

MAPI Support

GroupWise® Software Developer Kit

November 2012

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About This Guide

GroupWise offers extensive MAPI support by:

- ♦ Interfacing with the Microsoft Exchange client.
- ♦ Interfacing with mail-enabled MAPI applications such as WordPerfect, Microsoft, Office 97, and Microsoft Outlook 98 and 2000.
- ♦ Supporting all MAPI clients.

MAPI will work with the offline database. However, it will not synchronize, which defeats the Client/Cache mode.

IMPORTANT: Unless otherwise marked, the features in GroupWise MAPI will work with GroupWise 8 and later versions.

This guide contains the following sections:

- ♦ [Chapter 1, "Overview," on page 7](#)
- ♦ [Chapter 2, "Attachment Properties," on page 11](#)
- ♦ [Chapter 3, "Folder Properties," on page 15](#)
- ♦ [Chapter 4, "Message Properties," on page 19](#)
- ♦ [Appendix A, "Revision History," on page 103](#)

Audience

This guide is intended for GroupWise developers.

Feedback

We want to hear your comments and suggestions about this manual and the other documentation included with this product. Please use the User Comment feature at the bottom of each page of the online documentation, or go to [Novell Documentation Feedback \(http://www.novell.com/documentation/feedback.html\)](http://www.novell.com/documentation/feedback.html) and enter your comments there.

Additional Documentation

For additional GroupWise SDK documentation, see the [Novell Developer Web site \(http://www.novell.com/developer\)](http://www.novell.com/developer).

1 Overview

The Messaging Application Programming Interface (MAPI 1.0) is a set of object-oriented functions that provide messaging capabilities. Mail-enabled applications use MAPI to create, transfer, and store messages, as well as handle complex addressing information. MAPI *objects* are data structures that support a set of properties and comply with the OLE component object model (COM), which requires that objects support one or more interfaces, or sets of functions. For more information about MAPI, see the *MAPI Programmer's Guide*.

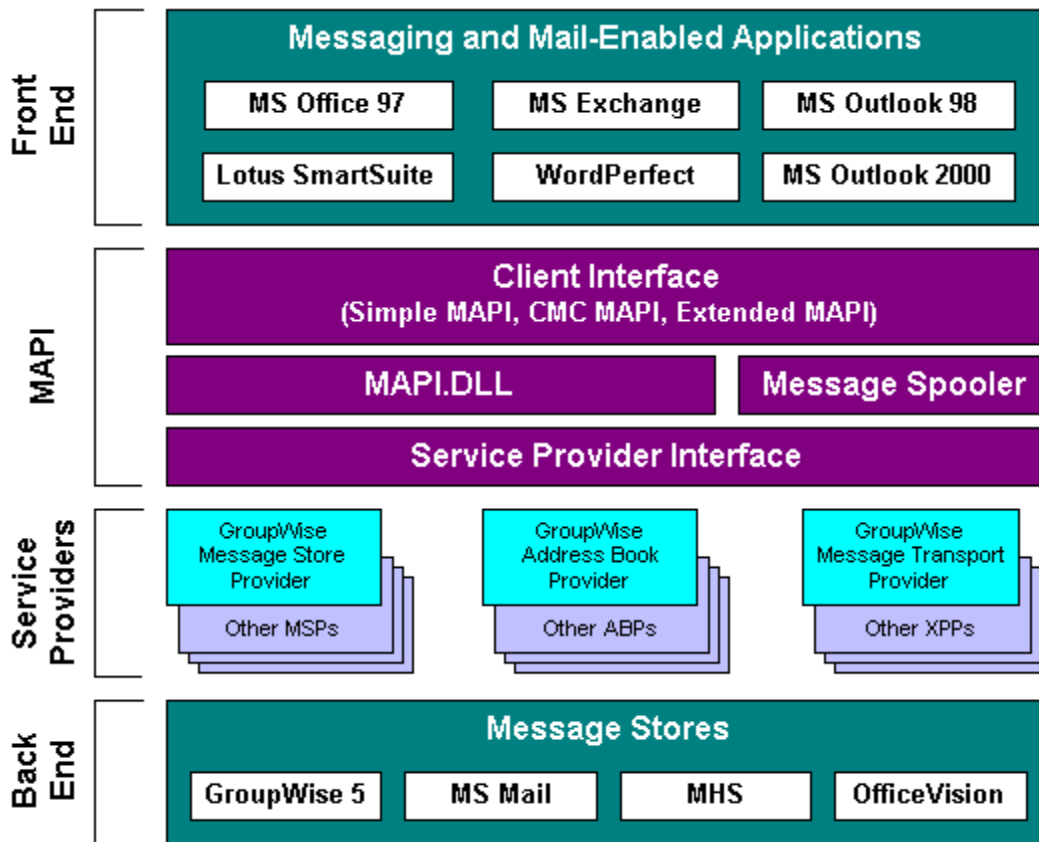
GroupWise offers extensive MAPI support by:

- ♦ Interfacing with the Microsoft Exchange client.
- ♦ Interfacing with mail-enabled MAPI applications such as WordPerfect, Microsoft Office 97, and Microsoft Outlook 98 and 2000.
- ♦ Supporting all MAPI clients.

This section covers the following topics:

- ◆ Section 1.1, “Troubleshooting,” on page 8

Figure 1-1 MAPI Overview



As illustrated above, MAPI allows messaging applications and mail-enabled applications to have direct access to service providers. Messaging functions are called from the MAPI client interface. The MAPI DLLs act as an object handler by selecting the provider and exposing objects to the client interface. Various messaging operations can be performed by calling methods in the exposed object.

Each service provider performs its functions according to a supporting messaging service which can include multiple message stores, address books, and transport providers. MAPI selects among message stores and transport providers as necessary. Multiple address books appear independent of one another in the client, allowing the user to randomly choose among them.

The message spooler controls MAPI activities that run independently of the messaging application. The spooler works closely with the message stores and transport providers when transferring messages. Because the spooler monitors its activities internally, it is transparent to the client interface.

1.1 Troubleshooting

If you have trouble integrating applications with GroupWise MAPI, try the workaround described in this section.

When gwmailto.exe is registered, it intercepts the following three simple MAPI functions:

- ◆ MAPILogoff

- ♦ MAPILogon
- ♦ MAPISendMail

If you use MAPILogon, gwmailto.exe returns an invalid MAPI session handle. Any applications that call MAPILogon while gwmailto.exe is registered as the default mail client cannot call extended MAPI features.

To workaroud this issue, use one of the following two workarounds:

- ♦ Call MAPILogonEx rather than MAPILogon.

Because MAPILogonEx is not intercepted by gwmailto, MAPILogonEx is processed through the normal route of the message store provides that is configured in the MAPI profile.

- ♦ Uninstall gwmailto (which is listed as GroupWise Internet Browser Mail Integration in your Control Panel's list of software).

IMPORTANT: Uninstalling gwmailto prevents any "mailto:" links from working correctly in your Internet browser.

2 Attachment Properties

Each message store is comprised of folders. Folders can contain other folders and messages, which may contain attachments. Folders, messages, and attachments all have properties. Examples of properties include the subject of a message, the user ID of the recipient, and the body of a message. Each property has a type (for example, STRING8, BINARY, UNICODE) and may have one or more values which you can use to narrow the focus of the property.

To access a property, you must use the IMAPIProp interface. Because IMAPIProp is derived from IUnknown, all IUnknown methods are available. For more information, see the *MAPI Programmer's Guide*.

In addition to predefined MAPI properties, MAPI allows message-class-defined properties which are in the range 68007FFF.

You can extend GroupWise functionality through the following properties for attachments:

- ◆ ["PR_NGW_ATTACH_LAST_MOD" on page 12](#)
- ◆ ["PR_NGW_ATTACH_TYPE" on page 13](#)

PR_NGW_ATTACH_LAST_MOD

Shows the last date and time this attachment was modified.

Definition

Type	Access	Identifier
PT_SYSTIME	Read/write	0x604A

PR_NGW_ATTACH_TYPE

Indicates the type of the attachment.

Definition

Type	Access	Identifier
PT_I2	Read/write	0x604B

Flags

The following flags can be used with PR_NGW_ATTACH_TYPE:

Value	Flag	Meaning
0x0001	NGW_ATTACH_TYPE_FILE	Attached file
0x0004	NGW_ATTACH_TYPE_MESSAGE	Attached message
0x0008	NGW_ATTACH_TYPE_SOUND	Attached sound file
0x0010	NGW_ATTACH_TYPE_VIEW	Attached view
0x0020	NGW_ATTACH_TYPE_APPT	Attached appointment
0x0040	NGW_ATTACH_TYPE_TODO	Attached task
0x0080	NGW_ATTACH_TYPE_NOTE	Attached note
0x0100	NGW_ATTACH_TYPE_MAIL	Attached mail
0x0200	NGW_ATTACH_TYPE_FORM	Attached form
0x0400	NGW_ATTACH_TYPE_MULTIMEDIA	Attached multimedia file
0x0800	NGW_ATTACH_TYPE_PHONE	Attached phone message
0x1000	NGW_ATTACH_TYPE_OLE	Attached OLE object

3 Folder Properties

Each message store is comprised of folders. Folders can contain other folders and messages, which may contain attachments. Folders, messages, and attachments all have properties. Examples of properties include the subject of a message, the user ID of the recipient, and the body of a message. Each property has a type (for example, STRING8, BINARY, UNICODE) and may have one or more values which you can use to narrow the focus of the property.

To access a property, you must use the IMAPIProp interface. Because IMAPIProp is derived from IUnknown, all IUnknown methods are available. For more information, see the *MAPI Programmer's Guide*.

In addition to predefined MAPI properties, MAPI allows message-class-defined properties which are in the range 68007FFF.

You can extend GroupWise functionality through the following properties for folders:

- ♦ [“PR_NGW_FOLDER_FLAGS” on page 16](#)
- ♦ [“PR_NGW_VERSION_NUMBER” on page 17](#)
- ♦ [“PR_NGW_UW_TYPE” on page 18](#)

PR_NGW_FOLDER_FLAGS

Indicates the status of the folder.

Definition

Type	Access	Identifier
PT_I2	Read-only	0x6F00

Flags

The following flags can be used with PR_NGW_FOLDER_FLAGS.

Value	Flag	Meaning
0x0002	NGW_FOLDER_SHARED	This folder is shared.

PR_NGW_VERSION_NUMBER

Indicates the version number of the folder.

Definition

Type	Access	Identifier
PT_LONG	Read-only	0x6F01

PR_NGW_VERSION_NUMBER begins at 1 and is incremented each time a change is made to a message object in the GroupWise Message Store.

PR_NGW_UW_TYPE

The following table defines this flag.

Definition

Type	Access	Identifier
PT_I2	Read-only	0x604B

Flags

The following flags can be used to define special folder types:

Value	Constant	Meaning
0	NGW_FOLDER_TYPE_NORMAL	Normal folder.
4	NGW_FOLDER_TYPE_QUERY	Query folder.
6	NGW_FOLDER_TYPE_USER	User folder (system-created).
7	NGW_FOLDER_TYPE_UNIVERSAL	Mailbox (system-created).
9	NGW_FOLDER_TYPE_TRASH	Trash (system-created).
10	NGW_FOLDER_TYPE_CALENDAR	Calendar (system-created).
12	NGW_FOLDER_TYPE_CABINET	Cabinet (system-created).
13	NGW_FOLDER_TYPE_WORK_IN_PROGRESS	Current work (system-created).

4 Message Properties

Each message store is comprised of folders. Folders can contain other folders and messages, which may contain attachments. Folders, messages, and attachments all have properties. Examples of properties include the subject of a message, the user ID of the recipient, and the body of a message. Each property has a type (for example, STRING8, BINARY, UNICODE) and may have one or more values which you can use to narrow the focus of the property.

To access a property, you must use the IMAPIProp interface. Because IMAPIProp is derived from IUnknown, all IUnknown methods are available. For more information, see the *MAPI Programmer's Guide*.

In addition to predefined MAPI properties, MAPI allows message-class-defined properties which are in the range 68007FFF.

- ♦ ["PR_NGW_ACCEPT_LEVEL" on page 22](#)
- ♦ ["PR_NGW_ADT_BEGIN_RANGE" on page 23](#)
- ♦ ["PR_NGW_ADT_BEGIN_SECS" on page 24](#)
- ♦ ["PR_NGW_ADT_DESCRIPTION" on page 25](#)
- ♦ ["PR_NGW_ADT_DESCRIPTION_A" on page 26](#)
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- ♦ “PR_NGW_VIEW_NAME_W” on page 102

PR_NGW_ACCEPT_LEVEL

Allows the sent item to be accepted or declined.

Definition

Type	Access	Identifier
PT_I2	Read/write	0x6F02

Flags

The following flags can be used to define the accept level:

Value	Constant	Meaning
250	NGW_ACCEPT_LEVEL_HIGH	High level
200	NGW_ACCEPT_LEVEL_MEDIUM	Medium level
150	NGW_ACCEPT_LEVEL_LOW	Low level

PR_NGW_ADT_BEGIN_RANGE

Sets the beginning date of an Auto-Date item.

Definition

Type	Access	Identifier
PT_SYSTIME	Read/write	0x6F04

PR_NGW_ADT_BEGIN_SECS

Sets the beginning time of an Auto-Date item.

Definition

Type	Access	Identifier
PT_MV_SYSTIME	Read/write	0x6F05

PR_NGW_ADT_DESCRIPTION

Describes an Auto-Date item.

Definition

Type	Access	Identifier
PT_TSTRING	Read/write	0x6F06

PR_NGW_ADT_DESCRIPTION_A

Describes an Auto-Date item.

Definition

Type	Access	Identifier
PT_STRING8	Read/write	0x6F06

PR_NGW_ADT_DESCRIPTION_W

Describes an Auto-Date item.

Definition

Type	Access	Identifier
PT_UNICODE	Read/write	0x6F06

PR_NGW_ADT_DURATION

Specifies the duration of an Auto-Date item.

Definition

Type	Access	Identifier
PT_LONG	Read/write	0x6F07

PR_NGW_ADT_END_MODE

Specifies an Auto-Date item.

Definition

Type	Access	Identifier
PT_I2	Read/write	0x6F08

Flags

The following flags can be used with PR_NGW_ADT_END_MODE:

Value	Constant	Meaning
1	NGW_ADT_END_MODE_DATE	End date of an Auto-Date item
2	NGW_ADT_END_MODE_OCCUR	End occurrence of an Auto-Date item

PR_NGW_ADT_END_RANGE

Specifies the ending date of an Auto-Date item.

Definition

Type	Access	Identifier
PT_SYSTIME	Read/write	0x6F09

PR_NGW_ADT_FORMULA

Specifies the formula text for an Auto-Date item, such as On or Before.

Definition

Type	Access	Identifier
PT_TSTRING	Read/write	0x6F0A

PR_NGW_ADT_FORMULA_A

Specifies the formula text for an Auto-Date item, such as On or Before.

Definition

Type	Access	Identifier
PT_STRING8	Read/write	0x6F0A

PR_NGW_ADT_FORMULA_W

Specifies the formula text for an Auto-Date item, such as On or Before.

Definition

Type	Access	Identifier
PT_UNICODE	Read/write	0x6F0A

PR_NGW_ADT_FORMULA_MODE

Specifies the formula for an Auto-Date item.

Definition

Type	Access	Identifier
PT_I2	Read/write	0x6F0B

PR_NGW_ADT_G_DAY_OFFSET

Specifies the offset (in days) for an Auto-Date item that is displayed as a graph.

Definition

Type	Access	Identifier
PT_I2	Read/write	0x6F0C

PR_NGW_ADT_G_DAY_RELATE

Specifies the day for an Auto-date item that is displayed as a graph.

Definition

Type	Access	Identifier
PT_I2	Read/write	0x6F0D

PR_NGW_ADT_G_MONTH_DAYS

Specifies the days for an Auto-Date item that is displayed as a graph.

Definition

Type	Access	Identifier
PT_LONG	Read/write	0x6F0E

PR_NGW_ADT_G_MONTHS

Specifies the months for an Auto-Date item that is displayed as a graph.

Definition

Type	Access	Identifier
PT_I2	Read/write	0x6F0F

PR_NGW_ADT_G_PERIOD_AMT

Specifies the period for an Auto-Date item that is displayed as a graph.

Definition

Type	Access	Identifier
PT_I2	Read/write	0x6F10

PR_NGW_ADT_G_PERIOD_NUM

Specifies the time period for an Auto-Date item that is displayed as a graph.

Definition

Type	Access	Identifier
PT_I2	Read/write	0x6F11

PR_NGW_ADT_G_SUBMODE

Specifies the secondary mode for an Auto-Date item that is displayed as a graph.

Definition

Type	Access	Identifier
PT_I2	Read/write	0x6F12

Flags

The following flags can be used with PR_NGW_ADT_G_SUBMODE:

Value	Constant	Meaning
1	NGW_ADT_MONTH_DAY_MODE	Month of Auto-Date item
2	NGW_ADT_WKDAY_MODE	Weekday of Auto-Date item
3	NGW_ADT_PERIODIC_MODE	Period of Auto-Date item

PR_NGW_ADT_G_WEEKDAYS

Specifies the weekdays for an Auto-Date item that is displayed as a graph.

Definition

Type	Access	Identifier
PT_I2	Read/write	0x6F13

PR_NGW_ADT_G_WKDAY_INST

Specifies the weekdays for an Auto-Date item that is displayed as a graph.

Definition

Type	Access	Identifier
PT_I2	Read/write	0x6F14

PR_NGW_ADT_G_WKDAY_OFS

Specifies the weekdays for an Auto-Date item that is displayed as a graph.

Definition

Type	Access	Identifier
PT_I2	Read/write	0x6F15

PR_NGW_ADT_KEY

Specifies the key.

Definition

Type	Access	Identifier
PT_LONG	Read/write	0x6F16

PR_NGW_ADT_MODE

Specifies the mode for an Auto-Date item.

Definition

Type	Access	Identifier
PT_I2	Read/write	0x6F17

Flags

The following flags can be used with PR_NGW_ADT_MODE:

Value	Constant	Meaning
1	NGW_ADT_MODE_GRAPH	An Auto-Date item displayed as graph
2	NGW_ADT_MODE_FORMULA	An Auto-Date item displayed as a formula
3	NGW_ADT_MODE_OCCURRENCES	Number of occurrences of an Auto-Date item in this mode

PR_NGW_ADT_NUM_OCCURS

Specifies the total number of occurrences of an Auto-Date item.

Definition

Type	Access	Identifier
PT_I2	Read/write	0x6F18

PR_NGW_ADT_OCCURS_MODE

Specifies the occurrence mode for an Auto-Date item.

Definition

Type	Access	Identifier
PT_I2	Read/write	0x6F19

PR_NGW_ADT_TIME

Specifies the time for an Auto-Date item.

Definition

Type	Access	Identifier
PT_LONG	Read/write	0x6F1A

PR_NGW_ALARM_PERIOD

Specifies the alarm period.

Definition

Type	Access	Identifier
PT_LONG	Read/write	0x6F1B

PR_NGW_ATTACH_ENTRYIDS

Specifies the entry ID of an attachment.

Definition

Type	Access	Identifier
PT_MV_BINARY	Read/write	0x6F1C

PR_NGW_ATTACH_TYPES_LIN

Specifies the type of attachment.

Definition

Type	Access	Identifier
PT_I2	Read/write	0x6F1D

PR_NGW_ATTACH_TYPES_USER

Specifies the user types of the attachment.

Definition

Type	Access	Identifier
PT_I2	Read/write	0x6F1E

PR_NGW_AUTO_FORWARD_LIM

Specifies the number of times to automatically forward an item. It is typically used to prevent looping.

Definition

Type	Access	Identifier
PT_I2	Read/write	0x6F1F

PR_NGW_BEGIN_SECS

Specifies the beginning time of an item.

Definition

Type	Access	Identifier
PT_SYSTIME	Read/write	0x6F21

PR_NGW_BOX_TYPE

Specifies the type of box the item will appear in.

Definition

Type	Access	Identifier
PT_I2	Read/write	0x6F22

Flags

The following flags can be used with PR_NGW_BOX_TYPE:

Value	Flag	Meaning
0x0001	NGW_BOX_TYPE_IN	Contains received items
0x0002	NGW_BOX_TYPE_OUT	Contains sent items
0x0004	NGW_BOX_TYPE_PERSONAL	Contains personal items
0x0008	NGW_BOX_TYPE_DRAFT	Contains work in progress

PR_NGW_CALLER_COMPANY

Specifies the company of a caller who leaves a phone message.

Definition

Type	Access	Identifier
PT_TSTRING	Read/write	0x6F23

PR_NGW_CALLER_COMPANY_A

Specifies the company of a caller who leaves a phone message.

Definition

Type	Access	Identifier
PT_STRING8	Read/write	0x6F23

PR_NGW_CALLER_COMPANY_W

Specifies the company of a caller who leaves a phone message.

Definition

Type	Access	Identifier
PT_UNICODE	Read/write	0x6F23

PR_NGW_CSALLER_FULL_NAME

Specifies the first and last names of a caller who leaves a phone message.

Definition

Type	Access	Identifier
PT_TSTRING	Read/write	0x6F24

PR_NGW_CALLER_FULL_NAME_A

Specifies the first and last names of a caller who leaves a phone message.

Definition

Type	Access	Identifier
PT_STRING8	Read/write	0x6F24

PR_NGW_CALLER_FULL_NAME_W

Specifies the first and last names of a caller who leaves a phone message.

Definition

Type	Access	Identifier
PT_UNICODE	Read/write	0x6F24

PR_NGW_CALLER_NUMBER

Specifies the phone number of a caller who leaves a phone message.

Definition

Type	Access	Identifier
PT_TSTRING	Read/write	0x6F25

PR_NGW_CALLER_NUMBER_A

Specifies the telephone number of a caller who leaves a phone message.

Definition

Type	Access	Identifier
PT_STRING8	Read/write	0x6F25

PR_NGW_CALLER_NUMBER_W

Specifies the telephone number of a caller who leaves a phone message.

Definition

Type	Access	Identifier
PT_UNICODE	Read/write	0x6F25

PR_NGW_COPY_TYPE

Specifies the copy received with an In Box message.

Definition

Type	Access	Identifier
PT_I2	Read-only	0x6F27

Flags

The following flags can be used with PR_NGW_COPY_TYPE:

Value	Flag	Meaning
0x0001	NGW_COPY_TYPE_PR	Primary field (To: field)
0x0002	NGW_COPY_TYPE_CC	Carbon copy field
0x0004	NGW_COPY_TYPE_BC	Blind copy field
0x0008	NGW_COPY_TYPE_PLACE	Place field

PR_NGW_END_SECS

Specifies the ending time of an item.

Definition

Type	Access	Identifier
PT_SYSTIME	Read/write	0x6F29

PR_NGW_FOLDERS

Specifies the related folders.

Definition

Type	Access	Identifier
PT_MV_BINARY	Read-only	0x6F2A

PR_NGW_ITEM_TYPE

Specifies the item type.

Definition

Type	Access	Identifier
PT_LONG	Read/write	0x6F2C

Flags

The following flags can be used with PR_NGW_ITEM_TYPE:

Value	Flag	Meaning
0x00000001L	NGW_ITEM_TYPE_MAIL	Mail
0x00000002L	NGW_ITEM_TYPE_NOTE	Note
0x00000004L	NGW_ITEM_TYPE_TODO	Task
0x00000008L	NGW_ITEM_TYPE_APPT	Appointment
0x00000010L	NGW_ITEM_TYPE_PHONE	Phone message
0x00000020L	NGW_ITEM_TYPE_SEARCH	Busy search
0x00002000L	NGW_ITEM_TYPE_PROFILE	Profile
0x00004000L	NGW_ITEM_TYPE_ODMA_REFERENCE	ODMA reference
0x00010000L	NGW_ITEM_TYPE_ISV_OBJECT	Independent Service Vendor object
0x00020000L	NGW_ITEM_TYPE_WORK_FLOW	Workflow

PR_NGW_MESSAGE_TYPE

Specifies the message type.

Definition

Type	Access	Identifier
PT_I2	Read/write	0x6F30

Flags

The following flags can be used with PR_NGW_ITEM_TYPE to specify how an item is displayed:

Value	Flag	Meaning
0x0000001L	NGW_MESSAGE_TYPE_FILES_ONLY	No body; files only
0x0000002L	NGW_MESSAGE_TYPE_FORWARD	Forwarded message
0x0000004L	NGW_MESSAGE_TYPE_REPLY	Reply to message
0x0000008L	NGW_MESSAGE_TYPE_ENCAPSULATED	Encapsulated message

PR_NGW_ODMA_REFERENCE

Specifies the ODMA reference.

Definition

Type	Access	Identifier
PT_BINARY	Read/write	0x6F31

PR_NGW_PHONE

Specifies a phone message.

Definition

Type	Access	Identifier
PT_LONG	Read/write	0x6F32

Flags

The following values represent a check box for phone messages in the GroupWise interface:

Value	Flag	Meaning
0x0001	NGW_PHONE_CALLED	Called check box
0x0002	NGW_PHONE_PLEASE_CALL	Please Call check box
0x0004	NGW_PHONE_WILL_CALL	Will Call check box
0x0008	NGW_PHONE_RETURNED_YOUR_CALL	Returned Your Call check box
0x0010	NGW_PHONE_WANTS_TO_SEE_YOU	Wants To See You check box
0x0020	NGW_PHONE_CAME_TO_SEE_YOU	Came to See You check box
0x0040	NGW_PHONE_URGENT	Urgent check box

PR_NGW_PLACE_TEXT

Specifies the location of an appointment.

Definition

Type	Access	Identifier
PT_TSTRING	Read/write	0x6F33

PR_NGW_PLACE_TEXT_A

Specifies the location of an appointment.

Definition

Type	Access	Identifier
PT_STRING8	Read/write	0x6F33

PR_NGW_PLACE_TEXT_W

Specifies the location of an appointment.

Definition

Type	Access	Identifier
PT_UNICODE	Read/write	0x6F33

PR_NGW_THREAD

Specifies the reply thread used to sort by conversation.

Definition

If you include the following property, the format of the thread must also be included:

Type	Access	Identifier
PT_STRING8	Read-only	0x6F35

PR_NGW_SEND_OPTIONS

Controls the send options.

Definition

Type	Access	Identifier
PT_LONG	Read/write	0x6F36

Flags

The following flags can be used with PR_NGW_SEND_OPTIONS.:

Value	Flag	Meaning
0x0000001L	NGW_SEND_OPTIONS_AUTO_DELETE	Automatically deletes message from sender's Out Box when opened by recipient.
0x0000002L	NGW_SEND_OPTIONS_CONCEAL_SUBJECT	The subject does not appear until the message is opened.
0x0000008L	NGW_SEND_OPTIONS_INSERT_OUT_BOX	The sender maintains the Out Box on the message.
0x0000010L	NGW_SEND_OPTIONS_MAIL_RECEIPT	Specifies how to notify sender of status tracking.
0x0000020L	NGW_SEND_OPTIONS_NOTIFY_RECEIPT	Specifies how to notify the sender of status tracking.
0x0000040L	NGW_SEND_OPTIONS_NOTIFY_USER	Specifies how to notify the user of status tracking.
0x0000100L	NGW_SEND_OPTIONS_REPLY_BY_DATE	The date the recipient of an item should reply by.
0x0000200L	NGW_SEND_OPTIONS_REPLY_REQUESTED	States that the recipient of an item should reply to the item.
0x0000400L	NGW_SEND_OPTIONS_ORG_IS_RESOURCE	The sender of an item (e.g. an appointment) is a resource.
0x0000800L	NGW_SEND_OPTIONS_NOTIFY_DELETE	Notify sender when an item is deleted.
0x0001000L	NGW_SEND_OPTIONS_MAIL_DELETE	Send a mail message to the sender when an item is deleted.
0x0002000L	NGW_SEND_OPTIONS_NOTIFY_ACCEPT	Notify the sender when an item is accepted.
0x0004000L	NGW_SEND_OPTIONS_MAIL_ACCEPT	Send a mail message to the sender when an item is accepted.
0x00020000L	NGW_SEND_OPTIONS_NOTIFY_COMPLETE	Notify the sender when a task is completed.

Value	Flag	Meaning
0x00040000L	NGW_SEND_OPTIONS_MAIL_COMPLETE	Send a mail message to the sender when a task is completed.
0x00080000L	NGW_SEND_OPTIONS_MARK_PRIVATE	Mark an item as private.
0x00100000L	NGW_SEND_OPTIONS_NOTIFY_UNDELIVERABLE	Notify the sender if an item is undeliverable.
0x00200000L	NGW_SEND_OPTIONS_MAIL_UNDELIVERABLE	Send a mail message to the sender when an item is undeliverable.

PR_NGW_SENDER_ACCTID

Specifies the account ID of the sender.

Definition

Type	Access	Identifier
PT_TSTRING	Read/write	0x6F37

PR_NGW_SENDER_ACCTID_A

Specifies the account ID of the sender.

Definition

Type	Access	Identifier
PT_STRING8	Read/write	0x6F37

PR_NGW_SENDER_ACCTID_W

Specifies the sender's account.

Definition

Type	Access	Identifier
PT_UNICODE	Read/write	0x6F37

PR_NGW_SENDER_ROUTE

Specifies the route of the sender.

Definition

Type	Access	Identifier
PT_BINARY	Read/write	0x6F38

PR_NGW_SENDER_D_P_DATE

Specifies the sender date.

Definition

Type	Access	Identifier
PT_SYSTIME	Read/write	0x6F39

PR_NGW_SENDER_DOMAIN_ID

Specifies the domain of the sender.

Definition

Type	Access	Identifier
PT_TSTRING	Read/write	0x6F3A

PR_NGW_SENDER_DOMAIN_ID_A

Specifies the domain of the sender.

Definition

Type	Access	Identifier
PT_STRING8	Read/write	0x6F3A

PR_NGW_SENDER_DOMAIN_ID_W

Specifies the domain of the sender.

Definition

Type	Access	Identifier
PT_UNICODE	Read/write	0x6F3A

PR_NGW_SENDER_HOST_ID

Specifies the post office of the sender.

Definition

Type	Access	Identifier
PT_TSTRING	Read/write	0x6F3B

PR_NGW_SENDER_HOST_ID_A

Specifies the post office of the sender.

Definition

Type	Access	Identifier
PT_STRING8	Read/write	0x6F3B

PR_NGW_SENDER_HOST_ID_W

Specifies the post office of the sender.

Definition

Type	Access	Identifier
PT_UNICODE	Read/write	0x6F3B

PR_NGW_SENDER_STATUS

Specifies the status of the sender's Out Box item.

Definition

Type	Access	Identifier
PT_LONG	Read/write	0x6F3C

Flags

The following flags can be used with PR_NGW_SENDER_STATUS:

Value	Flag	Meaning
0x00000020L	NGW_SENDER_STATUS_DELETED	Item has been deleted
0x00000200L	NGW_SENDER_STATUS_DOWNLOADED	Item has been downloaded
0x00008000L	NGW_SENDER_STATUS_PURGED	Item has been purged
0x04000000L	NGW_SENDER_STATUS_UNDELETED	Item has been undeleted

PR_NGW_SENDER_USER_ID

Specifies the user ID of the sender.

Definition

Type	Access	Identifier
PT_TSTRING	Read/write	0x603D

PR_NGW_SENDER_USER_ID_A

Specifies the user ID of the sender.

Definition

Type	Access	Identifier
PT_STRING8	Read/write	0x603D

PR_NGW_SENDER_USER_ID_W

Specifies the user ID of the sender.

Definition

Type	Access	Identifier
PT_UNICODE	Read/write	0x603D

PR_NGW_STATUS_TRACKING

Specifies the desired status tracking level (with NONE being the lowest and FULL being the highest). Each level includes attributes of all levels below it.

Definition

Type	Access	Identifier
PT_I2	Read/write	0x603E

Flags

The following flags can be used with PR_NGW_STATUS_TRACKING:

Value	Flag	Meaning
0x00	NGW_STATUS_TRACKING_NONE	No tracking
0x01	NGW_STATUS_TRACKING_DELIVERED	Delivered
0x02	NGW_STATUS_TRACKING_HOST_DELETED	Host deleted
0x04	NGW_STATUS_TRACKING_DELETED	Deleted
0x08	NGW_STATUS_TRACKING_OPENED	Opened
0xFF	NGW_STATUS_TRACKING_FULL	Full tracking

PR_NGW_TODO_DATE

Specifies the date a task should begin appearing.

Definition

Type	Access	Identifier
PT_SYSTIME	Read/write	0x6040

PR_NGW_TODO_CATEGORY

Specifies the category of a task.

Definition

Type	Access	Identifier
PT_I2	Read/write	0x6041

PR_NGW_TODO_EST_TIME

Specifies the estimated time a task will take to complete.

Definition

Type	Access	Identifier
PT_LONG	Read/write	0x6042

PR_NGW_TODO_PRIORITY

Specifies the priority of a task.

Definition

Type	Access	Identifier
PT_I2	Read/write	0x6043

PR_NGW_USER_STATUS

Specifies the status of an In Box item.

Definition

Type	Access	Identifier
PT_LONG	Read-only	0x6047

Flags

The following flags can be used with PR_NGW_USER_STATUS:

Value	Flag	Meaning
0x00000001L	NGW_USER_STATUS_ACCEPTED	The item was accepted
0x00000002L	NGW_USER_STATUS_ALARM	An alarm is set for the item
0x00000008L	NGW_USER_STATUS_COMPLETED	The item was completed
0x00000010L	NGW_USER_STATUS_DELEGATED	The item was delegated
0x00000020L	NGW_USER_STATUS_DELETED	The item was deleted
0x00000100L	NGW_USER_STATUS_DOWNLOADED	The item was downloaded
0x00000200L	NGW_USER_STATUS_FORWARDED	The item was forwarded
0x00000400L	NGW_USER_STATUS_HIDDEN	The item was hidden
0x00000800L	NGW_USER_STATUS_INCOMPLETE	The item was incomplete
0x00001000L	NGW_USER_STATUS_MOVED	The item was moved
0x00004000L	NGW_USER_STATUS_OPENED	The item was opened
0x00008000L	NGW_USER_STATUS_PURGED	The item was purged
0x00010000L	NGW_USER_STATUS_READ	The item was read
0x00020000L	NGW_USER_STATUS_REPLIED	The item was replied to
0x00040000L	NGW_USER_STATUS_RETRACTED	The item was retracted
0x00080000L	NGW_USER_STATUS_RETRACT_REQ	A retraction has been requested for the item
0x00200000L	NGW_USER_STATUS_STARTED	The item has been started
0x01000000L	NGW_USER_STATUS_UNACCEPTED	The item was unaccepted
0x04000000L	NGW_USER_STATUS_UNDELETED	The item was undeleted
0x10000000L	NGW_USER_STATUS_UNREAD	The item was unread
0x20000000L	NGW_USER_STATUS_UNSTARTED	The item was unstarted

PR_NGW_VIEW_NAME

Specifies the name of a view.

Definition

Type	Access	Identifier
PT_TSTRING	Read/write	0x6048

PR_NGW_VIEW_NAME_A

Specifies the name of a view.

Definition

Type	Access	Identifier
PT_STRING8	Read/write	0x6048

PR_NGW_VIEW_NAME_W

Specifies the name of a view.

Definition

Type	Access	Identifier
PT_UNICODE	Read/write	0x6048

A Revision History

The following table lists changes made to the GroupWise MAPI documentation (in reverse chronological order):

Release Date	Changes
November 2012	Reviewed and updated for use with GroupWise 2012.
March 2006	Added navigational links.
October 2005	Transitioned to revised Novell documentation standards.
February 2004	Added the Section 1.1, "Troubleshooting," on page 8 section about using MAPILogonEx rather than MAPILogon to allow some applications to correctly integrate with GroupWise. Restructured and added navigational aids.
September 2001	Added support for GroupWise 6.x to documentation. Added alternate text to figures.
June 2001	Made changes to improve document accessibility.
February 2001	Added a note to "About This Guide" on page 5 about the Client/Cache mode and the offline database.
July 1998	Documentation added to the Novell Developer Kit.

