirect3DRM3
 576 5 4 IDXBaseObject
 556 10 4 ~~IEmptyVolumeCache~~
 444 1 3 IEventIsCacheable
 444 1 3 ~~ICommonQuery~~
 438 3 3 ~~IWordBreaker~~
 438 3 3 ~~IMimeBody~~
 438 3 3 ~~IEmptyVolumeCache2~~
 438 3 3 IDsQuery
 435 4 3 ~~IDXSurfacePick~~
 429 6 3 ~~ITmAccountManager~~
 429 6 3 IDirect3DRMMeshBuilder3
 420 9 3 IDXETface
 296 1 2 ISEORouter
 296 1 2 ISEORegDictionary
 296 1 2 ISEOInitObject
 296 1 2 ISEOEventsSink
 296 1 2 ISEODispatcher
 296 1 2 ISEODictionaryItem
 296 1 2 ISEOBindingRuleEngine
 296 1 2 ISEOBindingConverter
 296 1 2 IMCISMessageFilter
 296 1 2 IEventUtil
 296 1 2 IEventTypesSinks
 296 1 2 IEventSources
 296 1 2 IEventSourceTypes
 296 1 2 IEventSinkNotifyDisp
 296 1 2 IEventRuleEngine

D3D retained Mesh
 some doc?
 Planned for Exch Server 2007 SDK?

not IDSubjectPicker? doc as DsQuery

depreciated

some mentions?

also CWEX

countdoc.srt

296 1 2 IEventRouter
 296 1 2 IEventPropertyBag
 296 1 2 IEventPersistBinding
 296 1 2 IEventNotifyBindingChangedDisp
 296 1 2 IEventManager
 296 1 2 IEventLock
 296 1 2 IEventDispatcherChain
 296 1 2 IEventDeliveryOptions
 296 1 2 IEventDatabasePlugin
 296 1 2 IEventDatabaseManager
 296 1 2 IEventCreateOptions
 296 1 2 IEventComCat
 296 1 2 IEventBindingManagerCopier
 294 2 2 ~~IUserIdentityManager~~
 294 2 2 ~~ISpVoice~~
 294 2 2 ISEODictionary
 294 2 2 IEventTypes
 294 2 2 IEventSourceType
 294 2 2 IEventSinkNotify
 294 2 2 IEventNotifyBindingChange
 294 2 2 IEventDispatcher
 294 2 2 IEventBindingManager
 292 3 2 ~~IXMLParser~~
 292 3 2 ~~IXMLNodeFactory~~
 292 3 2 ~~IStemmer~~
 292 3 2 ~~ISpRecognizer~~
 292 3 2 ~~IDataConvert~~
 290 4 2 IEventType
 290 4 2 IEventBinding
 290 4 2 ~~IDoHostShowUI~~
 290 4 2 ~~IDXTaskManager~~
 290 4 2 ~~IDXSurfaceModifier~~
 286 6 2 IEventSource
 284 7 2 ~~IDXArgbReadPtr~~
 280 9 2 ~~IDataSource~~
 162 122 6 IDirect3DRM
 148 1 1 ~~ITextServices~~
 147 2 1 ~~IXSLTemplate~~
 147 2 1 IAdminIndexServer
 146 3 1 ~~IXMLNodeSource~~
 146 3 1 ~~IProfferservice~~
 144 5 1 ~~IXMLDOMParseError~~
 0-149 22 IADs

SEO

deprecated

SEO

SEO

one mention

undoc?

I MediaStream Monitor

iam_maybe.log
http://directshownet.sourceforge.net/about.html

"Interfaces included in the library but not yet tested (see the docs for what this means)" -- list presumably from IDL?

Then filter out those in MS alphabetical list of Directshow (9.0) interfaces (http://msdn2.microsoft.com/en-us/library/ms778960.aspx)

and list of deprecated interfaces (http://msdn2.microsoft.com/en-us/library/ms778960.aspx):

~~IAMAnalogVideoEncoder -- deprec~~
~~IBPCSatelliteTuner -- deprec~~
~~ICaptureGraphBuilder -- deprec~~
~~IAMDevMemoryAllocator -- deprec~~
~~IAMDevMemoryControl -- deprec~~
~~IDrawVideoImage -- deprec~~
~~IAMovieSetup -- deprec~~
~~IDvdControl -- deprec~~
~~IAMPhysicalPinInfo -- deprec~~
~~IDvdInfo -- deprec~~
~~IAMTVAudioNotification -- deprec~~
~~IEnumRegFilters -- deprec~~
~~IFilterMapper -- deprec~~

see if deprec still
used eg in WMP 10 or 11?

maybe undoc, not in alphabetical list:

make sure hits not in
Directshow src w/in WMP 8 dir?

~~IAMCollection~~
~~IAMPlaylist~~
~~IAMPlaylistItem~~ - C:\WMP\plylist\Edm?
~~IAWireBuild~~
~~IAnalogRadioTuningSpace~~
~~IAnalogRadioTuningSpace2~~
~~IAudioData~~
~~IAudioStreamSample~~
~~IAuxINTuningSpace2~~
~~IBDA_NetworkProvider~~
~~IBDA_NullTransform~~
~~IBDA_PinControl~~
~~IBDA_TIF_REGISTRATION~~
~~IBDA_VoidTransform~~
~~IBaseVideoMixer~~
IDMOQualityControl -- "DMO" is DirectX Media Object (see IDMOWrapperFilter)
~~IDXEffect~~
~~IDxtAlphasetter~~
~~IDxtCompositor~~
~~IDxtPeg~~
~~IDxtKey~~
~~IEnumGuideDataProperties~~
~~IEnumTunerRequests~~
~~IEvalRat~~
~~IFilterInfo~~
~~IFindCompressorCB~~
IFullScreenVideo -- but IFullScreenVideoEx is doc - 1 file?
~~IGrCache~~
~~IGuideData~~
~~IGuideDataEvent~~
~~IGuideDataLoader~~
~~IGuideDataProperty~~
~~IMPEG2_TIF_CONTROL~~ -- but e.g. Impeg2PIDMap is doc
~~IMediaTypeInfo~~ -- other IMedia are doc, e.g. IMediaFilter
~~IMemoryData~~
~~IPinInfo~~ -- but e.g. IPin is doc

iam_maybe.log
~~IReferenceClock2 -- but IReferenceClock is doc~~
~~IRegFilterInfo~~
~~IRegisterTuner~~
~~IResize~~
~~IScanningTuner~~
~~ISpecifyParticularPages~~
~~ITrunkRequestInfo~~
IVPVBIConfig -- many other IVP are doc
IVPVBINotify
IVideoEncoder
IXDStoRat

iam.log

~~IAMAnalogVideoDecoder 1 4697~~
~~IAMCameraControl 1 4697~~
~~IAMClockAdjust 1 3900~~
~~IAMClockSlave 1 1176~~
~~IAMCrossbar 1 4697~~
~~IAMFilterGraphCallback 1 1073~~
~~IAMFilterMscFlags 2 250,1176~~
~~IAMGraphBuildCB PRIV 1 1073~~
~~IAMGraphStreams 1 250~~
~~IAMLine21Decoder 2 251;1032~~
~~IAMNetShowExProps 1 1073~~
~~IAMOpenProgress 1 1073~~
~~IAMPlaylist 1 1073~~
~~IAMPushSource 1 250~~
~~IAMRebuild 6 2696;3389;3425;5273;5404;5713 NOT~~
~~IAMSeekingEX 1 1073 NOT~~
~~IAMStavClock 1 1176 NOT~~
~~IAMStreamConfig 2 569;4697~~
~~IAMStreamControl 5 558;563;568;579;583~~
~~IAMStreamSelect 3 1062;1073;1176~~
~~IAMTVAudio 1 4697~~
~~IAMTVTuner 1 4697~~
~~IAMVfwCaptureDialogs 3 550;552;569~~
~~IAMVideoProcAMP 1 1366~~
~~IAMVideoProcAMP 1 4697~~
~~IAMovieSetup 2 3881;3889~~

*IAMGraphBuildCB; Priv Coll back; DOC
Selected Filter
Created A/K/T*

*look for all vntested
from
directshow.net, source forp.net*

SH SetTimer QueueTimer

NT vets differs slightly

Where
impe ??

- I- CreateTimer QueueTimer
- II- SetTimer QueueTimer

Where at? DOC (7 params)

r firm 1998 - reworked from NT-specific code

IESet* and NTSet* v/in tpstimer.cpp

timerqueuetimer.cpp cWin32TimerQueueTimer

param type WAITOR TIMER CALLBACK

WING code?

Wh CreateTimer QueueTimer

- whkird 32.4.

le - ChangeTimer QueueTimer

SeusSetTimer QueueTimer

tan.cxx

dest.cxx

Likely undocumented APIs that should have been documented as part of the settlement.

Used by shdocvw.dll :

shlwapi.13	RegisterDefaultAcceptHeaders
shlwapi.163	IUnknown_QueryStatus
shlwapi.164	IUnknown_Exec
shlwapi.165	SHSetWindowBits - trivial?
shlwapi.167	SHSetParentHwnd
shlwapi.171	SHIsSameObject
shlwapi.173	IUnknown_SetOwner
shlwapi.175	IUnknown_GetClassID
shlwapi.178	SHPropagateMessage - not called by IE?
shlwapi.181	SHEnableMenuItem
shlwapi.182	SHCheckMenuItem
shlwapi.186	SHSimulateDrop
shlwapi.187	SHLoadFromPropertyBag
shlwapi.188	IUnknown_TranslateAcceleratorOCS
shlwapi.189	IUnknown_OnFocusOCS
shlwapi.192	SHGetMenuFromID
shlwapi.193	SHGetCurColorRes
shlwapi.195	SHIsExpandableFolder
shlwapi.197	SHFillRectClr
shlwapi.198	SHSearchMapInt
shlwapi.212	IStream_Write
shlwapi.216	SHAnsiToUnicodeCP
shlwapi.218	SHUnicodeToAnsiCP
shlwapi.220	SHSetDefaultDialogFont
shlwapi.221	SHRemoveDefaultDialogFont
shlwapi.222	SHGlobalCounterCreate
shlwapi.223	SHGlobalCounterGetValue
shlwapi.236	SHPinDllOfCLSID
shlwapi.240	SHDefWindowProc
shlwapi.248	Stopwatch_MarkSameFrameStart
shlwapi.249	Stopwatch_MarkJavaStop
shlwapi.260	SHQueueUserWorkItem - used; complex impc; WINE stub; but XP + late vars
shlwapi.263	SHSetTimerQueueTimer
shlwapi.266	SHRestrictionLookup
shlwapi.267	SHWeakQueryInterface
shlwapi.268	SHWeakReleaseInterface
shlwapi.269	GUIDFromStringA
shlwapi.279	SHInvokeDefaultCommand
shlwapi.281	SHPackDispParams
shlwapi.282	SHPackDispParamsV
shlwapi.283	IConnectionPoint_InvokeWithCancel
shlwapi.284	IConnectionPoint_SimpleInvoke
shlwapi.286	IUnknown_CPContainerInvokeParam
shlwapi.287	IUnknown_CPContainerOnChanged
shlwapi.316	IShellFolder_GetDisplayNameOf
shlwapi.342	SHInterlockedCompareExchange
shlwapi.355	IUnknown_EnableModeless
shlwapi.376	MLGetUILanguage
shlwapi.382	ZoneComputePaneSize (?) - if see in IE src - IE7 src
shlwapi.383	ZoneConfigureW
shlwapi.384	SHRestrictedMessageBox
shlwapi.394	SHChangeNotifyWrap - SHChangeNotify in shell32 loc for sc/henet
shlwapi.425	DeleteMenuWrap
shlwapi.426	DestroyMenuWrap
shlwapi.427	TrackPopupMenuWrap
shlwapi.428	TrackPopupMenuExWrap
shlwapi.431	MLClearMLHInstance
shlwapi.436	CLSIDFromStringWrap

Get sense of complexity from WINE ordinal.c

		ord_name
shlwapi.458	GetLongPathNameWrapA	
shlwapi.461	SHGetAppCompatFlags	<i>- don't see impl</i>
shlwapi.467	SHRunIndirectRegClientCommand	
shlwapi.471	SHCreatePropertyBagOnRegKey?	
shlwapi.476	SHGetObjectCompatFlags	<i>Account</i>
shlwapi.477	SHCreatePropertyBagOnMemory?	
shlwapi.479	IUnknown_UIActivateID	
shlwapi.484	IUnknown_QueryServiceExec	
shlwapi.491	SHGetShellKey	
shlwapi.496	SHPropertyBag_ReadLONG) <i>a/s check priv.h (w/o "SH")</i>
shlwapi.505	SHPropertyBag_ReadGUID	
shlwapi.506	SHPropertyBag_WriteGUID	
shlwapi.507	SHPropertyBag_ReadWORD	
shlwapi.509	IUnknown_OnFocusChangeIS	
shlwapi.520	SHPropertyBag_ReadBSTR	
shlwapi.534	SHPropertyBag_ReadBOOL	
shlwapi.538	IUnknown_QueryServiceForWebBrowserApp	
shlwapi.539	IUnknown_ShowBrowserBar	
shlwapi.540	SHInvokeCommandOnContextMenu?	
shlwapi.542	GetUIVersion	
shlwapi.549	SHCoCreateInstanceAC	
shlwapi.551	IShellFolder_CompareIDs?	

Used by mshtml.dll:

comctl32.383	DoReaderMode	<i>- doc</i>
shlwapi.13	RegisterDefaultAcceptHeaders	
shlwapi.163	IUnknown_QueryStatus	
shlwapi.164	IUnknown_Exec	
shlwapi.281	SHPackDispParamsV	
shlwapi.376	MLGetUILanguage	
shlwapi.413	SHGetMachineInfo	
shlwapi.425	DeleteMenuWrap	
shlwapi.426	DestroyMenuWrap	
shlwapi.427	TrackPopupMenuWrap	
shlwapi.435	CLSIDFromProgIDWrap	
shlwapi.436	CLSIDFromStringWrap	

Used by iexplore.exe, and by msoe.dll:

shlwapi.376	MLGetUILanguage
-------------	-----------------

exports!

tmp.tmp
Undoc shlwapi ordinal-only exports used by mshtml, shdocvw, iexplore, msoc, msieftp, msxml, iedk, sorted by # of modules that use

13 shlwapi.476 SHGetObjectCompatFlags appwiz.cpl browseui.dll cabview.dll
 comdlg32.dll cscui.dll docprop2.dll explorer.exe mydocs.dll netplwiz.dll shdocvw.dll
 shell32.dll shimgvw.dll twext.dll webvw.dll
 10 shlwapi.460 SHExpandEnvironmentStringsW late 5.00 builds and higher
 browseui.dll dataclen.dll explorer.exe iexplore.exe mydocs.dll plustab.dll
 runonce.exe shdocvw.dll shell32.dll themeui.dll
 8 shlwapi.260 SHQueueUserWorkItem browseui.dll explorer.exe msxml3.dll
 printui.dll shdocvw.dll shell32.dll themeui.dll wininet.dll
 7 shlwapi.436 CLSIDFromStringWrap dxtrans.dll (epeers.dll) mshtml.dll
 mstime.dll shdocvw.dll urlmon.dll webcheck.dll
 7 shlwapi.431 MLClearMLHInstance browseui.dll cdfview.dll inetcp1.cp1
 msrating.dll occache.dll shdocvw.dll urlmon.dll webcheck.dll
 7 shlwapi.413 SHGetMachineInfo explorer.exe mshtml.dll mshtml.ed.dll
 plustab.dll shell32.dll taskmgr.exe webcheck.dll
 7 shlwapi.376 MLGetUILanguage browseui.dll iexplore.exe inetcomm.dll
 inetcp1.cp1 mshtml.dll msoc.dll msrating.dll shdocvw.dll
 7 shlwapi.186 SHSimulateDrop browseui.dll cabview.dll printui.dll shdocvw.dll
 shell32.dll wiaacmgr.exe wiahex.dll
 6 shlwapi.425 DeleteMenuWrap browseui.dll cdfview.dll mshtml.dll msieftp.dll
 shdocvw.dll shimgvw.dll
 6 shlwapi.394 SHChangeNotifyWrap browseui.dll cdfview.dll iedkcs32.dll
 inetcp1.cp1 plustab.dll shdocvw.dll webcheck.dll
 6 shlwapi.342 SHInterlockedCompareExchange msieftp.dll msxml3.dll shdocvw.dll
 shell32.dll winhttp.dll wininet.dll
 6 shlwapi.216 SHAnsiToUnicodeCP cabview.dll msieftp.dll shdocvw.dll
 shell32.dll shscrap.dll urlmon.dll
 6 shlwapi.197 SHFillRectClr browseui.dll comdlg32.dll explorer.exe shdocvw.dll
 shell32.dll shimgvw.dll
 6 shlwapi.193 SHGetCurColorRes browseui.dll explorer.exe nusrmgr.cp1
 shdocvw.dll shell32.dll shimgvw.dll themeui.dll
 6 shlwapi.175 IUnknown_GetClassID browseui.dll comdlg32.dll desk.cp1
 explorer.exe shdocvw.dll shell32.dll themeui.dll
 6 shlwapi.165 SHSetWindowBits browseui.dll explorer.exe shdocvw.dll
 shell32.dll shimgvw.dll themeui.dll
 6 shlwapi.164 IUnknown_Exec browseui.dll explorer.exe inetcomm.dll mshtml.dll
 shdocvw.dll shell32.dll
 5 shlwapi.534 SHPropertyBag_ReadBOOL browseui.dll netplwiz.dll shdocvw.dll
 shell32.dll themeui.dll
 5 shlwapi.507 SHPropertyBag_ReadDWORD browseui.dll shdocvw.dll
 shell32.dll themeui.dll urlmon.dll
 5 shlwapi.496 SHPropertyBag_ReadLONG browseui.dll shdocvw.dll shell32.dll
 shimgvw.dll themeui.dll
 5 shlwapi.446 PathFileExistsAndAttributesW late 5.00 builds and higher
 browseui.dll mydocs.dll shdocvw.dll shell32.dll urlmon.dll
 5 shlwapi.426 DestroyMenuWrap browseui.dll cdfview.dll inetcp1.cp1
 mshtml.dll shdocvw.dll webcheck.dll
 5 shlwapi.355 IUnknown_EnableModeless browseui.dll comdlg32.dll
 msieftp.dll shdocvw.dll shell32.dll
 5 shlwapi.236 SHPinD11ofCLSID appwiz.cpl browseui.dll explorer.exe
 fldrclnr.dll shdocvw.dll shell32.dll
 5 shlwapi.223 SHGlobalCounterGetValue browseui.dll cscui.dll
 msrating.dll shdocvw.dll shell32.dll
 5 shlwapi.218 SHUnicodeToAnsiCP browseui.dll msieftp.dll shdocvw.dll
 shell32.dll urlmon.dll
 5 shlwapi.212 IStream_Write browseui.dll explorer.exe inetcomm.dll shdocvw.dll
 shell32.dll
 5 shlwapi.163 IUnknown_QueryStatus browseui.dll explorer.exe mshtml.dll
 shdocvw.dll shell32.dll
 4 shlwapi.509 IUnknown_OnFocusChangeIS browseui.dll explorer.exe

```

tmp:tmp
shdocvw.dll shell32.dll
4 shlwapi.479 IUnknown_UIActivateIO browseui.dll explorer.exe shdocvw.dll
shell32.dll
4 shlwapi.477 SHCreatePropertyBagOnMemory netplwiz.dll shdocvw.dll
shell32.dll shimvw.dll
4 shlwapi.456 PathIsValidCharW late 5.00 builds and higher msieftp.dll
query.dll shell32.dll zipfldr.dll
4 shlwapi.435 CLSIDFromProgIDWrap dxtrans.dll iepeers.dll mshtml.dll
urlmon.dll
4 shlwapi.271 SHGetRestriction appwiz.cpl iedkcs32.dll plustab.dll
shell32.dll themeui.dll
4 shlwapi.269 GUIDFromString browseui.dll extmgr.dll shdocvw.dll
shell32.dll
4 shlwapi.268 SHWeakReleaseInterface browseui.dll shdocvw.dll shell32.dll
twext.dll
4 shlwapi.267 SHWeakQueryInterface browseui.dll shdocvw.dll shell32.dll
twext.dll
4 shlwapi.263 SHSetTimerQueueTimer mnymetal.dll obemetal.dll shdocvw.dll
shell32.dll
4 shlwapi.240 SHDefWindowProc browseui.dll explorer.exe shdocvw.dll
shell32.dll
4 shlwapi.222 SHGlobalCounterCreate browseui.dll msrating.dll shdocvw.dll
shell32.dll
4 shlwapi.220 SHSetDefaultDialogFont browseui.dll inetctl.cpl shdocvw.dll
shell32.dll urlmon.dll
4 shlwapi.192 SHGetMenuFromID browseui.dll explorer.exe shdocvw.dll
shell32.dll
4 shlwapi.178 SHPropagateMessage browseui.dll explorer.exe main.cpl
shdocvw.dll shell32.dll
4 shlwapi.171 SHIsSameObject browseui.dll explorer.exe shdocvw.dll shell32.dll
3 shlwapi.549 SHCoCreateInstanceAC browseui.dll shdocvw.dll shell32.dll
3 shlwapi.540 SHInvokeCommandOnContextMenu shdocvw.dll shell32.dll
wiasext.dll
3 shlwapi.538 IUnknown_QueryServiceForWebBrowserApp browseui.dll shdocvw.dll
shell32.dll
3 shlwapi.506 SHPropertyBag_WriteGUID browseui.dll shdocvw.dll
shell32.dll
3 shlwapi.505 SHPropertyBag_ReadGUID browseui.dll shdocvw.dll shell32.dll
3 shlwapi.491 SHGetShellKey browseui.dll shdocvw.dll shell32.dll
3 shlwapi.484 IUnknown_QueryServiceExec browseui.dll shdocvw.dll
shell32.dll
3 shlwapi.471 SHCreatePropertyBagOnRegKey netplwiz.dll shdocvw.dll
shell32.dll
3 shlwapi.467 SHRunIndirectRegClientCommand also ordinal 190 in SHDOCWV;late
5.00 builds and higher browseui.dll explorer.exe shdocvw.dll
3 shlwapi.461 SHGetAppCompatFlags late 5.00 builds and higher comdlg32.dll
shdocvw.dll shell32.dll
3 shlwapi.427 TrackPopupMenuWrap browseui.dll inetctl.cpl mshtml.dll
shdocvw.dll
3 shlwapi.384 SHRestrictedMessageBox late 5.00 builds and higher browseui.dll
shdocvw.dll shell32.dll
3 shlwapi.382 ZoneComputePaneSize late 5.00 builds and higher msieftp.dll
shdocvw.dll shell32.dll
3 shlwapi.279 SHInvokeDefaultCommand browseui.dll explorer.exe shdocvw.dll
3 shlwapi.266 SHRestrictionLookup comdlg32.dll shdocvw.dll shell32.dll
3 shlwapi.221 SHRemoveDefaultDialogFont browseui.dll inetctl.cpl
shdocvw.dll shell32.dll
3 shlwapi.198 SHSearchMapInt browseui.dll shdocvw.dll shell32.dll
3 shlwapi.195 SHIsExpandableFolder browseui.dll shdocvw.dll shell32.dll
3 shlwapi.187 SHLoadFromPropertyBag browseui.dll shdocvw.dll shell32.dll
3 shlwapi.173 IUnknown_SetOwner browseui.dll shdocvw.dll shell32.dll
3 shlwapi.167 SHSetParentHwnd browseui.dll shdocvw.dll shell32.dll
2 shlwapi.551 IShellFolder_CompareIDs shdocvw.dll shell32.dll

```

```

tmp.tmp
2 shlwapi.542 GetUIVersion browseui.dll inetctl.cpl shdocvw.dll
2 shlwapi.539 IUnknown_ShowBrowserBar shdocvw.dll shell32.dll
2 shlwapi.520 SHPropertyBag_ReadBSTR shdocvw.dll shell32.dll
2 shlwapi.428 TrackPopupMenuExwrap browseui.dll shdocvw.dll
2 shlwapi.383 ZoneConfigurew late 5.00 builds and higher browseui.dll shdocvw.dll
2 shlwapi.316 IShellFolder_GetDisplayNameOf late 5.00 builds and higher
shdocvw.dll shell32.dll
2 shlwapi.286 IUnknown_CPCContainerInvokeParam browseui.dll shdocvw.dll
2 shlwapi.284 IConnectionPoint_SimpleInvoke shdocvw.dll shell32.dll
2 shlwapi.283 IConnectionPoint_InvokeWithCancel shdocvw.dll shell32.dll
2 shlwapi.281 SHPackDispParamsV mshtml.dll shdocvw.dll
2 shlwapi.234 ZoneCheckHost msieftp.dll shell32.dll
2 shlwapi.182 SHCheckMenuItem browseui.dll shdocvw.dll
2 shlwapi.181 SHEnableMenuItem browseui.dll shdocvw.dll
2 shlwapi.13 RegisterDefaultAcceptHeaders mshtml.dll shdocvw.dll
1 shlwapi.458 GetLongPathNamewrapA late 5.00 builds and higher shdocvw.dll
1 shlwapi.455 PathIsValidCharA late 5.00 builds and higher msieftp.dll
1 shlwapi.287 IUnknown_CPCContainerOnChanged shdocvw.dll
1 shlwapi.282 SHPackDispParams shdocvw.dll
1 shlwapi.249 Stopwatch_MarkJavaStop shdocvw.dll
1 shlwapi.248 Stopwatch_MarkSameFrameStart shdocvw.dll
1 shlwapi.189 IUnknown_OnFocusOCS shdocvw.dll
1 shlwapi.188 IUnknown_TranslateAcceleratorOCS shdocvw.dll
1 comctl32.383 DoReaderMode mshtml.dll

```

check shlguid.p.h
ieguids.c
guids.c

prntbale.cxx
clsid.hxx

IShellWindows

Largely
undoc.?

doc

```
ie.srt
9 {fbf23b40-e3f0-101b-8488-00aa003e56f8} "CLSID_InternetShortcut"
8 {25336920-03f9-11cf-8fd0-00aa00686f13} "CLSID_HTMLDocument"
5 {b725f130-47ef-101a-a5f1-02608c9eebac} "FMTID_Storage"
5 {8856f961-340a-11d0-a96b-00c04fd705a2} "CLSID_WebBrowser"
5 {7b8a2d94-0ac9-11d1-896c-00c04fb6bfc4} "CLSID_InternetSecurityManager"
5 {79eac9e5-baf9-11ce-8c82-00aa004ba90b} "IID_InternetProtocolSink"
5 {79eac9e4-baf9-11ce-8c82-00aa004ba90b} "IID_IInternetProtocol"
5 {79eac9e3-baf9-11ce-8c82-00aa004ba90b} "IID_IInternetProtocolRoot"
4 {9ba05972-f6a8-11cf-a442-00a0c90a8f39} "CLSID_ShellWindows[shdocvw.dll]
4 {79eac9c1-baf9-11ce-8c82-00aa004ba90b} "IID_IBindStatusCallback"
4 {0968e258-16c7-4dba-aa86-462dd61e31a3} "PersistentZoneIdentifier attachment.cxx
4 {0002df05-0000-0000-c000-000000000046} "IID_IWebBrowserApp"
4 {0002df01-0000-0000-c000-000000000046} "CLSID_InternetExplorer"
3 {fc4801a3-2ba9-11cf-a229-00aa003d7352} "IID_IObjectWithSite"
3 {eab22ac2-30c1-11cf-a7eb-0000c05bae0b} "DIID_DWebBrowserEvents"
3 {d30c1661-cdaf-11d0-8a3e-00c04fc9e26e} "IID_IWebBrowser2"
3 {cb5bdc81-93c1-11cf-8f20-00805f2cd064} "IID_IObjectSafety"
3 {cabb0da0-da57-11cf-9974-0020afd79762} "IID_UniformResourceLocatorW"
3 {b45ff030-4447-11d2-85de-00c04fa35c89} "CLSID_SearchAssistantOC"
3 {7fd52380-4e07-101b-ae2d-08002b2ec713} "IID_IPersistStreamInit"
3 {7b8a2d95-0ac9-11d1-896c-00c04fb6bfc4} "CLSID_InternetZoneManager"
3 {79eac9ee-baf9-11ce-8c82-00aa004ba90b} "IID_IInternetSecurityManager"
3 {79eac9ed-baf9-11ce-8c82-00aa004ba90b} "IID_IInternetSecurityMgrSite"
3 {79eac9d0-baf9-11ce-8c82-00aa004ba90b} "IID_IAAuthenticate"
3 {79eac9c5-baf9-11ce-8c82-00aa004ba90b} "IID_IHlinkFrame"
3 {6d5140c1-7436-11ce-8034-00aa006009fa} "IID_IServiceProvider"
3 {55272a00-42cb-11ce-8135-00aa004bb851} "IID_IPropertyBag"
3 {43a8f463-4222-11d2-b641-006097df5bd4} "IID_INSCTree" a/s 2
3 {3c374a40-bae4-11cf-bf7d-00aa006946ee} "CLSID_CURLHistory"
3 {34a715a0-6587-11d0-924a-0020afc7ac4d} "DIID_DWebBrowserEvents2"
3 {332c4427-26cb-11d0-b483-00c04fd90119} "IID_IHTMLWindow2"
3 {0002e013-0000-0000-c000-000000000046} "IID_ICatInformation"
3 {0002e005-0000-0000-c000-000000000046} "CLSID_StdComponentCategoriesMgr"
3 {000214f9-0000-0000-c000-000000000046} "IID_IShellLinkW"
3 {00000112-0000-0000-c000-000000000046} "IID_IoleObject"
3 {0000010c-0000-0000-c000-000000000046} "IID_IPersist"
3 {0000010b-0000-0000-c000-000000000046} "IID_IPersistFile"
3 {00000109-0000-0000-c000-000000000046} "IID_IPersistStream"
3 {00000101-0000-0000-c000-000000000046} "IID_IEnumString"
3 {0000000e-0000-0000-c000-000000000046} "IID_IBindCtx"
3 {0000000c-0000-0000-c000-000000000046} "IID_IStream"
3 {00000001-0000-0000-c000-000000000046} "IID_IClassFactory"
2 {ff393560-c2a7-11cf-bff4-444553540000} CLSID_HIST[shdocvw.dll] --- ??? (?)
2 {f490eb00-1240-11d1-9888-006097deacf9} "IID_IActiveDesktop"
2 {efa24e61-b078-11d0-89e4-00c04fc9e26e} CLSID_FavBand[shdocvw.dll] --- ??? favband.cxx
2 {e7e4bc40-e76a-11ce-a9bb-00aa004ae837} "CLSID_CDocObjectFolder"
2 {e572d3c9-37be-4ae2-825d-d521763e3108} "IShellNamespace"
2 {de4ba900-59ca-11cf-9592-444553540000} "CGID_MSHTML"
2 {d2bc4c84-3f72-4a52-a604-7bcbf3982cbb} "INewWindowManager" - one number doc:
2 {cf51ed10-62fe-11cf-bf86-00a0c9034836} "IID_IQuickActivate" Evaluate New -
2 {cd45f185-1b21-48e2-967b-ead743a8914e} "IZoneIdentifier (urlmon) window
2 {cb728b20-f786-11ce-92ad-00aa00a74cd0} "IID_IProfferService"
2 {c08afd90-f2a1-11d1-8455-00a0c91f3880} "ShellBrowserWindow (ExDisp)
2 {bd3f23c0-d43e-11cf-893b-00aa00bdce1a} "IID_IDocHostUIHandler"
2 {b722be00-4e68-101b-a2bc-00aa00404770} "SID_SContainerDispatch"
2 {b722bccb-4e68-101b-a2bc-00aa00404770} "IID_IoleCommandTarget"
2 {b722bcc7-4e68-101b-a2bc-00aa00404770} "IID_IoleDocumentSite"
2 {b722bcc5-4e68-101b-a2bc-00aa00404770} "IID_IoleDocument"
2 {b196b28b-bab4-101a-b69c-00aa00341d07} "IID_ISpecifyPropertyPages"
2 {b196b289-bab4-101a-b69c-00aa00341d07} "IID_IoleControlSite"
2 {b196b288-bab4-101a-b69c-00aa00341d07} "IID_IoleControl"
2 {b196b287-bab4-101a-b69c-00aa00341d07} "IID_IEnumConnections"
2 {b196b286-bab4-101a-b69c-00aa00341d07} "IID_IConnectionPoint"
```

winlist.cxx

attachment.cxx

a/s 2

favband.cxx

one number doc:
Evaluate New -
window

```

ie.srt
2 {b196b285-bab4-101a-b69c-00aa00341d07} "IID_IEnumConnectionPoints"
2 {b196b284-bab4-101a-b69c-00aa00341d07} "IID_IConnectionPointContainer" doc
2 {b196b283-bab4-101a-b69c-00aa00341d07} "IID_IProvideClassInfo"
2 {adb880a6-d8ff-11cf-9377-00aa003b7a11} --- HHCtrl object
2 {a6bc3ac0-dbaa-11ce-9de3-00aa004bb851} "IID_IProvideClassInfo2"
2 {9e56be60-c50f-11cf-9a2c-00a0c90a90ce} "CLSID_MailRecipient"
2 {9c2cad80-3424-11cf-b670-00aa004cd6d8} "IID_IoleInPlaceSiteEx"
2 {9bfbbc02-eff1-101a-84ed-00aa00341d07} "IID_IPropertyNotifySink"
2 {922eada0-3424-11cf-b670-00aa004cd6d8} "IID_IoleInPlaceSiteWindowless" doc
2 {91a565c1-e38f-11d0-b9bf-00a0c985cbf9} "IID_IPersistHistory" doc
2 {86d52e11-94a8-11d0-82af-00c04fd5ae38} "IID_ITargetFrame2" doc
2 {8455f0c1-158f-11d0-89ae-00a0c90a90ac} "IID_IExplorerToolBar"
2 {7bd29e01-76c1-11cf-9dd0-00a0c9034933} CLSID_CACHE2[shdocvw.dll] --- ???
2 {7bd29e00-76c1-11cf-9dd0-00a0c9034933} CLSID_CACHE[shdocvw.dll] --- ???
2 {75048700-ef1f-11d0-9888-006097deacf9} "CLSID_ActiveDesktop"
2 {72423e8f-8011-11d2-be79-00a0c9a83da1} "IID_IsearchAssistantOC" - see .class
2 {55980ba0-35aa-11cf-b671-00aa004cd6d8} "IID_IPointerInactive" doc
2 {55136804-b2de-11d1-b9f2-00a0c98bc547} --- IShellFavoritesNamespace - see .class ??
2 {53bd6b4e-3780-4693-afc3-7161c2f3ee9c} "CLSID_MruLongList"
2 {4c96be40-915c-11cf-99d3-00aa004ae837} "SID_StopLevelBrowser"
2 {4667b50c-3a16-4e4b-b7a7-ee9d7c93ac90} --- ??
2 {4438a9ea-071e-49ad-bc28-244131d568be} --- ??
2 {42aedc87-2188-41fd-b9a3-0c966feabec1} "CLSID_MrupidList"
2 {3c374a41-bae4-11cf-bf7d-00aa006946ee} "IID_IUrlHistoryStg" doc
2 {3af280b6-cb3f-11d0-891e-00c04fb6bfc4} "IID_IInternetHostSecurityManager"
2 {3af24292-0c96-11ce-a0cf-00aa00600ab8} "IID_IViewObjectEx"
2 {37d84f60-42cb-11ce-8135-00aa004bb851} "IID_IPersistPropertyBag" doc
2 {332c4425-26cb-11d0-b483-00c04fd90119} "IID_IHTMLDocument2"
2 {30d02401-6a81-11d0-8274-00c04fd5ae38} CLSID_SearchBand[iframe.dll] - Inj of URL
2 {3050f803-98b5-11cf-bb82-00aa00bdce0b} "SID_QIClientSite" onWinEvent
2 {3050f21f-98b5-11cf-bb82-00aa00bdce0b} "IID_IHTMLCollection"
2 {3050f1ff-98b5-11cf-bb82-00aa00bdce0b} "IID_IHTMLCollection"
2 {1c2056cc-5ef4-101b-8bc8-00aa003e3b29} "IID_IoleInPlaceObjectWindowless" doc
2 {131a6951-7f78-11d0-a979-00c04fd705a2} CLSID_ISFBandOC[shdocvw.dll] - On InPlaceActivate?
2 {05f6fela-ecf-11d0-aae7-00c04fc9b304} "CLSID_IntDitherer"
2 {02ba3b52-0547-11d1-b833-00c04fc9b31f} "IID_IBrowserService"
2 {012dd920-7b26-11d0-8ca9-00a0c92dbfe8} "IID_IDockingWindow" doc
2 {00021500-0000-0000-c000-000000000046} "IID_IQueryInfo"
2 {000214ee-0000-0000-c000-000000000046} "IID_IShellLink"
2 {000214e9-0000-0000-c000-000000000046} "IID_IShellPropSheetExt"
2 {000214e2-0000-0000-c000-000000000046} "IID_IShellBrowser"
2 {000214d1-0000-0000-c000-000000000046} "CGID_ShellDocView"
2 {000214d0-0000-0000-c000-000000000046} "CGID_Explorer"
2 {00021401-0000-0000-c000-000000000046} "CLSID_ShellLink"
2 {00021400-0000-0000-c000-000000000046} "CLSID_ShellDesktop"
2 {00020404-0000-0000-c000-000000000046} "IID_IEnumVARIANT"
2 {0000013a-0000-0000-c000-000000000046} "IID_IPropertySetStorage"
2 {00000127-0000-0000-c000-000000000046} "IID_IViewObject2"
2 {00000122-0000-0000-c000-000000000046} "IID_IDropTarget"
2 {0000011b-0000-0000-c000-000000000046} "IID_IoleContainer"
2 {00000119-0000-0000-c000-000000000046} "IID_IoleInPlaceSite"
2 {00000118-0000-0000-c000-000000000046} "IID_IoleClientSite"
2 {00000117-0000-0000-c000-000000000046} "IID_IoleInPlaceActiveObject"
2 {00000116-0000-0000-c000-000000000046} "IID_IoleInPlaceFrame"
2 {00000115-0000-0000-c000-000000000046} "IID_IoleInPlaceUIWindow"
2 {00000114-0000-0000-c000-000000000046} "IID_IoleWindow"
2 {00000113-0000-0000-c000-000000000046} "IID_IoleInPlaceObject"
2 {0000010f-0000-0000-c000-000000000046} "IID_IAdviseSink"
2 {0000010e-0000-0000-c000-000000000046} "IID_IDataObject"
2 {0000010d-0000-0000-c000-000000000046} "IID_IViewObject"
2 {0000010a-0000-0000-c000-000000000046} "IID_IPersistStorage"
2 {00000103-0000-0000-c000-000000000046} "IID_IEnumFORMATETC"
2 {0000000b-0000-0000-c000-000000000046} "IID_IStorage"

```

UNDOC?

Inj of URL
onWinEvent
of IoleInPlaceSite

```

ie.srt
1 {fef10fa2-355e-4e06-9381-9b24d7f7cc88} _CLSID_FolderItem
1 {fe787bcb-0ee8-44fb-8c89-12f508913c40} _IID_IMruDataList
1 {fbf23b41-e3f0-101b-8488-00aa003e56f8} CLSID_MIMEFileTypesHook[shell32.dll] =
1 {f3364ba0-65b9-11ce-a9ba-00aa004ae837} "CLSID_ShellFSDFolder" c FileTypes?
1 {f1db8392-7331-11d0-8c99-00a0c92dbfe8} _IID_IInputObjectSite" doc
1 {ecf90408-f38c-44fe-9f1b-02a72baf603c} -- ??
1 {ecf90406-f38c-44fe-9f1b-02a72baf603c} -- ??
1 {ecf90405-f38c-44fe-9f1b-02a72baf603c} -- ??
1 {eb30900c-1ac4-11d2-8383-00c04fd918d0} _TASKID_IconExtraction
1 {eb0fe172-1a3a-11d0-89b3-00a0c90a90ac} _IID_IDeskBand
1 {eac04bc0-3791-11d2-bb95-0060977b464c} _IID_IAutoComplete2"
1 {ea5f2d61-e008-11cf-99cb-00c04fd64497} _IID_IWinEventHandler
1 {e7a1af80-4d96-11cf-960c-0080c7f4ee85} --- IShellFolderViewDual - Pop up Item Menu
1 {e436eb7e-524f-11ce-9f53-0020af0ba770} "BFID_RGB_32" Set - Focused Item
1 {e436eb7d-524f-11ce-9f53-0020af0ba770} "BFID_RGB_24" Set - Application
1 {e436eb7c-524f-11ce-9f53-0020af0ba770} "BFID_RGB_555"
1 {e436eb7b-524f-11ce-9f53-0020af0ba770} "BFID_RGB_565"
1 {e436eb7a-524f-11ce-9f53-0020af0ba770} "BFID_RGB_8" KB 819 Y99 JOC
1 {e0e270c0-c0be-11d0-8fe4-00a0c90a6341} _IID_OLEDBSimpleProvider"
1 {df0b3d60-548f-101b-8e65-08002b2bd119} _IID_ISupportErrorInfo
1 {de5bf786-477a-11d2-839d-00c04fd918d0} _IID_IDragSourceHelper" doc
1 {dd313e05-feff-11d1-8ecd-0000f87a470c} _IID_IUserAssist"
1 {dd313e04-feff-11d1-8ecd-0000f87a470c} "CLSID_UserAssist"
1 {d969a300-e7ff-11d0-a93b-00a0c90f2719} CLSID_NewMenu[shell32.dll]
1 {d82be2b1-5764-11d0-a96e-00c04fd705a2} _IID_IShellChangeNotify" doc
1 {d515f311-b78b-11d1-9123-00a0c98ba67d} _SRCID_SFIndPrinter
1 {d2b57227-3d23-4b95-93c0-492bd454c356} _IID_IInsertItem"
1 {cde725b0-ccc9-4519-917e-325d72fab4ce} _IID_IFolderView"
1 {c8b522be-5cf3-11ce-ade5-00aa0044773d} --- DBPROPSET_ROWSET[oledb]
1 {c82bcf8b-f9c1-4102-894b-0483c30883c7} -- ??
1 {c4ee31f3-4768-11d2-be5c-00a0c9a83da1} CLSID_FileSearchBand[shell32.dll] searchext. app
1 {c46ca590-3c3f-11d2-bee6-0000f805ca57} _IID_IQueryAssociations" searchext. app
1 {c0a651f5-b48b-11d2-b5ed-006097c686f6} --- IFolderFilterSite" Set Search Parameters
1 {bb2e617c-0920-11d1-9a0b-00c04fc2d6c1} _IID_IExtractImage" Find to my PC
1 {b8a9c381-19df-11d1-9193-006097df5bd4} _IID_IISWebBrowserSite" Set Filter? Find on Web
1 {b85d89f1-1575-458d-bc50-8b463cff30ff} -- ?? Find Page
1 {b6ea2050-048a-11d1-82b9-00c04fb9942e} _IID_IAXWinHostWindow" doc
1 {b62f5910-6528-11d1-9611-0000f81e0d0d} "GUID_ATLVer30"
1 {b22754e2-4574-11d1-9888-006097deacf9} _IID_IADesktopP2
1 {b091e540-83e3-11cf-a713-0020afd79762} CLSID_FileTypes[shell32.dll] - Add Pages?
1 {add8ba80-002b-11d0-8f0f-00c04fd7062} _IID_IDelegateFolder"
1 {abbe31d0-6dae-11d0-beca-00c04fd940be} --- "subscription mgr" ??? doc
1 {aac9640-1252-11d0-89a9-00a0c9054129} _IID_IConnectionPointCB
1 {a4c6892c-3ba9-11d2-9dea-00c04fb16162} _IID_IShellDispatch2"
1 {a48f1a32-a340-11d1-bc6b-00a0c90312e1} _GUID_Restrictions
1 {a47d8dc0-abf3-4d83-acff-8d4de0894dbc} --- ???
1 {a07034fd-6caa-4954-ac3f-97a27216f98a} "CLSID_QueryAssociations"
1 {9cc22886-dc8e-11d2-b1d0-00c04f8eeb3e} --- IFolderFilter"
1 {996e1eb1-b524-11d1-9120-00a0c98ba67d} "CLSID_FindComputers"
1 {93f2f68c-1d1b-11d3-a30e-00c04f79abd1} _IID_IShellFolder2"
1 {8fce5227-04da-11d1-a004-00805f8abe06} _IID_IEmptyVolumeCache" doc
1 {8bebb290-52d0-11d0-b7f4-00c04fd706ec} _VID_Thumbnails
1 {8a00685d-eada-8f00-c5d5-0041545a0046} --- ???
1 {88e39e80-3578-11cf-ae69-08002b2e1262} _IID_IShellView2"
1 {87d605e0-c511-11cf-89a9-00a0c9054129} _IID_IDocViewSite
1 {871c5380-42a0-1069-a2ea-08002b30309d} "CLSID_Internet"
1 {85788d00-6807-11d0-b810-00c04fd706ec} _IID_IRunnableTask" doc
1 {83799fe0-1f5a-11d1-95c7-00609797ea4f} CLSID_DOCFILEInfoTip
1 {801c1ad5-c47c-428c-97af-e991e4857d97} _IID_IUnCtree2"
1 {7d688a70-c613-11d0-999b-00c04fd655e1} _IID_IShellIconOverlay" doc
1 {79eac9ef-baf9-11ce-8c82-00aa004ba90b} _IID_IInternetZoneManager" doc
1 {70f55181-5fea-4900-b6b8-7343cb0a348c} _IID_IDVGetEnum" doc
1 {6d12fe80-7911-11cf-9534-0000c05bae0b} "SID_DefView"

```

```

ie.srt
1 {6ccb7be0-6807-11d0-b810-00c04fd706ec} "IID_IShellTaskScheduler" doc
1 {68bd21cc-438b-11d2-a560-00a0c92dbfe8} "IID_IBrowsersService2" doc
1 {68284faa-6a48-11d0-8c78-00c04fd918b4} "IID_IInputObject" doc
1 {67077b95-4f9d-11d0-b884-00aa00b60104} _CGID_PrivCITCommands
1 {65f125e5-7be1-4810-ba9d-d271c8432ce3} _VID_File
1 {645ff040-5081-101b-9f08-00aa002f954e} "CLSID_RecycleBin"
1 {63da6ec0-2e98-11cf-8d82-444553540000} "CLSID_FtpFolder"
1 {626fc520-a41e-11cf-a731-00a0c9082637} "IID_IHTMLDocument"
1 {618736e0-3c3d-11cf-810c-00aa00389b71} "IID_IAccessible"
1 {603d3800-bd81-11d0-a3a5-00c04fd706ec} "CLSID_ShellTaskScheduler"
1 {5e6ab780-7743-11cf-a12b-00aa004ae837} CLSID_InternetToolbar[browseui.dll]
1 {5836fb00-8187-11cf-a12b-00aa004ae837} _IID_IShellService doc
1 {53c74826-ab99-4d33-aca4-3117f51d3788} _CLSID_FolderItemsFDF
1 {52502ee0-ec80-11d0-89ab-00c04fc2972d} "IID_IActiveDesktop" doc
1 {49e1b500-4636-11d3-97f7-00c04f45d0b3} "SID_StopWindow"
1 {47851649-a2ef-4e67-baec-c6a153ac72ec} "IID_IEnumPidlList"
1 {4657278a-411b-11d2-839a-00c04fd918d0} "CLSID_DragDropHelper"
1 {45ea75a0-a269-11d1-b5bf-0000f8051515} "CLSID_IHelper"
1 {3cd141f4-3c6a-11d2-bcaa-00c04fd929db} "IID_IAutoCompleteDropDown"
1 {3a77ce00-6f74-4594-9399-c4578aa4a1b6} "IID_INotifyAppStart"
1 {3050f25e-98b5-11cf-bb82-00aa00bdce0b} --- IHTMLStyle
1 {2d91eea1-9932-11d2-be86-00a0c9a83da1} "IID_IFileSearchBand"
1 {22f55882-280b-11d0-a8a9-00a0c90c2004} "IID_IPropertyBag2" doc
1 {1ac3d9f0-175c-11d1-95be-00609797ea4f} "IID_IPersistFolder2"
1 {169a0691-8df9-11d1-a1c4-00c04fd75d13} "CLSID_FindFiles"
1 {137e7700-3573-11cf-ae69-08002b2e1262} _VID_Details
1 {13709620-c279-11ce-a49e-444553540000} "CLSID_Shell"
1 {10df43c8-1dbe-11d3-8b34-006097df5bd4} "IID_IBrowserFrameOptions" doc
1 {1079acfc-29bd-11d3-8e0d-00c04f6837d5} "IID_IPersistIDList" doc
1 {0e5cbf21-d15f-11d0-8301-00aa005b4383} CLSID_QuickLinks[shell32.dll]
1 {0e1fa5e0-3573-11cf-ae69-08002b2e1262} _VID_List
1 {0d7d1d00-6fc0-11d0-a974-00c04fd705a2} _IID_IExpDispSupport doc
1 {0c733a95-2a1c-11ce-ade5-00aa0044773d} "IID_IWebASynchStatus" - few mentions ??
1 {0c733a8c-2a1c-11ce-ade5-00aa0044773d} "IID_IAccessor"
1 {0c733a7d-2a1c-11ce-ade5-00aa0044773d} "IID_IRowsetLocate" - An MS mention
1 {0c733a11-2a1c-11ce-ade5-00aa0044773d} "IID_IColumnsInfo"
1 {0afaced1-e828-11d1-9187-b532f1e9575d} "CLSID_FolderShortcut"
1 {0a89a860-d7b1-11ce-8350-444553540000} CLSID_ShellDispatchInproc[shdocvw.dll]
1 {089000c0-3573-11cf-ae69-08002b2e1262} _VID_SmallIcons
1 {085fb2c0-0df8-11d1-8f4b-00a0c905413f} --- ISubscriptionMgr - obsolete
1 {06670ca0-ecf1-11d0-aae7-00c04fc9b304} "IID_IIntDitherer"
1 {02b7e3ba-4db3-11d2-b2d9-00c04f8e8c8c} "IID_IEmptyVolumeCache2" doc
1 {00bb2763-6a77-11d0-a535-00c04fd7d062} "CLSID_AutoComplete"
1 {0057d0e0-3573-11cf-ae69-08002b2e1262} _VID_LargeIcons
1 {000214fc-0000-0000-c000-000000000046} "IID_IShellCopyHookW"
1 {000214fa-0000-0000-c000-000000000046} "IID_IExtractIconW"
1 {000214f4-0000-0000-c000-000000000046} "IID_IContextMenu2"
1 {000214f2-0000-0000-c000-000000000046} "IID_IEnumIDList"
1 {000214ef-0000-0000-c000-000000000046} "IID_IShellCopyHookA"
1 {000214ec-0000-0000-c000-000000000046} "IID_IShellDetails"
1 {000214eb-0000-0000-c000-000000000046} "IID_IExtractIconA"
1 {000214ea-0000-0000-c000-000000000046} "IID_IPersistFolder"
1 {000214e8-0000-0000-c000-000000000046} "IID_IShellExtInit"
1 {000214e6-0000-0000-c000-000000000046} "IID_IShellFolder"
1 {000214e5-0000-0000-c000-000000000046} "IID_IShellIcon"
1 {000214e4-0000-0000-c000-000000000046} "IID_IContextMenu"
1 {000214e3-0000-0000-c000-000000000046} "IID_IShellView"
1 {000214a1-0000-0000-c000-000000000046} "FMTID_InternetSite"
1 {00021493-0000-0000-c000-000000000046} "CATID_InfoBand"
1 {00020412-0000-0000-c000-000000000046} "IID_ITypeInfo2"
1 {00000121-0000-0000-c000-000000000046} "IID_IDropSource"
1 {00000100-0000-0000-c000-000000000046} "IID_IEnumUnknown"
1 {00000002-0000-0000-c000-000000000046} "IID_IMalloc"

```

new_undoc.out
 from shsemip.h ("SEMI-PRIVATE API ORDINALS"; "This is the list of
 semi-private ordinals we semi-publish"; lists SHObjectPropertiesORD
 178; SHCreateDefClassObjectORD 70; SHGetNetResourceORD 69)

SHObjectProperties was doc for settlement -- why this one, not others?

SHObjectProperties -- now doc

756 C:\ie5src\PRIVATE\SHELL\SHELL32\HELP.C - see Shawn Van Ness blog
 1944 C:\ie5src\shell\shell32\help.c

GetDownlevelCopyDataLossText

1910 C:\ie5src\shell\shell32\copy.c

3186 C:\ie5src\shell\shell32\util.cpp

SHCreateDefClassObject -- see Geoff list

555 C:\ie5src\PRIVATE\SHELL\EXT\RNAUI\CONTAIN.C

729 C:\ie5src\PRIVATE\SHELL\SHELL32\DEFCLSF.C

1752 C:\ie5src\shell\ext\rnui\contain.c

1916 C:\ie5src\shell\shell32\defclsf.c

SHGetNetResource -- see Geoff list

737 C:\ie5src\PRIVATE\SHELL\SHELL32\DRIVESX.C

777 C:\ie5src\PRIVATE\SHELL\SHELL32\NETVIEWX.C

799 C:\ie5src\PRIVATE\SHELL\SHELL32\PRINTER.C

1923 C:\ie5src\shell\shell32\drivesx.c

1965 C:\ie5src\shell\shell32\netviewx.c

1986 C:\ie5src\shell\shell32\printer.c

SHRefreshSettings

841 C:\ie5src\PRIVATE\SHELL\SHELL32\UTIL.C

742 C:\ie5src\PRIVATE\SHELL\SHDOCVW\ADVANCED.CPP

2928 C:\ie5src\shell\shdoc401\unicpp\advanced.cpp

3144 C:\ie5src\shell\shell32\unicpp\advanced.cpp

3156 C:\ie5src\shell\shell32\unicpp\deskstat.cpp

3186 C:\ie5src\shell\shell32\util.cpp

- sample code on web?
 "Microsoft source code
 samples";
 matches defclsf.c,
 both minimal
 comments;
 from MSVC++?

also from Geoff list: (AM32)

SHChangeNotifyUpdate Entry list

ILGetDisplay Name

ILGetIcon Clone

Exit Windows Dialog

RunTime Libs

SHInvalidate Drive Type

SHIsBad Interface Ptr

SHRegister Drag Drop

SHUnregister Drag Drop

Register Shell Hook

Page 1

Arrange Windows
 SHHandleDiskFull

SHFindComps
 SHWaitForFileToOpen
 SetAppStarting Window
 SHFreeUnused Libraries
 SHOpenMsg Message Box
 Rebuild list of Pans
 ILGlobalFree
 SHNetConnection Dialog
 SHOpen
 SHCreateLinks
 DAD - Set Drag Image from
 List View

See
 shell32 -
 why se.los

C first (then impl),
then C++ (then user?)

shell32_maybe.log
Maybe undoc shell32 APIs -- skipping PathFileExists, ILGetDisplayName,
ILGlobalFree

ArrangeWindows 1
825 C:\ie5src\PRIVATE\SHELL\SHELL32\SMRTTILE.C
DAD_DragEnter 4
537 C:\ie5src\PRIVATE\SHELL\EXT\NSC\AUTOSCR1.C
735 C:\ie5src\PRIVATE\SHELL\SHELL32\DRAGDROP.C
1734 C:\ie5src\shell\ext\psc\autoscr1.c
1921 C:\ie5src\shell\shell32\dragdrop.c
DAD_DragEnterEx 9
469 C:\ie5src\PRIVATE\SHELL\EXPLORER\TRAY.C
537 C:\ie5src\PRIVATE\SHELL\EXT\NSC\AUTOSCR1.C
544 C:\ie5src\PRIVATE\SHELL\EXT\NSC\NSCDROP.C
735 C:\ie5src\PRIVATE\SHELL\SHELL32\DRAGDROP.C
1548 C:\ie5src\shell\browser\dlload.c
1734 C:\ie5src\shell\ext\psc\autoscr1.c
1741 C:\ie5src\shell\ext\psc\nsdrop.c
1895 C:\ie5src\shell\shdocvw\dlload.c
1921 C:\ie5src\shell\shell32\dragdrop.c
DAD_DragEnterEx2 4
1548 C:\ie5src\shell\browser\dlload.c
1696 C:\ie5src\shell\explorer\tray.c
1895 C:\ie5src\shell\shdocvw\dlload.c
1921 C:\ie5src\shell\shell32\dragdrop.c
DAD_SetDragImageFromListView 6
537 C:\ie5src\PRIVATE\SHELL\EXT\NSC\AUTOSCR1.C
735 C:\ie5src\PRIVATE\SHELL\SHELL32\DRAGDROP.C
804 C:\ie5src\PRIVATE\SHELL\SHELL32\PRQWND.C
1734 C:\ie5src\shell\ext\psc\autoscr1.c
1921 C:\ie5src\shell\shell32\dragdrop.c
1990 C:\ie5src\shell\shell32\prqwnd.c
DAD_SetDragImageFromListView 2
735 C:\ie5src\PRIVATE\SHELL\SHELL32\DRAGDROP.C
1921 C:\ie5src\shell\shell32\dragdrop.c
ExitWindowsDialog 2
811 C:\ie5src\PRIVATE\SHELL\SHELL32\RESTART.C
1997 C:\ie5src\shell\shell32\restart.c
ILGlobalClone 12 [tokens_ie5_c_.log]
InvalidateDriveType 3
750 C:\ie5src\PRIVATE\SHELL\SHELL32\FUTIL.C
1923 C:\ie5src\shell\shell32\drivesx.c
1938 C:\ie5src\shell\shell32\futil.c
RLBuildListOfPaths 2
809 C:\ie5src\PRIVATE\SHELL\SHELL32\REGLIST.C
1995 C:\ie5src\shell\shell32\reglist.c
RegisterShellHook 9
463 C:\ie5src\PRIVATE\SHELL\EXPLORER\INITCAB.C
467 C:\ie5src\PRIVATE\SHELL\EXPLORER\TASK.C
469 C:\ie5src\PRIVATE\SHELL\EXPLORER\TRAY.C
716 C:\ie5src\PRIVATE\SHELL\SHELL32\CBTHOOK.C
1690 C:\ie5src\shell\explorer\initcab.c
1694 C:\ie5src\shell\explorer\task.c
1696 C:\ie5src\shell\explorer\tray.c
1906 C:\ie5src\shell\shell32\cbthook.c
2192 C:\ie5src\shell\win16\shell16\cbthook.c
RegisterShellHookWindow 2
716 C:\ie5src\PRIVATE\SHELL\SHELL32\CBTHOOK.C
1906 C:\ie5src\shell\shell32\cbthook.c
RunFileDialog 2
469 C:\ie5src\PRIVATE\SHELL\EXPLORER\TRAY.C
1696 C:\ie5src\shell\explorer\tray.c
SHAbortInvokeCommand 2

DAD = Drag + Drop

impl

"Image dragging API
(definitely private)"

"NEVER think about
making this function
public!"

shdocvw\dlf;
IExpDispSupport OC
OC = 'Ok Control'
SD =
shvock.cpp
see ISearchAssistant OC, 213
+ .class files,
EXDisp.h
IExpDataList
IShellCOM Hook
IShellFolderViewData, 2 -
not all doc??
get-script

shell32_maybe.log

694 C:\ie5src\PRIVATE\SHELL\SHDOCW\DDE.C
821 C:\ie5src\PRIVATE\SHELL\SHELL32\SHLOBSJ.C
SHChangeNotifyUpdateEntryList 2
748 C:\ie5src\PRIVATE\SHELL\SHELL32\FNOTIFY.C
1936 C:\ie5src\shell\shell32\fsnotify.c
SHCreateDefClassObject 4
555 C:\ie5src\PRIVATE\SHELL\EXT\RNAUI\CONTAIN.C
729 C:\ie5src\PRIVATE\SHELL\SHELL32\DEFCLSF.C
1752 C:\ie5src\shell\ext\rnau\contain.c
1916 C:\ie5src\shell\shell32\defclsf.c
SHCreateLinks 6
568 C:\ie5src\PRIVATE\SHELL\EXT\RNAUI\SUBOBJ.C
730 C:\ie5src\PRIVATE\SHELL\SHELL32\DEFCM.C
749 C:\ie5src\PRIVATE\SHELL\SHELL32\FSTREEX.C
800 C:\ie5src\PRIVATE\SHELL\SHELL32\PRINTER1.C
1937 C:\ie5src\shell\shell32\fstreex.c
1987 C:\ie5src\shell\shell32\printer1.c
SHFindComputer 3
469 C:\ie5src\PRIVATE\SHELL\EXPLORER\TRAY.C
694 C:\ie5src\PRIVATE\SHELL\SHDOCW\DDE.C
1696 C:\ie5src\shell\explorer\tray.c
SHFreeUnusedLibraries 4
463 C:\ie5src\PRIVATE\SHELL\EXPLORER\INITCAB.C
711 C:\ie5src\PRIVATE\SHELL\SHELL32\BINDER.C
1690 C:\ie5src\shell\explorer\initcab.c
1968 C:\ie5src\shell\shell32\ole2def.c
SHGetNetResource 6
737 C:\ie5src\PRIVATE\SHELL\SHELL32\DRIVESX.C
777 C:\ie5src\PRIVATE\SHELL\SHELL32\NETVIEWX.C
799 C:\ie5src\PRIVATE\SHELL\SHELL32\PRINTER.C
1923 C:\ie5src\shell\shell32\drivesx.c
1965 C:\ie5src\shell\shell32\netviewx.c
1986 C:\ie5src\shell\shell32\printer.c
SHGlobalDefect 4
694 C:\ie5src\PRIVATE\SHELL\SHDOCW\DDE.C
779 C:\ie5src\PRIVATE\SHELL\SHELL32\NOTHUNK.C
1966 C:\ie5src\shell\shell32\nothunk.c
2201 C:\ie5src\shell\win16\shell16\init.c
SHHandleDiskFull 2
712 C:\ie5src\PRIVATE\SHELL\SHELL32\BITBUCK.C
1902 C:\ie5src\shell\shell32\bitbuck.c
SHIsBadInterfacePtr 2
711 C:\ie5src\PRIVATE\SHELL\SHELL32\BINDER.C
1969 C:\ie5src\shell\shell32\ole2dup.c
SHLogILFromFSIL 5
703 C:\ie5src\PRIVATE\SHELL\SHDOCW\ONETREE.C
749 C:\ie5src\PRIVATE\SHELL\SHELL32\FSTREEX.C
830 C:\ie5src\PRIVATE\SHELL\SHELL32\ULROOTX.C
1937 C:\ie5src\shell\shell32\fstreex.c
2014 C:\ie5src\shell\shell32\ulrootx.c
SHNetConnectionDialog 10 [tokens_ie5_c_.log]
SHOutOfMemoryMessageBox 1
777 C:\ie5src\PRIVATE\SHELL\SHELL32\NETVIEWX.C
SHRegisterDragDrop 4
469 C:\ie5src\PRIVATE\SHELL\EXPLORER\TRAY.C
781 C:\ie5src\PRIVATE\SHELL\SHELL32\OLE2DEF.C
804 C:\ie5src\PRIVATE\SHELL\SHELL32\PROWND.C
1968 C:\ie5src\shell\shell32\ole2def.c
SHRevokeDragDrop 2
781 C:\ie5src\PRIVATE\SHELL\SHELL32\OLE2DEF.C
1968 C:\ie5src\shell\shell32\ole2def.c
SHWaitForFileToOpen 2
817 C:\ie5src\PRIVATE\SHELL\SHELL32\SHLEXEC.C

Uk shell 32.4
Find Execlg Proc
- Awaited to

impl; sub

- slightly different from OLB
- impl; same as public

call BUUnloadNow for early
timer - at DLL; WMLR
DLL list 1992-3

impl

- used in fix for WinFax Pro

- impl; says for WinFax Pro
- No, why around ord

- impl; "hardening!"
- "

- impl? do wrapper

- impl

~~MISSING some
IES that Google found!
sent to (COP)
NO, lists for C, CPP
are separate~~

shell32_maybe.log

2003 C:\ie5src\shell\shell32\shlexec.c
 SHWinHelp 1
 841 C:\ie5src\PRIVATE\SHELL\SHELL32\UTIL.C
 SHWinHelpOnDemandWrap 2
 1806 C:\ie5src\shell\ext\url\filetype.c
 1807 C:\ie5src\shell\ext\url\fsassoc.c
 SetAppStartingCursor 2
 817 C:\ie5src\PRIVATE\SHELL\SHELL32\SHLEXEC.C
 841 C:\ie5src\PRIVATE\SHELL\SHELL32\UTIL.C
 _DAD_DragEnterEx2 1
 1895 C:\ie5src\shell\shdocvw\dllload.c
 _RunFileDialog 2
 469 C:\ie5src\PRIVATE\SHELL\EXPLORER\TRAY.C
 1696 C:\ie5src\shell\explorer\tray.c
 _DAD_DragEnterEx2 2
 1548 C:\ie5src\shell\browseui\dllload.c
 1895 C:\ie5src\shell\shdocvw\dllload.c

ArrangeWindows 1
 3186 C:\ie5src\shell\shell32\util.cpp *sub, no one using*
 DAD_DragEnterEx 6
 803 C:\ie5src\PRIVATE\SHELL\SHDOCVW\DROPTGT.CPP
 906 C:\ie5src\PRIVATE\SHELL\SHDOCVW\TREEDROP.CPP
 923 C:\ie5src\PRIVATE\SHELL\SHELL32\DEFVIEW.CPP
 1976 C:\ie5src\shell\browseui\droptgt.cpp
 2616 C:\ie5src\shell\ext\thumbvw\dllload.cpp
 2888 C:\ie5src\shell\lib\droptgt.cpp
 DAD_DragEnterEx2 7
 1976 C:\ie5src\shell\browseui\droptgt.cpp
 2041 C:\ie5src\shell\browseui\util.cpp
 2616 C:\ie5src\shell\ext\thumbvw\dllload.cpp
 2628 C:\ie5src\shell\ext\thumbvw\thextsup.cpp
 2888 C:\ie5src\shell\lib\droptgt.cpp
 3086 C:\ie5src\shell\shdocvw\util.cpp
 3186 C:\ie5src\shell\shell32\util.cpp
 DAD_SetDragImageFromListView 2
 923 C:\ie5src\PRIVATE\SHELL\SHELL32\DEFVIEW.CPP
 3101 C:\ie5src\shell\shell32\defview.cpp
 ILGlobalClone 3
 881 C:\ie5src\PRIVATE\SHELL\SHDOCVW\SHBROWSE.CPP
 927 C:\ie5src\PRIVATE\SHELL\SHELL32\ENUM.CPP
 3112 C:\ie5src\shell\shell32\enum.cpp
 InvalidateDriveType 3
 796 C:\ie5src\PRIVATE\SHELL\SHDOCVW\DESKTOP.CPP
 2941 C:\ie5src\shell\shdoc401\unicpp\desktop.cpp
 3157 C:\ie5src\shell\shell32\unicpp\desktop.cpp
 RunFileDialog 2
 938 C:\ie5src\PRIVATE\SHELL\SHELL32\RUNDLG.CPP *type - ahead*
 3132 C:\ie5src\shell\shell32\rundlg.cpp *secret read*
 SHAbortInvokeCommand 2
 2936 C:\ie5src\shell\shdoc401\unicpp\dde.cpp
 3152 C:\ie5src\shell\shell32\unicpp\dde.cpp
 SHCreateLinks 3
 925 C:\ie5src\PRIVATE\SHELL\SHELL32\DOCFINDX.CPP
 3100 C:\ie5src\shell\shell32\defcm.cpp
 3108 C:\ie5src\shell\shell32\docfindx.cpp
 SHFindComputer 4
 925 C:\ie5src\PRIVATE\SHELL\SHELL32\DOCFINDX.CPP *Thread*
 2936 C:\ie5src\shell\shdoc401\unicpp\dde.cpp
 3108 C:\ie5src\shell\shell32\docfindx.cpp
 3152 C:\ie5src\shell\shell32\unicpp\dde.cpp
 SHGlobalDefect 2
 2936 C:\ie5src\shell\shdoc401\unicpp\dde.cpp
 3152 C:\ie5src\shell\shell32\unicpp\dde.cpp *Win Fax Pro*

shell32_maybe.log

SHHandleDiskFull 3
 796 C:\ie5src\PRIVATE\SHELL\SHDOCW\DESKTOP.CPP
 2941 C:\ie5src\shell\shdoc401\unicpp\desktop.cpp
 3157 C:\ie5src\shell\shell32\unicpp\desktop.cpp
 SHLogILFromFSIL 4
 167 C:\ie5src\PRIVATE\SHELL\COMDLG32\FILENEW.CPP ✓
 2016 C:\ie5src\shell\browseui\onetree.cpp
 2054 C:\ie5src\shell\comdlg32\filenew.cpp
 3451 C:\ie5src\shell\win16\comdlg\filenew.cpp
 SHOutOfMemoryMessageBox 1
 3186 C:\ie5src\shell\shell32\util.cpp
 SHRegisterDragDrop 2
 923 C:\ie5src\PRIVATE\SHELL\SHELL32\DEFVIEW.CPP ✓
 938 C:\ie5src\PRIVATE\SHELL\SHELL32\RUNDLG.CPP ✓
 SHRevokeDragDrop 2
 751 C:\ie5src\PRIVATE\SHELL\SHDOCW\BASESB.CPP
 2972 C:\ie5src\shell\shdocw\basesb.cpp
 SHWaitForFileToOpen 3
 879 C:\ie5src\PRIVATE\SHELL\SHDOCW\SENDTO.CPP
 2963 C:\ie5src\shell\shdoc401\unicpp\sendto.cpp
 3178 C:\ie5src\shell\shell32\unicpp\sendto.cpp
 SHWinHelp 1
 3186 C:\ie5src\shell\shell32\util.cpp
 SHWinHelpOnDemandA 1
 3214 C:\ie5src\shell\shlwapi\util.cpp
 SHWinHelpOnDemandW 1
 3214 C:\ie5src\shell\shlwapi\util.cpp
 SHWinHelpOnDemandWrap 1
 2022 C:\ie5src\shell\browseui\rgtreeop.cpp
 2111 C:\ie5src\shell\cpl\inetcp1\mainwnd.cpp
 2231 C:\ie5src\shell\ext\cdfview\proppgs.cpp
 2993 C:\ie5src\shell\shdocw\dochost.cpp
 3002 C:\ie5src\shell\shdocw\favorite.cpp
 3048 C:\ie5src\shell\shdocw\opsprof.cpp
 3075 C:\ie5src\shell\shdocw\thicket.cpp
 SetAppStartingCursor 2
 3113 C:\ie5src\shell\shell32\execute.cpp
 3186 C:\ie5src\shell\shell32\util.cpp
 _DAD_DragEnterEx2 1
 2616 C:\ie5src\shell\ext\thumbvw\dllload.cpp
 DAD_DragEnterEx 1
 590 C:\msn_src\MSNExplorer\XPCLIENT\src\mars\frame\core\dllload.cpp
 DAD_DragEnterEx2 1
 590 C:\msn_src\MSNExplorer\XPCLIENT\src\mars\frame\core\dllload.cpp
 SHWinHelpOnDemandWrap 1
 597 C:\msn_src\MSNExplorer\XPCLIENT\src\mars\frame\core\iforms.cpp
 _DAD_DragEnterEx2 1
 590 C:\msn_src\MSNExplorer\XPCLIENT\src\mars\frame\core\dllload.cpp
 _DAD_DragEnterEx2 1
 590 C:\msn_src\MSNExplorer\XPCLIENT\src\mars\frame\core\dllload.cpp

desktop browser and proc

register dialog box + edit control as drop target

SHWinHelp On Demand
 not just plain wrap?
 where impc?

also under!

Missip any *h* ignoing from MSOE.Dll

Possibly undoc APIs in MSOE (msimn) msoe_maybe.log
All from xpsrc\sid9238\inetcore\OutlookExpress\
Didn't find any in ie5src\PRIVATE\INET\ATHENA

INSETREL, 2
INATH AppStart
IWinEventHandler
IInitWebLinkedWebOC

- getUIVersion 1
- 199 inetcomm\common\attach.cpp
- IID_IWinEventHandler
- 360 mailnews\common\itbar.cpp
- 390 mailnews\common\tbbands.cpp
- IID_OLEDBSimpleProvider 2
- 443 mailnews\om\oedocs.cpp
- 445 mailnews\om\table.cpp
- IStream_Write_Scopes 2
- 515 mapitest\sample.cli\mapidbg.c
- 732 wabw\wabapi\mapidbg.c
- MLGetUILanguage 3
- 287 inetcomm\mimeole\internat.cpp
- 346 mailnews\common\fonts.cpp
- 382 mailnews\common\spell.cpp
- OLEDBSimpleProvider 2
- 443 mailnews\om\oedocs.cpp
- 445 mailnews\om\table.cpp
- OLEDBSimpleProviderListener 2
- 443 mailnews\om\oedocs.cpp
- 445 mailnews\om\table.cpp
- SHPindlOfCLSID 1
- 97 AutoDiscovery\client\ACemail.cpp
- addOLEDBSimpleProviderListener 2
- 443 mailnews\om\oedocs.cpp
- 445 mailnews\om\table.cpp
- removeOLEDBSimpleProviderListener 2
- 443 mailnews\om\oedocs.cpp
- 445 mailnews\om\table.cpp

complete code

1993-6 "Athens browser" code
main band, cpp
has CMAINBAND overrides
IWinEventHandler

- Add Email Auto Complete
re: SHAuto Complete?
3/1/2000
auto complete for email addresses

Schulman_IA 0727
Highly Confidential

Get SHOLEDB

Search for "Private API"

shwinp.h
winuserp.h
shellp.h
napi.def

shwinp characterized as "API"
shpriv

winuserp.h "Private" for user component
"Private API" - Is Hung App Window
Registers System Thread

SH Is consistent API
SH Reflex Settings - IES
SH Copy Moniker T.Temp - Get list
Get Download Copy Data Loss Text? - IES

Page 1

DOU
SH Object Properties 172
SH CreateDef Class Object 70
SH Get Net Resource 69

just wrappers, exec ?

msntok.log

Possibly undoc calls in MSN -- see c:\msn_src

CLSIDFromProgIDWrap 1
675 MSNExplorer\XPCLIENT\src\mars\lib\clthunk\unicwrap.cpp
DeleteMenuWrap 1
675 MSNExplorer\XPCLIENT\src\mars\lib\clthunk\unicwrap.cpp
GUIDFromStringA 1
673 MSNExplorer\XPCLIENT\src\mars\lib\clthunk\mlwapi.cpp
GetLongPathNameWrapA 1
675 MSNExplorer\XPCLIENT\src\mars\lib\clthunk\unicwrap.cpp
GetUIVersion 1
590 MSNExplorer\XPCLIENT\src\mars\frame\core\dllload.cpp
IUnknown_Exec 1 - *MSN has implem*
673 MSNExplorer\XPCLIENT\src\mars\lib\clthunk\mlwapi.cpp
IUnknown_QueryStatus 2
640 MSNExplorer\XPCLIENT\src\mars\frame\core\toolbars.cpp
673 MSNExplorer\XPCLIENT\src\mars\lib\clthunk\mlwapi.cpp
ORD_MLGETUILANGUAGE 1
1090 MSNMessenger\XPCLIENT\src\b1\msbl\msblapp.cpp
PFNMLGETUILANGUAGE 1
1090 MSNMessenger\XPCLIENT\src\b1\msbl\msblapp.cpp
SHAnsiToUnicodeCP 3
611 MSNExplorer\XPCLIENT\src\mars\frame\core\msgnot.cpp
674 MSNExplorer\XPCLIENT\src\mars\lib\clthunk\uniansi.cpp
675 MSNExplorer\XPCLIENT\src\mars\lib\clthunk\unicwrap.cpp
SHAnsiToUnicodeCPEX 2
674 MSNExplorer\XPCLIENT\src\mars\lib\clthunk\uniansi.cpp
675 MSNExplorer\XPCLIENT\src\mars\lib\clthunk\unicwrap.cpp
SHChangeNotifyWrap 1
672 MSNExplorer\XPCLIENT\src\mars\lib\clthunk\e_notimpl_thunk.cpp ??
SHGetCurColorRes 1 - *MSN has imple*
673 MSNExplorer\XPCLIENT\src\mars\lib\clthunk\mlwapi.cpp
SHInterlockedCompareExchangePointer 1
906 MSNExplorer\XPCLIENT\src\mars\setup\richui\utils.cpp
SHUnicodeToAnsiCP 3
674 MSNExplorer\XPCLIENT\src\mars\lib\clthunk\uniansi.cpp
711 MSNExplorer\XPCLIENT\src\mars\lib\xml.cpp
874 MSNExplorer\XPCLIENT\src\mars\setup\mangen\mangen.cpp
SHUnicodeToAnsiCPEX 1
674 MSNExplorer\XPCLIENT\src\mars\lib\clthunk\uniansi.cpp
TrackPopupMenuExWrap 1
675 MSNExplorer\XPCLIENT\src\mars\lib\clthunk\unicwrap.cpp
TrackPopupMenuWrap 1
675 MSNExplorer\XPCLIENT\src\mars\lib\clthunk\unicwrap.cpp

DOC API

SF Create shell Folder View

ies src isf.cpp

(sfview.h)

✓ folder.cpp

vstelp.h

vtrootx.c

✓ sfvcnpt.cpp - has SFCreateFromFolderViewEx
impl around SCSEV;

①

MS source code inspection
@ Belle, SF

Mon Aug 21, 2006

3 boxes + 1 envelope

Box 1 ~~was~~ accessed:

- ① W58 (old) [Java?] - don't access for
6/28/2006 now [14 CDs in
MSM-IA-265 (replacement) other box) -
MS-PC AIA 550131J more to other
box
- Produced by MS to Netscape, Matz MDL
- MS-CC-NET 000000043721 (5 of 14)

- ② IE S.O. sources for mainnet [from Bristol aka]
MSM IA 311
MS-PC AIA 550135V
MSB-CD 00003

- ③ LITHO
MSM IA 310
MS-PC AIA 550135I
MSB-CD 00002

(2)

Box 2 (Light House Document Technologies)

(4) XA RTM B 2600 - source
 MS D1 0000356
 MS-PCATA 05501348; Disc 2 of 3
 MSN-IA 298 Disc 1 of 1
 6/15/06

(5) "source code" - for what?
 MS-CC-BU 376947; CCBV-071
 MS-PCATA 00501349
 MSN-IA-299; Disc 1 of 1
 6/15/06

ND

also:

- 6 CDs of XA RTM B 2600 X86 Binaries
- 5 CDs of XA Home + Pro OPK
- 14 CDs of WFS (GOLD) source
- 6 CDs of WFS (incl. OSR 2, 2.1) source
- 2 CDs - Direct X 8.1 SDK [source?]
- 1 CD - Windows Media Format 7.1 SDK
- " - Media Rights Mgr 7.1 SDK
- " - Media Player 7 SDK

Schulman_IA 0731
 Highly Confidential

(6) IE 1.0 source
 MSN-IA-299
 MS-PCATA 5501307
 MS-CC-NET 0041617

(7) IE 2.0 src
 - 260
 - 1308
 - 43710

(3)

⑧ icbld - dist - ve 40158 25rc \$ [IE 4.0] source?
MSM IA 258
MS - PCAIA 5801306
MS - CC - NET 00 59985

box 2 also 2 CDs marked "danger",
"Nimds virus", "corrupt" w/ sketch + some tapes

box 2 also 1 DLT tape: "source code",
MSM IA 281,

⑨ MS PCAIA 5501329
MS - CC - NET 55479
6/15/06

- not described in letter 6/15/06 from P.G.E.

Box 3 (-lighthouse)

Schulman IA 0732
Highly Confidential

all other from letters:

Bambi + logs (SIA)
Win 31 beta
Fur East, Humpel
RAID databases
MS SWS
SD/CS, MSDN
Plaintiff exp.
Component
DR - DOS, source

Quick Pascal
Humpel DOS 2.25
WFS Real mode file system
MS-DOS source
WFS Real mode source
WFS IFSTEP source
Win 30 source
MS-DOS 4, 5, 6, 6-22 source
Win 3.1 source

	MS-PCATA	MSC	MSN-IA (4)
(9) Win31 source	5501181	5081818	117
(10) Win95 source	1182	81819	118
(11) MS-DOS 5.0 src	1183	81820	119
(12) Win95 IFS HELP src	1184	81821	120
(13) Win30 source	1185	81826	121
(14) Win95 rmode	1186	81860	122
(15) Win31 src	1187	-	123
(16) Win95 rmode file sys	5501221	5081860.1	157

UPS envelope has 1 CD ^{marked} / LATONX VINT

X1 ATM build 2600 - source
 "Disk 3 of 3" - where Discs 1, 2?

CD "2600SRC3"

2600src4.cab 266 MB

2600src5.cab 84 MB

65,363 files 1.6 GB

→ 11,073 files 303 MB

→ 11,073 files 303 MB

Explorer hangs trying to extract
 src extract.exe

Where 2600src[1, 2, 3...].cab ?

$\left[\begin{array}{l} \text{src 5 has windows} \backslash \text{advsrc} \backslash \text{dvsr} \\ \text{src 5 has windows} \backslash \text{richedit} \backslash \text{15src} \backslash \text{1stxx.c} \\ \text{no vgx} \end{array} \right.$

(5)

Use Google Desktop for indexing
yes, finds *.c, *.cpp
eg "undocumented" → debug.tricks.doc

Core Apps

"not ready, but we have to do it to support

our apps" core\ntgdi\client\output.c

"basic applications like WinWord"

core\ntuser\kernel\winsta.c

"undocumented ... alg to used in our internal product" & sdktools\mcmmsg\mcmmsg.c

"so that WinWord II people can continue to abuse undocumented functions"

core\ntuser\kernel\mnpoprv.c

"Microsoft apps" } φ (index 37% complete)
"ms apps"

"stolen from Exel code" rtf.h

- also check "borrowed"

"copied from" ?

"integrated" ? "integrated-shell" dllload.cpp

PLATFORM - INTEGRATED dl-runks.c

"bundled" ?

deck MS v nm - MS

lotus

Oracle

Corel "fix for"

Word Perfect

Symantec

Adobe

Netscape

Novell

"MS trusted applets" utilman.c

"trusted apps" Ø

"trusted applications" Ø } 55% complete

"MSO"

"steal it from office's cod (ms0\...) " real.cpp

"office art chunk" spngwrite_{ms0}.cpp

MSO, office Art, etc. meta_{wmf}.cpp

"not documented"

re Adobe, "through reverse engineering" adobe_{thm}.cs

"reverse engineering" ⊖ filetype: ~~txt~~

OE4 } MS Outlook Express
OE5 }

S-OEY-APPDETECT eg ren reg fn.c

emails? search for "Subject: RE."
Windows \winstate\doc\email\testing-priorities.htm
- directory has *.rtf
makeglst.c "read this email thread." "hack"
pagnoncrit.c "see... by #100541 and its log
email thread for solving this problem"

bug hack security fix kludge hacky ugly
workaround
hosebag stupid dumb broken [but not broken up,
broken out, ties broken, etc.]

"Internet Explorer"
"Windows Media Player" } error msgs?
etc.

requirements on DLLs eg MHTML, WAVECORE?

IM10*
IVg*

SHChangeNotify - "family of apis"
scrotify.doc

Author: zekel
Manager: cheechew
Created 8 Jan 98

PRINT ✓
shell \docs\
shell dev.doc

api
internal api filetype: doc
undocuments

DPA }
DSA }

windows\richedit contains %systemroot%\ms\31.def

IShell *
SHCreateShellFolderViewEx

MAPI who.cpp

SDM s2m95.h
classmap.cpp has boss_sdm vpin #ifndef
syscmd.c change for Excel SDM

ITso Compact Manager etc. ? -ø (S12)

office bug
" ? hack
workaround } sepilayr.h
"hack up for office"

office.h ?

SMB smbtrans.h

MsoF Exit of file (doc??)

9

Google Desktop search index complete @ 4:10 PM

56,586 files

on disk:	C files	4,556
	CPA	6,050
	H	11,174
	DEF	815
	DOC	86
	TXT	900

top file types:

11173	h	
9361	vfm	
7173	pfm	
6047	cpj	
4555	c	
2811	bmp	
2723	vs ifi ?	
2457	make file, sources	
1985	rib	
1854	ico	
:		
19	zip	- unzip zip - dir. bat
:		
6	cab	

ms\ino49.zip is encrypted

app zip / CAB extraction:

11358	h	
6052	cpp	
4709	c	
1024	inc	
820	def	
903	bat	
666	oxy	
518	hxx	
337	idl	
310	htm	- xp itself res —
280	hpp	
217	inf	1, 137
209	ini	
93	rtf	
:		
35	awk	

loc. awk to count lines of source code

Types

people missing some? need to build indet!

tok 2. awk finds eg:		
undocumented	42	- boogie 21
undocment	2	- 2
undoced	3	- 0
SHGetViewStatePropertyBag	8	- 1

shlwapi.h
"Internal APIs" which we're not sure whether to make public"

SHCreateShellFolderViewEx 14 - 0

- | | |
|-------------|---------------------------|
| tok 3. awk | tok look. awk |
| ✓ adm - inc | |
| ✓ c | |
| ✓ cpp | ✓ tot error line 30 |
| ✓ h | doc - <u>strings</u> |
| ✓ hpp | ✓ rtf |
| ✓ cxx | g XML |
| ✓ hxx | xls |
| ✓ def | |
| ✓ idl | xpsrc - doc. dir |
| - utm, html | strdoc. bat |
| - inf | strdoc. dir - add. to |
| - ini | ✓ ppd? spd? |
| ✓ rc | <u>ofm? pfm? ifi? bin</u> |

template.c:

CTemplate folder:: CreateViewObject ->
s f f Create ShellFolderViewEx

12

DOC??

IShellFolder:: CreateViewObject - when doc?

NO, NOT PASS THROUGH - DefView Callback

Finding lots of MSO
doc host.c
activate MSOView etc.

input.c

MSO

fix for Word Perfect write

WMP?

code calling WMCreateReader in shell... ext
but not code implementing it

DirectViewing

Windows \ advcore \ directvi \

Schulman_IA 0741
Highly Confidential

re: GADGET

directory of DOCS in HTML

"Internal one"

Windows \ advcore \ duser \ docs \ api \ *.htm

HACKHACK

Makefile

bit of Explorer

Makefile almost blank

makefile ~~something~~ - establish obj dep??

make -f to make.mak →

\xpsec\public\srk\lib\makefile.txt

every file built by NT wild lib.

lists vsx.dll, user.dll, msls31.dll

msows409.dll ; office Name space extension

add -ccc to hklork.mak

— just a few
— component - description.h

Makefile
→ sources

make files.mak

→ make files.dep.db

Find IE source

NO - of MSHHTML calls UnlockURLCacheEntry file
only hit in wininet.h

IE 5.0 sources for Minisat cds
IESSRC.TAR 367 MB
PUBLIC
PRIVATE } ← different

(19)

Virus? from tar
ieSSRC\Scripts\doc\dispec.doc

IESSRC - "undocumented" etc. search after index

DOC ✓
XLS
PPT

MSLS in IE5, MSHTML

"significant" disk space

Schulman_IA 0743
Highly Confidential

check MS-DOS 6 source re OS/2 mss?
"considerable disk space"

"OS/2 Files Detected"
detect.c

Compressed
Extract
Arms?

ASiWfM NTOS2boot
PS2 OS2
PS2 OS2boot file 1 / 2 / 3

~~md-text.h~~ ~~not~~ ~~elsewhere~~ ~~in~~ ~~code~~
don't understand

OS2LDR, OS2KRNL, STMP.CAP

AsiWarn NTOS2 boot

1201	129	7.1.
1235	157	7.1.
1370	248	Creating
1267	183	detected
1223	177	format
1221	145	
1247	167	
1257	175	

"API hardening" ?
 eg Shellcode shell folder view/Exp
 can't find implementation

DPA - Create

Was done quickly after GetFile C on Dave M blog
 do now "hardening," or was already?
 \ic5src\private\shell\comctl32\da.c

MSRC MSCS already param validation

- LSC;
- LSSE
- etc.

(16)

PSETID - MAPI etc.

OUTLOOK EXPRESS

MSOE api. h

S-OFFICE - COMPONENT

opm.c

Fri, Sept 8

return to Belle for remainder of XP source
+ Mike source (password)

- redo indexes of XP source to include previously - missing code.
- index MSO source.

- look for following in MSO:

DVIRT, Native V2Hwnd ?

MSLS

SEO, IEvent..., Imm... - msonext

IDirect - msorun

- look for following in XP source:

VBX INSO

other INSO, esp → DocObj

MSOE / MAPI PSETID

Schulman_IA 0745
Highly Confidential

→

TODO:

(17)

- get full API imports by office
- IE, MSOE, WMP ordinal imports,
exp shdocvw from shlwapi
SHGetObjcatCompatFlags
SHGetVerWorkStation
MCLoadMoffInstance
SHSimulateDrop
SHChangeNotifyWmp
:
- if time, redo JB W95 v W31 code comparison:
exp why ^{JB} see so much real-mode code?
- hardening of shlwapi APIs?



Office XP 2002

(18)

8/23/06

MS-AC AIA 5501391

MSA-IA-375

2, 651, 907, 379 b office xp. zip 8/29/06

pkzipc -dir - 65, 535 files (!)

[pkzipc not handle very large zip?]

Explorer hangs? - NO, BUT VERY LONG TIME

Get new Win zip v9 + results look wrong?

NO. Word, NO
small (1.6 MB)

pkzcr84007rn.exe -error

password (9/6 email): m-s-c-c

New PKZIPC sees xl?, Word?, etc.

14GB 105,682 files

password not required??

stop, for new set do :c, .cpp, .h ...

offscr.dir

.c, .cpp, .h, .hpp, .cxx, .hxx

-also do .inc, .idl, .def, .txt

not others for now

tok3

c-	✓	2985	idl	- 161
cpp-	✓	9129	txt	- 1219
h-	✓	7620	def	- 862
hpp-	✓	176	sc	

- from off Google Index
Emporish

(19)

does office source include msonsect?
ofools / suvamp / x86 / dehus / msonsect.pdb
/ ship /

msonvun?
ppt / wild / x86 / ship / dlls / msonvun.pdb

mso.pdb?

dumppe - disasm msonsect.dll	} dll/pdb kinds
+ .pdb	
grep IEvent msonsect.asm ✓	}
5E0	

do strings on mso.pdb, etc. - mso_pdb.u

\xpsrc \public \internal \inetsrv \seo.idl

msonsect - mson5409

MM

(20)

~~finish office index~~
~~look at XP source merged~~
look at IE7 source - next time
etc

[PCZIPC warning reading XP RTM zip

Office 2003 zip on USB drive
MSM-1A-327
9/1/06
MS-PCMA 5501393
UK PCZIPC - password =
has msosext.h
About 62,000 *.c, .cpp, .h, .hpp, .idl, .def, .txt, etc. files
~ 1.3 sig

Missing: how many symbols of in
msos.pdb, msosext.pdb, etc. missing?

msosext.pdb not match. API available
msosext.24

Thu 9/14

(21)

TO DO:

- ~~1) recheck XP source DVD - drive layer - drive??~~
- ~~2) if can ^{ZIP 10.0} index XP src, ~~on~~ ~~not~~ index *.*~~
- 3) Office source: IASO Component Manager description
- 4) Office source: ^{web folders?} MSOINEXT + SEO? see *.PDB
- 5) if XP src, find IE + WMP ~~etc~~ - error msg / check?
- 6) Office: list all APIs + interfaces
- 7) Office PDB: match of binaries??
- 8) "hardening" of SHLWAPI APIs?
- 9) look at code for eg photovw → ^{coll:} shellwapi; why
- ~~10) find all IASO in XP src~~
- 11) revisit JB WINGS full v prot experiment?
- 12) look at XP src: MS OE - ^{PSETID} RAPI, HTTPMail?
- 13) lists of all orb-only imp?
- 14) look through comments re "undocumented", "ms ag" etc.
- 15) MSO + VB VBA in XP?
- 16) Narrator, ITS + WMA? DirectShow? WINMM?
- 17) XP support for MSO vs. support for non-MS
- 18) VEX in XP w/ MSO IVg, VAL, VEX...
- 19) Undoc in regist DLLs, eg GDI + ?
- 20) comments to show OS source difference from doc
- 21) Outlook Express → Outlook / Voice
- ~~22) WMP source?? multimedia network ... ~~WPA wmpayer.pdb~~~~

XP src
 WinZIP 10.0 didn't work directly on drive D: (22)
 " " " " drive E:
 can't copy F

some
 files -
 10/24

couldn't copy from D: to C:
 but could copy from E: to C:
 & WinZip 10.0 now working on C:

→ 366,785 files
 13.89 gig
 100, vsb directories

index

C	31,619 files
CPP	28,951
H	68,135
HPP	1,139
CXX	8,640
HXX	5,962
IDL	1,913
RC	8,420
TXT	5,371
DBF	4,645
REG	
DOC	1,616
PDB	4,593

✓
 ✓
 ✓
 ✓

} → list first

xpsrc 2600-def.tif

use DEF to locate components ✓

(23)

but how
low
school
part
of
XP?
Bennett
mentioned
winapi
but
Bennett
is
also
win.
office,
so
...

① VGX

sid 9238 \inetcore\vm\ms\oa\vgxparse

ms\9\imports.cpp

.h

parsevg.cpp

\inetcore\vm\ms\dr\dr\pinfo.txt
"BUIP = Big Large Image of Picture"

② DUSER

sid 9238 \windows\advcore\DUser\Engine\DUser\DUser.def

DirectUI\old\Engine\DLL...

" \New\DLL...

GetGadget etc. identified in DEF as "WinAppZ"
(Phone Build Animation etc. merely as "Ctrl")

... \windows\advcore\DUser\Docs\api.hcs
still * .htm, e. send gadget message

correlate .v. ones

TODD: ~~find~~ used by MSN, IE7, etc.

③ MSL5

windows\tricketit\lsrc\msls31.def

lsrc\live.c - lsrc create live, etc. identified as

"An exported LiveServices API"

④ MSOE - inetcore \ outlook Express

→

inetcore \ outlook Express \ exhost \ exhost.cpp

has IASO Component Manager

Make sure
not just for
outlook import

inetcore \ mshtml \ src \ outlook \ mshtmlol.def

- outlook Background Spelling Extension
- in MSHTML?

IOUTLOOKEXTcallback

→

IOUTLOOKEXTIFACEVENTS

only spec
in mshtml
re playlist

— find amount source

→ ⑤ WMP - no WMP, WMV ???

multimedia \ media \ mplayer2 \ mplayer.def

media \ winmm \ winmm.def

\ msacm

\ mci ole

\ avi

... etc.

multimedia \ ds.how \ vidctl

\ directx \ music

" \ dplay

\ dsound

⑥ IE shdocvw - no def?? code in shell\shdocvw
 mshtml - inetcore\mshtml
 shell\ieframe\ieframe.def
 shlwapi - no def?? code in shell\shlwapi

⑦ other "mso" file names in XP source:
 inetcore\mshtml\src\site\base\formmso.cxx
 \core\cibase\basemso.cxx
 - Implementation of Idle Command Target
 MSOCMD?

→ ⑧ grep mso xpsrc cpp, etc. xpsrc_cpp_mso.log
 also need to do lotus, WP, etc. &
 "Office", "Excel", "WinW", "PowerP", "Outlook" (not Exp)
 fMsoDocMode
 by MsoCommandTarget
~~Shell~~ MsoView (DocObj)
 shell\entmon
 inetrv\query\Filters
 shell\ext\docprop

