

hdsOutlookLibrary

Developer Information

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This is a set of Windows executables that communicate with Outlook via standard i/o. This allows them to be used from the command line and by Sesame using @RedirectProcess. A suite of examples is included in hdsOutlookLibrary.dsr. The SBasic in the dsr expects the exes to be in the current working directory.

hdsOLGetOutlookAppointments.exe:

Gets a list of Appointments or returns full information on a single Appointment.

Example Form: Calendar

Arguments

1. EntryID - String (Required) - EntryID or "-1". EntryId gets a single item. "-1" gets all items.
2. FolderID - String (Required) - FolderID or "-1". "-1" uses default Folder
3. StoreID - String. Not used. Pass "-1".
4. Display - Int (Optional, Defaults to "0") - Controls whether a single Item is displayed in Outlook ("1") or returned to the calling program ("0"). Only used when EntryID is not "-1".
5. Filter - String (Optional, Defaults to "") - Sets a Filter as specified by the Restrict method of the Outlook Items object. Can be used to limit the items returned. Only used when EntryID is "-1".
6. Category - String (Optional, Defaults to "") - Pass the name of an Outlook Category to limit items returned to that Category. Only used when EntryID is "-1".

Usage

```
hdsOLGetOutlookAppointments.exe EntryID FolderID [Optional arguments]
```

To get all items from the default folder categorized as Red Category:

```
hdsOLGetOutlookAppointments.exe "-1" "-1" "" "" "" "Red Category"
```

To display a single item in Outlook (EntryId shown is an example. You need an actual EntryID from your Outlook item)

```
hdsOLGetOutlookAppointments.exe  
"00000000D04D936A971B9949B29C546E1BF88923070069265AC77A48AF4EAD3161FA67" "-1" "" "1"
```

Output

If EntryID = "-1" output is a line for each matching item as a semicolon-delimited string (StringArray). Each line contains the following: Subject;StartDate/Time;MeetingStatus;EntryID

MeetingStatus indicates whether the item is an Appointment or a Meeting. Possible values are:

```
NonMeeting = 0  
Meeting = 1  
MeetingReceived = 3  
MeetingCanceled = 5
```

If EntryID <> "-1" output is a tagged list of all the properties of the item. See the SBasic in the dsr for examples of parsing this list.

```
<Item>  
  <Property1>Value</Property1>  
  <Property2>Value</Property2>  
  <Property3>Value</Property3>  
</Item>
```

hdsOLGetOutlookContacts.exe

Gets a list of Contacts or returns full information on a single Contact.

Example Form: Contacts

Arguments

1. EntryID - String (Required) - EntryID or "-1". EntryId gets a single item. "-1" gets all items.
2. FolderID - String (Required) - FolderID or "-1". "-1" uses default Folder
3. StoreID - String. Not used. Pass "-1".
4. Display - Int (Optional, Defaults to "0") - Controls whether a single Item is displayed in Outlook ("1") or returned to the calling program ("0"). Only used when EntryID is not "-1".
5. Filter - String (Optional, Defaults to "") - Sets a Filter as specified by the Restrict method of the Outlook Items object. Can be used to limit the items returned. Only used when EntryID is "-1".
6. Category - String (Optional, Defaults to "") - Pass the name of an Outlook Category to limit items returned to that Category. Only used when EntryID is "-1".

Usage

```
hdsOLGetOutlookContacts.exe EntryID FolderID [Optional arguments]
```

To get all items from the default folder categorized as Red Category:

```
hdsOLGetOutlookContacts.exe "-1" "-1" "" "" "" "Red Category"
```

To display a single item in Outlook (EntryId shown is an example. You need an actual EntryID from your Outlook item)

```
hdsOLGetOutlookContacts.exe
```

```
"00000000D04D936A971B9949B29C546E1BF88923070069265AC77A48AF4EAD3161FA67" "-1" "" "1"
```

Output

If EntryID = "-1" output is a line for each matching item as a semicolon-delimited string (StringArray). Each line contains the following: LastName;FirstName;CompanyName;EmailAddress;EntryID

If EntryID <> "-1" output is a tagged list of all the properties of the item. See the SBasic in the dsr for examples of parsing this list.

```
<Item>
  <Property1>Value</Property1>
  <Property2>Value</Property2>
  <Property3>Value</Property3>
</Item>
```

hdsOLGetOutlookDistLists.exe

Gets a list of Distribution Lists or returns full information on a single Distribution List.

Example Form: Contacts

Arguments

1. EntryID - String (Required) - EntryID or "-1". EntryId gets a single item. "-1" gets all items.
2. FolderID - String (Required) - FolderID or "-1". "-1" uses default Folder
3. StoreID - String. Not used. Pass "-1".
4. Display - Int (Optional, Defaults to "0") - Controls whether a single Item is displayed in Outlook ("1") or returned to the calling program ("0"). Only used when EntryID is not "-1".
5. Filter - String (Optional, Defaults to "") - Sets a Filter as specified by the Restrict method of the Outlook Items object. Can be used to limit the items returned. Only used when EntryID is "-1".
6. Category - String (Optional, Defaults to "") - Pass the name of an Outlook Category to limit items returned to that Category. Only used when EntryID is "-1".

Usage

```
hdsOLGetOutlookDistLists.exe EntryID FolderID [Optional arguments]
```

To get all items from the default folder categorized as Red Category:

```
hdsOLGetOutlookDistLists.exe "-1" "-1" "" "" "" "Red Category"
```

To display a single item in Outlook (EntryId shown is an example. You need an actual EntryID from your Outlook item)

```
hdsOLGetOutlookDistLists.exe
```

```
"00000000D04D936A971B9949B29C546E1BF88923070069265AC77A48AF4EAD3161FA67" "-1" "" "1"
```

Output

If EntryID = "-1" output is a line for each matching item as a semicolon-delimited string (StringArray). Each line contains the following: DLName;Subject;MemberCount;EntryID

If EntryID <> "-1" output is a tagged list of all the properties of the item. The individual members of the Distribution List are included in the Members block. See the SBasic in the dsr for examples of parsing this list.

```
<Item>
  <Property1>Value</Property1>
  <Property2>Value</Property2>
  <Property3>Value</Property3>
  <Members>
    <Member>Name;EmailAddress;EntryID</Member>
    <Member>Name;EmailAddress;EntryID</Member>
    <Member>Name;EmailAddress;EntryID</Member>
  </Members>
</Item>
```

hdsOLGetOutlookMails.exe

Gets a list of Emails or returns full information on a single Email.

Example Form: Emails

Arguments

1. EntryID - String (Required) - EntryID or "-1". EntryId gets a single item. "-1" gets all items.
2. FolderID - String (Required) - FolderID or "-1". "-1" uses default Folder
3. StoreID - String. Not used. Pass "-1".
4. Display - Int (Optional, Defaults to "0") - Controls whether a single Item is displayed in Outlook ("1") or returned to the calling program ("0"). Only used when EntryID is not "-1".
5. Filter - String (Optional, Defaults to "") - Sets a Filter as specified by the Restrict method of the Outlook Items object. Can be used to limit the items returned. Only used when EntryID is "-1".
6. Category - String (Optional, Defaults to "") - Pass the name of an Outlook Category to limit items returned to that Category. Only used when EntryID is "-1".
7. Sort - String (Optional, Defaults to "") - Sets a Sort field as specified by the Sort method of the Outlook Items object. Only used when EntryID is "-1".

Usage

```
hdsOLGetOutlookMails.exe EntryID FolderID [Optional arguments]
```

To get all items from the default folder categorized as Red Category:

```
hdsOLGetOutlookMails.exe "-1" "-1" "" "" "" "Red Category"
```

To display a single item in Outlook (EntryId shown is an example. You need an actual EntryID from your Outlook item)

```
hdsOLGetOutlookMails.exe
```

```
"00000000D04D936A971B9949B29C546E1BF88923070069265AC77A48AF4EAD3161FA67" "-1" "" "1"
```

Output

If EntryID = "-1" output is a line for each matching item as a semicolon-delimited string (StringArray). Each line contains the following: To;SenderName;Subject;ReceivedTime;SentOn;EntryID

If EntryID <> "-1" output is a tagged list of all the properties of the item. See the SBasic in the dsr for examples of parsing this list.

```
<Item>
  <Property1>Value</Property1>
```

```
<Property2>Value</Property2>
<Property3>Value</Property3>
</Item>
```

hdsOLGetOutlookTasks.exe

Gets a list of Tasks or returns full information on a single Task.

Example Form: Tasks

Arguments

1. EntryID - String (Required) - EntryID or "-1". EntryId gets a single item. "-1" gets all items.
2. FolderID - String (Required) - FolderID or "-1". "-1" uses default Folder
3. StoreID - String. Not used. Pass "-1".
4. Display - Int (Optional, Defaults to "0") - Controls whether a single Item is displayed in Outlook ("1") or returned to the calling program ("0"). Only used when EntryID is not "-1".
5. Filter - String (Optional, Defaults to "") - Sets a Filter as specified by the Restrict method of the Outlook Items object. Can be used to limit the items returned. Only used when EntryID is "-1".
6. Category - String (Optional, Defaults to "") - Pass the name of an Outlook Category to limit items returned to that Category. Only used when EntryID is "-1".

Usage

```
hdsOLGetOutlookTasks.exe EntryID FolderID [Optional arguments]
```

To get all items from the default folder categorized as Red Category:

```
hdsOLGetOutlookTasks.exe "-1" "-1" "" "" "" "Red Category"
```

To display a single item in Outlook (EntryId shown is an example. You need an actual EntryID from your Outlook item)

```
hdsOLGetOutlookTasks.exe
```

```
"00000000D04D936A971B9949B29C546E1BF88923070069265AC77A48AF4EAD3161FA67" "-1" "" "1"
```

Output

If EntryID = "-1" output is a line for each matching item as a semicolon-delimited string (StringArray). Each line contains the following: Subject;DueDate;EntryID

If EntryID <> "-1" output is a tagged list of all the properties of the item. See the SBasic in the dsr for examples of parsing this list.

```
<Item>
  <Property1>Value</Property1>
  <Property2>Value</Property2>
  <Property3>Value</Property3>
</Item>
```

hdsOLOutlookNewAppointment.exe

Creates a new Outlook Appointment

Example Form: Calendar

Arguments

1. Display - Int (Optional, Defaults to "0") - Controls whether the new Item is displayed in Outlook ("1") for further action or not ("0").
2. FolderID - String (Optional) - FolderID or "-1". "-1" uses default Folder
3. StoreID - String. Not used. Pass "-1".

New item information is provided through standard input as a tagged list of values. See the SBasic in the dsr for examples of providing this information. Values which can be set are:

Subject (Required) - Comma separated list

Body

Categories - Comma separated list
Location
Start
ReminderMinutesBeforeStart
Duration
Importance
BusyStatus
AppointmentType - Appointment=0 Meeting=1
AllDayEvent
ReminderSet
ReminderPlaySound
RequiredAttendees - Comma separated list
OptionalAttendees - Comma separated list

The new Appointment can be created as an Appointment or as a Meeting. If the new Appointment is a Meeting, and Display is set to "0" then the Meeting will be sent to the specified attendees. If Outlook is not running, the outgoing messages may remain in the Outbox until the user starts Outlook manually and clicks Send/Receive.

hdsOLOutlookNewCategory.exe

Creates a new Outlook Category

Example Form: Categories

Arguments

1. CategoryName - String (Required) - The name of the new Category
2. CategoryColor - Int (Optional, Defaults to None/White) - Display color for new Category

Usage

```
hdsOLOutlookNewCategory.exe CategoryName [CategoryColor]
```

To create a new category with display color Dark Red:

```
hdsOLOutlookNewCategory.exe "MyCategory" 16
```

hdsOLOutlookNewContact.exe

Creates a new Outlook Contact

Example Form: Contacts

Arguments

1. Display - Int (Optional, Defaults to "0") - Controls whether the new Item is displayed in Outlook ("1") for further action or not ("0").
2. FolderID - String (Optional) - FolderID or "-1". "-1" uses default Folder
3. StoreID - String. Not used. Pass "-1".

New item information is provided through standard input as a tagged list of values. See the SBasic in the dsr for examples of providing this information. Values which can be set are:

AssistantName
AssistantTelephoneNumber
BillingInformation
Body
Business2TelephoneNumber
BusinessAddress
BusinessAddressCity
BusinessAddressCountry
BusinessAddressPostalCode
BusinessAddressPostOfficeBox
BusinessAddressState
BusinessAddressStreet
BusinessFaxNumber
BusinessHomePage

BusinessTelephoneNumber
CallbackTelephoneNumber
CarTelephoneNumber
Categories - Comma separated list
Children
CompanyName
ComputerNetworkName
CustomerID
Department
Email1Address
Email1DisplayName
Email2Address
Email2DisplayName
Email3Address
Email3DisplayName
FileAs
FirstName
FTPsite
FullName
GovernmentIDNumber
Hobby
Home2TelephoneNumber
HomeAddress
HomeAddressCity
HomeAddressCountry
HomeAddressPostalCode
HomeAddressPostOfficeBox
HomeAddressState
HomeAddressStreet
HomeFaxNumber
HomeTelephoneNumber
IMAddress
Initials
ISDNNumber
JobTitle
Language
LastName
MailingAddress
MailingAddressCity
MailingAddressCountry
MailingAddressPostalCode
MailingAddressPostOfficeBox
MailingAddressState
MailingAddressStreet
ManagerName
MiddleName
MobileTelephoneNumber
NickName
OfficeLocation
OrganizationalIDNumber
OtherAddress
OtherAddressCity
OtherAddressCountry
OtherAddressPostalCode
OtherAddressPostOfficeBox
OtherAddressState
OtherAddressStreet
OtherFaxNumber
OtherTelephoneNumber
PersonalHomePage
PrimaryTelephoneNumber
Profession
RadioTelephoneNumber

ReferredBy
Spouse
Subject
Suffix
TelexNumber
Title
TTYTDDTelephoneNumber
User1
User2
User3
User4
WebPage
Anniversary
Birthday
Gender
Importance
SelectedMailingAddress

hdsOLOutlookNewMail.exe

Creates a new Outlook Email (can handle text format, HTML Format, Attachments, etc.)

Example Form: Emails

Arguments

1. Display - Int (Optional, Defaults to "0") - Controls whether the new Item is displayed in Outlook ("1") for further action or not ("0").
2. FolderID - String (Optional) - FolderID or "-1". "-1" uses default Folder
3. StoreID - String. Not used. Pass "-1".

New item information is provided through standard input as a tagged list of values. See the SBasic in the dsr for examples of providing this information. Values which can be set are:

BodyFormat
Body
HTMLBody
Categories - Comma separated list
Subject
Importance
Attachments - Comma separated list
To (Required) - Comma separated list
CC - Comma separated list
BCC - Comma separated list
SendUsingAccount - Display name of account from which to send

If Display is set to "0" then the Email will be sent to the specified recipients. If Outlook is not running, the outgoing messages may remain in the Outbox until the user starts Outlook manually and clicks Send/Receive.

hdsOLOutlookNewTask.exe

Creates a new Outlook Email (can handle reminders)

Example Form: Tasks

Arguments

1. Display - Int (Optional, Defaults to "0") - Controls whether the new Item is displayed in Outlook ("1") for further action or not ("0").
2. FolderID - String (Optional) - FolderID or "-1". "-1" uses default Folder
3. StoreID - String. Not used. Pass "-1".

New item information is provided through standard input as a tagged list of values. See the SBasic in the dsr for examples of providing this information. Values which can be set are:

Subject (Required)
Body
Categories - Comma separated list

Role
DueDate
StartDate
ReminderTime
Importance
Status
ReminderSet
ReminderPlaySound

hdsOLOutlookUtilities.exe

Provides utility functions to list common Outlook elements - Categories, Category Colors, Folders.

Example Form for Categories and Category Colors: Categories

Example Form for Folders: All except Categories

Arguments

1. List - String (Required) - Specifies which list to return. Valid values are CATEGORIES, CATEGORY_COLORS, FOLDERS

Usage

hdsOLOutlookUtilites.exe List

To list Categories:

hdsOLOutlookUtilites.exe "CATEGORIES"

To list available Category Colors:

hdsOLOutlookUtilites.exe "CATEGORY_COLORS"

To list Folders:

hdsOLOutlookUtilites.exe "FOLDERS"

Output

Output is a line for each item as a semicolon-delimited string (StringArray). Each line contains the following:

Categories - Name;DisplayColor;CategoryID

CategoryColors - Color;Name

Folders -

StoreDisplayName;ParentFolderName;FolderName;EntryID;StoreID;DefaultItemType;ItemCount

Enumerations

Some of the values set/passed/returned must match Outlook's internal enumerations. These are all available on the Microsoft website, but below is a list of some of the ones you might need:

```
Public Enum OlCategoryColor
    olCategoryColorBlack = 15      'Black
    olCategoryColorBlue = 8        'Blue
    olCategoryColorDarkBlue = 23   'Dark Blue
    olCategoryColorDarkGray = 14   'Dark Gray
    olCategoryColorDarkGreen = 20  'Dark Green
    olCategoryColorDarkMaroon = 25 'Dark Maroon
    olCategoryColorDarkOlive = 22  'Dark Olive
    olCategoryColorDarkOrange = 17 'Dark Orange
    olCategoryColorDarkPeach = 18  'Dark Peach
    olCategoryColorDarkPurple = 24 'Dark Purple
    olCategoryColorDarkRed = 16    'Dark Red
    olCategoryColorDarkSteel = 12  'Dark Steel
    olCategoryColorDarkTeal = 21   'Dark Teal
    olCategoryColorDarkYellow = 19 'Dark Yellow
    olCategoryColorGray = 13      'Gray
```



```

    olCategoryColorGreen = 5           'Green
    olCategoryColorMaroon = 10        'Maroon
    olCategoryColorNone = 0           'No color assigned.
    olCategoryColorOlive = 7          'Olive
    olCategoryColorOrange = 2         'Orange
    olCategoryColorPeach = 3          'Peach
    olCategoryColorPurple = 9         'Purple
    olCategoryColorRed = 1            'Red
    olCategoryColorSteel = 11         'Steel
    olCategoryColorTeal = 6           'Teal
    olCategoryColorYellow = 4         'Yellow
End Enum

Public Enum OlBusyStatus
    olFree = 0 ' &h0
    olTentative = 1 ' &h1
    olBusy = 2 ' &h2
    olOutOfOffice = 3 ' &h3
End Enum

Public Enum OlDefaultFolders
    olFolderDeletedItems = 3 ' &h3
    olFolderOutbox = 4 ' &h4
    olFolderSentMail = 5 ' &h5
    olFolderInbox = 6 ' &h6
    olFolderCalendar = 9 ' &h9
    olFolderContacts = 10 ' &hA
    olFolderJournal = 11 ' &hB
    olFolderNotes = 12 ' &hC
    olFolderTasks = 13 ' &hD
    olFolderDrafts = 16 ' &h10
    olPublicFoldersAllPublicFolders = 18 ' &h12
End Enum

Public Enum OlGender
    olUnspecified = 0 ' &h0
    olFemale = 1 ' &h1
    olMale = 2 ' &h2
End Enum

Public Enum OlImportance
    olImportanceLow = 0 ' &h0
    olImportanceNormal = 1 ' &h1
    olImportanceHigh = 2 ' &h2
End Enum

Public Enum OlItemType
    olMailItem = 0 ' &h0
    olAppointmentItem = 1 ' &h1
    olContactItem = 2 ' &h2
    olTaskItem = 3 ' &h3
    olJournalItem = 4 ' &h4
    olNoteItem = 5 ' &h5
    olPostItem = 6 ' &h6
    olDistributionListItem = 7 ' &h7
End Enum

Public Enum OlMailingAddress
    olNone = 0 ' &h0
    olHome = 1 ' &h1
    olBusiness = 2 ' &h2
    olOther = 3 ' &h3
End Enum

```

```

Public Enum OlMailRecipientType
    olOriginator = 0 ' &h0
    olTo = 1 ' &h1
    olCC = 2 ' &h2
    olBCC = 3 ' &h3
End Enum

Public Enum OlMeetingRecipientType
    olOrganizer = 0 ' &h0
    olRequired = 1 ' &h1
    olOptional = 2 ' &h2
    olResource = 3 ' &h3
End Enum

Public Enum OlMeetingResponse
    olMeetingTentative = 2 ' &h2
    olMeetingAccepted = 3 ' &h3
    olMeetingDeclined = 4 ' &h4
End Enum

Public Enum OlMeetingStatus
    olNonMeeting = 0 ' &h0
    olMeeting = 1 ' &h1
    olMeetingReceived = 3 ' &h3
    olMeetingCanceled = 5 ' &h5
End Enum

Public Enum OlResponseStatus
    olResponseNone = 0 ' &h0
    olResponseOrganized = 1 ' &h1
    olResponseTentative = 2 ' &h2
    olResponseAccepted = 3 ' &h3
    olResponseDeclined = 4 ' &h4
    olResponseNotResponded = 5 ' &h5
End Enum

Public Enum OlSensitivity
    olNormal = 0 ' &h0
    olPersonal = 1 ' &h1
    olPrivate = 2 ' &h2
    olConfidential = 3 ' &h3
End Enum

Public Enum OlTaskStatus
    olTaskNotStarted = 0 ' &h0
    olTaskInProgress = 1 ' &h1
    olTaskComplete = 2 ' &h2
    olTaskWaiting = 3 ' &h3
    olTaskDeferred = 4 ' &h4
End Enum

Public Enum OlBodyFormat
    'olFormatUnspecified = 0 ' &h0
    olFormatPlain = 1 ' &h1
    olFormatHTML = 2 ' &h2
    olFormatRichText = 3 ' &h3
End Enum

```