



OpenText RightFax 16 EP2

COM API

Reference Guide

Edition

OpenText RightFax 16 Enhancement Pack 2 COM API

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Chapter 1: Getting started

The RightFax COM API is a library of objects, properties, and methods for use in developing custom applications for the RightFax server. The RightFax COM API library is compatible with any programming language that supports binary standards including C, C++, Java, JScript, Visual Basic, VBScript, Delphi, and PowerBuilder.

This guide describes the fundamentals of COM, provides an overview of the RightFax COM object including code examples, and describes in detail each object in the RightFax COM library.

The RightFax COM Module includes a RightFax development server for development and testing with the RightFax Server COM object. The RightFax COM object is contained in a single dynamic link library (DLL) file named Rfcomapi.dll. This file is installed as part of the RightFax client installation from the development server.

Before developing applications with the RightFax COM object, install the development server on your network, and install and register the COM object DLL.

Note The RightFax COM API Module™ consists of the RightFax COM library and a copy of the RightFax development server. This RightFax server has no functional fax channels and is intended for development and testing purposes only. OpenText specifically prohibits the use of this development server for any other purpose.

Installing the development server and COM Object DLL

The files required by the RightFax COM Module are installed on all RightFax servers during the server installation. The COM Module must be licensed and activated before its functionality is enabled.

To activate the COM Module, you must have licensed a RightFax server type that includes this module, or purchased and licensed this module separately. For information on activating new components on the RightFax server, refer to the *RightFax Installation Guide*.

The RightFax COM API

The RightFax COM API is an interface to the standard Component Object Model (COM) services included in all 32-bit Windows operating systems. Like the standard RightFax API, the COM API consists of tools for customizing your RightFax products. In addition, there are a variety of pre-defined objects stored in the RightFax COM API library (RFCOMAPILib).

Objects, properties, and methods

The RightFax COM API library contains **objects**, which are discrete entities within the RightFax system that can be accessed and manipulated. Users, attachments, and library documents are examples of objects. Multiple objects of the same type can be grouped together in

objects called **Collections**. For example, the object called Faxes is a collection of Fax objects.

Each object has **properties**, that are descriptive aspects of that object. For example, UserID and Password are properties of the User object. Properties can be used to identify an object, or to set permissions for the object, or to show status.

Each object also has **methods**, that are actions you can perform on an object. Sending a fax, adding an object to a collection, and logging on to a server are examples of methods.

The FaxServer object

Although many objects share similar properties and methods, one object is unique. The FaxServer object must be created before you can access any of the other COM API components. It is also the only object that can be used to create objects within the RightFax COM API.

The FaxServer object is also an important part of the Event Handler. You must define a server object to create applications that perform tasks based on events (such as sending or receiving a fax).

Enumerated data types

Some of the properties in the RightFax COM API library require specific, pre-determined values. These values are included in the library as enumerated data types. The data type generally has both a text name and a number that represents that text.

Example The FaxStatus property of the Fax object must contain one of the valid values enumerated in the FaxStatusType data type (such as fsSend, fsInPrint, or fsQueuedforOCR).

The enumerated values are defined in this guide, with the affected property.

The object hierarchy

Objects in the RightFax COM Object are organized hierarchically. At the top of this hierarchy is the FaxServer object, which contains all the

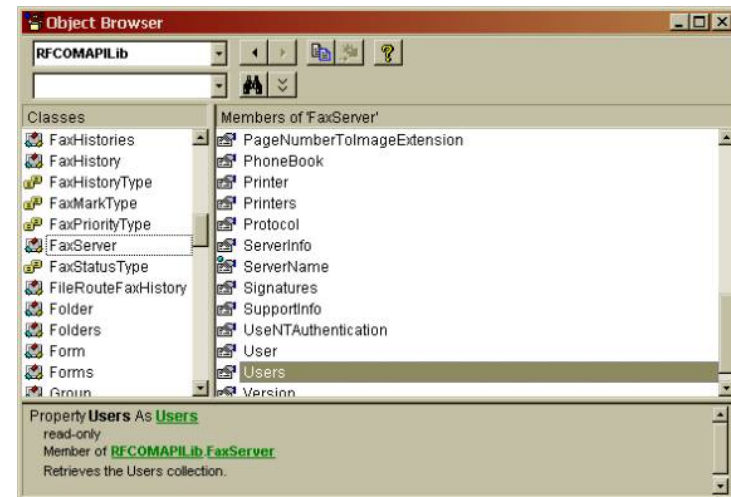
other objects in the object model.

Exploring the COM Object library using the Visual Basic Object Browser

The RightFax COM API library uses descriptive interface definition language (IDL). This means that every function has some documentation on what it is supposed to do. To access this information, open the Object Browser in Visual Basic.

To open the Object Browser

1. On the **Project** menu, click **Object Browser**.



2. In the object list box, select **RFComAPILib**.
3. You can now explore the entire object model:
 - **Classes** lists all the objects and enumerations in the COM API.

- **Members** lists the methods, properties, constants, and events of the selected object.

Example When you click **FaxServer** in the **Classes** list, and **Users** in the **Members of 'FaxServer'** list, a description of the **Users** object appears in the bottom of the dialog box.

Chapter 2: Tutorial

The RightFax COM Module consists of a variety of objects you can use to create any type of application your company needs. If you are already familiar with Visual Basic and the RightFax API, see sections 3 through 8 for the complete descriptions of all of the RightFax COM components and examples of how they are used.

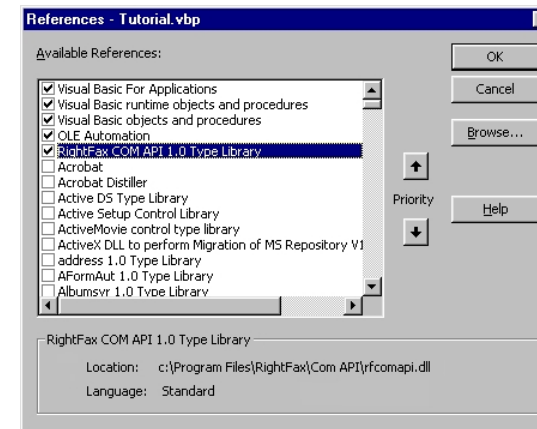
This section describes the steps required to build a simple project using Visual Basic. In this project, you'll create a window that shows a list of users. When you click a user's name, a list of the faxes for that user appears.

Step 1: Start a new Visual Basic project

When you first start Visual Basic, you'll need to create a new project. You'll also need to verify that the RightFax COM components are available to the Visual Basic application.

To start a new Visual Basic project

1. Open Visual Basic.
2. Click **New Standard EXE Project**.
3. On the **Project** menu, click **References**.
4. In the **Available References** list, click **RightFax COM API Type Library**.



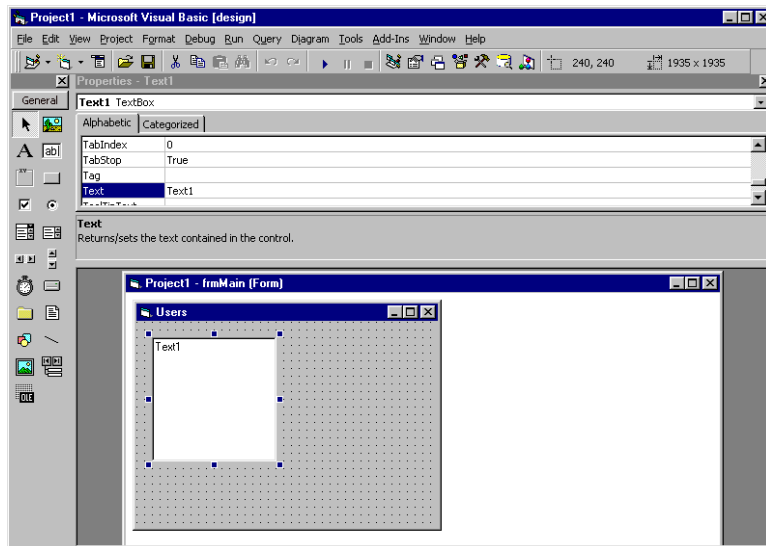
5. Click **RightFax COM API** in the List of References.
6. Click **OK**.

Step 2: Set up the project form

This tutorial creates a program that lists the users in a window. You must define the appearance of the window by defining the project Form properties. In this step, you will add two list boxes to the form, one to display the users and the other to display the list of faxes for the selected user.

To set up the project form

1. If it is not already displayed, turn on the properties window. On the **View** menu, click **Properties Window**.
2. Rename the Form window by changing the Name property to **frmMain**. It is a good idea to preface your names with the type of object (such as **frm** for form or **str** for string).
3. Title the window by changing the Caption property to **Users**.
4. Create a list box. Double-click the list box icon on the right side of the Visual Basic project window.
5. Resize the list box by clicking and dragging the handles on the sides of the box.



6. Rename the list box by changing the Name property to **lst_Users** (where **lst** represents a list box).

7. Add another list box, and resize as necessary.
8. Name the second list box **lst_FaxList**.

Step 3: Create and log on to a new fax server object

To access the COM API objects, you must first create a new server object that is referenced throughout your program. Place this code in the main form and make declarations using the Public statement so that the RightFax server is available to other segments of code. You also need to specify the information required to log on to the server.

To create and log on to a new fax server object

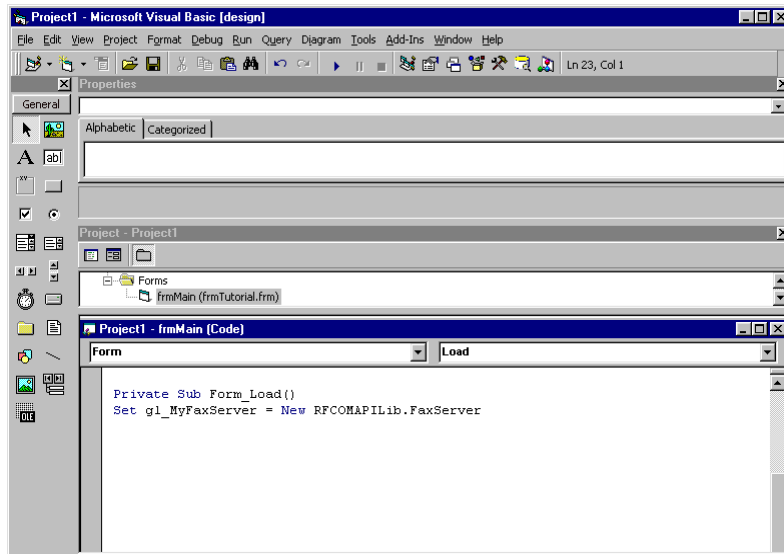
1. On the **View** menu, click **Code** to open the code window.
2. In the **General** section, create a global variable called **gl_MyFaxServer** that is of the type **RFCOMAPILib.FaxServer**. The **gl** indicates it is a global variable and is available to all forms in the project.

```
Public gl_MyFaxServer As RFCOMAPILib.FaxServer
```

You can type **RFC** to highlight **RFCOMAPILib**, type a period to display the list of objects in this library. Type the first letters of the object name. When **FaxServer** is highlighted, press **ENTER**. This creates the variable **MyFaxServer** (although it is still empty at this point).

3. Now that you created the variable, set it to contain the objects in the **RFCOMAPILib** object. From the object list, choose **Form**. The procedure list displays the text **Load**, indicating that the code you enter is executed when the form is loaded. Type the following between the existing Sub and End Sub statements to set the variable created in step 2.

```
Set gl_MyFaxServer = New RFCOMAPILib.FaxServer
```



- Specify the login information that is required to access the server. If you are using NT authorization, you can set the UseNTAuthorization property to TRUE, and ignore the AuthorizationUserID and AuthorizationUserPassword properties. Type this code between the predefined Sub and End Sub statements.

```

gl_MyFaxServer.ServerName = "servername"
gl_MyFaxServer.UseNTAuthentication = False
gl_MyFaxServer.AuthorizationUserID = "admin"
gl_MyFaxServer.AuthorizationUserPassword = "secretword"
gl_MyFaxServer.Protocol = cpNamedPipes

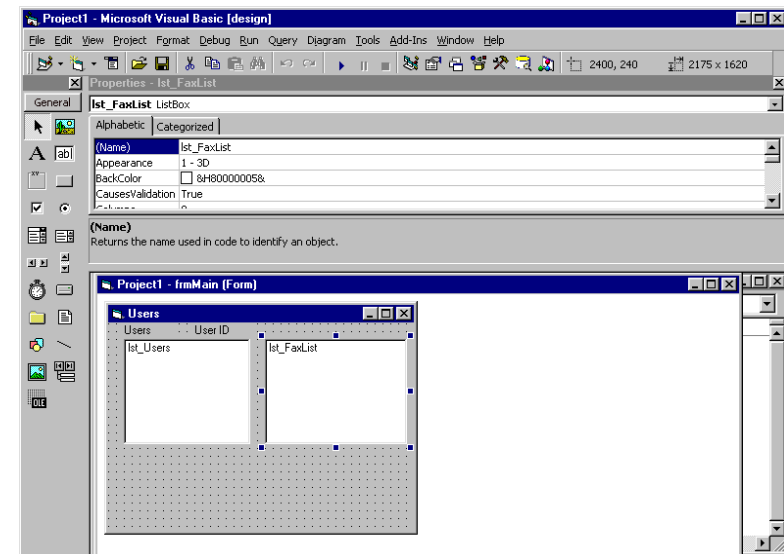
```

Step 4: Show the users in the list box

To show a list of users in the list box you named lstUsers, you'll need to specify the properties of the User object that you want to show. This procedure also describes creating labels for the list box.

To show users in the list box

- On the **View** menu, click **Object** to show the form window.
- Click the label icon, and drag the cursor to draw a box where you want the first label to be (above the list box, aligned with the left side of the box).
- Change the Caption property for the label to **Users**.
- Click the label icon again, and draw a box above and on the right side of the list box.
- Change the Caption property for this label to **User ID**.



- Return to the **Code** window.
- Declare the variables you are going to need. These variables are not global, so use the "Dim" statement instead of "Public."

```

Dim str_UserName As String
Dim str_UserID As String

```

This creates the two variables, but they are still empty.

- Next, store the fields from the user object in the two new variables by entering the appropriate code. From the object list, choose **Form**. The procedure list shows the text **Load**, indicating that the code you enter is executed when the form is loaded.
- Enter the following code after the authentication statements but before the **End Sub** statement. Note that the first two lines are comments because they are preceded by an apostrophe (').

```
Show the list of user names and IDS in the lst_Users box. For
Each User in gl_MyFaxServer.Users
    str_UserID = User.ID
    str_UserName = User.UserName
    lst_Users.AddItem str_UserID + vbTab + str_UserName
Next
```

The **vbTab** entry aligns the two columns.

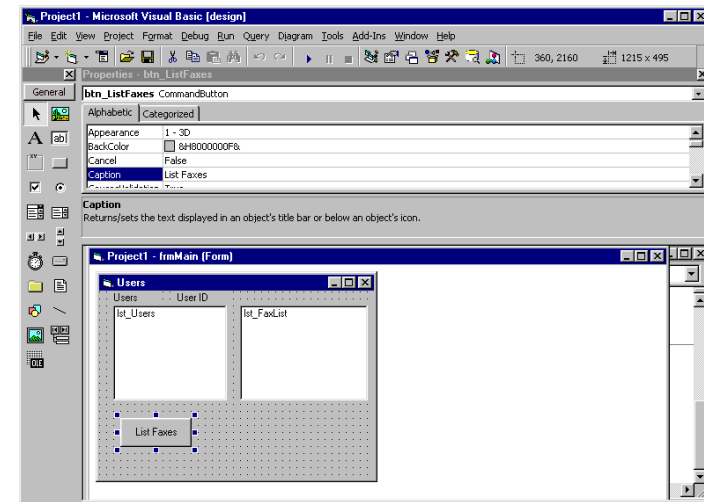
Step 5: List faxes for the selected user

In this sample application, a click on a user name gets a list of the user's faxes. In this step, we store the selected user to the variable and create a button that fills in the list box we created earlier.

To list faxes

- From the object list on the left side of the screen, choose the name of the second list box created earlier (**lst_FaxList**).
 - Enter the following code between the Sub and End Sub statements.
- ```
Dim objUser as RFCOMAPILib.User
Set objUser = gl_MyFaxServer.Users(lst_Users.ListIndex+1)
gl_SelectedUser = objUser.ID
```
- Click the **Command Button** icon to add a button beneath the

list boxes. Set the button Name property to **btn\_ListFaxes** and the Caption property to **List Faxes**.



- In the **Code** window **Declarations** section, declare a global variable that stores the ID of the selected user. Make it a global variable so that you can use it in other forms, and place it with the other global variables you already entered.

```
Public gl_SelectedUser As String
```

- You also need to declare variables for the information you want to appear in the Fax List. You can declare each variable individually as when declaring the user variables. You can also combine the variables into a single statement.

```
Dim obj_Fax as RFCOMAPILib.Fax
Dim str_File As String, str_FromName As String
```

- From the object list, choose the name of the second button we created earlier (**btn\_ListFaxes**).
- Enter the following code between the predefined Sub and End Sub statements.

```

For Each obj_Fax in MyFaxServer.Faxes(gl_SelectedUser)
 str_FaxFileName = obj_Fax.FaxFilename
 str_FromName = obj_Fax.FromName
 lst_FaxList.AddItem str_FaxFileName + vbTab +
 str_FromName
Next

```

## Step 6: Add an Exit button

### To add an Exit button

1. In the **Object** window, click the **Command Button** icon.
2. Change the name of the button to **btn\_Exit** and the caption to **Exit**.
3. In the **Code** window, choose **btn\_Exit** from the procedure list.
4. Enter the following code between the Sub and End Sub entries.

```
Unload frmMain
```

## Step 7: Test and compile the program

During any point as you create your project, you can press **F5** to run a test of the code so far. You see error messages if you haven't completed all of the steps. If you followed all of the steps in this section, a list of users appears. When you click a user, a list of faxes appears if that user has any faxes in the system.

### To save and compile the program

1. Press **F5** to check the project and verify it works as expected.
2. On the **File** menu, click **Save**.
3. Enter a name. You can use either **ListUsers** or **UserFaxes** or some other name with meaning to you. Click **Save**.
4. A message appears asking for a name for the whole project. You can have multiple forms in a single project. Enter a name such

as **Tutorial**, and click **Save**.

5. On the **File** menu, click **Make Tutorial.exe**. If you entered a name other than "Tutorial," that name appears in the menu.

**Note** This does not work if you have errors, so test the program first.

6. Enter a name for the executable file. You can use the name of the project (in this case, "Tutorial") or you can change it. Click **OK**. The resulting file, Tutorial.exe, can be run on any system that is running the RightFax software with the COM module.

## Chapter 3: Fax server objects

---

The [FaxServer](#) object is the base object in the RightFax COM Module and must be created before you can work with or create any other objects. This is the only object that can be created externally. For step-by-step instructions on creating a base FaxServer object, see [Tutorial on page 8](#). This section describes all of the methods, properties, and events associated with the FaxServer.

The [ServerInfo](#) object contains information that describes the FaxServer in a read-only format. This section describes all of the ServerInfo properties.

**Note** All examples were created and verified using Microsoft Visual Basic 6.0. If you are using a different development environment, some of the examples in this section do not work as expected.

### FaxServer

If you do not specify one of the following properties when working with the FaxServer object, the value you enter will be used as the ServerName.

### FaxServer methods

#### CloseServer

This method closes the communications connection to the fax server. This is normally done when the IFaxServer interface is released. To change the server manually, close this connection before changing the server name.

#### OpenServer

Opens a communications connection to the fax server. This is normally done automatically the first time you do something that requires a server connection.

#### Events

The FaxServer is the only RightFax object that has events.

#### Basic steps to using the EventHandler

1. Set the object variables that handle the event during the initialization of the Form.
2. Declare one or more functions that are called by the COM API when the event happens.
3. Set the corresponding variable in the objects that initiate the event.

**Example** To make use of the OnArchiveEvent, set the IsArchiveEnable property to True in the User object. For a more detailed example, see [Using the Event Handler on page 116](#).

#### OnArchiveEvent

This event is generated when a fax needs to be archived. Set the IsArchiveEnable property in the User object to initiate an OnArchiveEvent.

#### OnCompleteEvent

This event is generated when a fax is sent that has the `GenerateCompletionEvent` flag set to `True`.

### **OnMessageEvent**

This event is generated when a message needs to be shown to the user (such as an error message).

### **OnMessageRouteEvent**

This event is generated when a message needs to be shown to the user (such as an error message).

### **OnNewFaxEvent**

This event is generated when a new fax for a specific user comes in to the system.

### **OnValidateEvent**

This event is generated when a user has the `requiresValidations` flag set to `True` or `1`. The fax stays in the user's queue indefinitely unless the fax is validated by checking for this event.

## **FaxServer properties**

### **AuthorizationUser**

Data type: [User](#)

Read-only

Returns the entire `User` object of the authorized `User`. The `User` must be logged on to the server before accessing this property.

### **AuthorizationUserID**

Data type: `String`

Read/Write

Specifies the `UserID` that is used to log on to the server. You must also specify the `AuthorizationUserPassword` property, unless `UseNTAuthentication` is set to `True`.

### **AuthorizationUserPassword**

Data type: `String`

Read/Write

Specifies the password of the user specified in `AuthorizationUserID` property.

### **BillingCodes**

Data type: [BillingCodes Collection](#)

Read-only

Returns the [BillingCodes Collection](#)

### **CoverSheets**

Data type: [CoverSheets Collection](#)

Read-only

Returns the [CoverSheets Collection](#)

### **CoverSheets2**

Data type: [CoverSheets Collection](#)

Read-only

Returns the `CoverSheets Collection` for the specified `GroupID`.

### **CreateObject**

Data type: `CreateObjectType` enumerated value

Read-only

This property creates a new object of the specified `CreateObjectType`. For example, to create and name a folder object, you might use this:

```
Set obFolder = MyFaxServer.CreateObject(coFolder)
obFolder.ID = "foldername"
```

The object type must be one of the enumerated values, listed here with the numeric equivalent.

| Numeric equivalent | Name               | See also                                |
|--------------------|--------------------|-----------------------------------------|
| 0                  | coAttachment       | <a href="#">Attachment</a> object       |
| 1                  | coBillingCode      | <a href="#">BillingCode</a> object      |
| 2                  | coCoverSheet       | <a href="#">CoverSheet</a> object       |
| 3                  | coDelegatee        | Delegatee object                        |
| 4                  | coDelegator        | Delegator object                        |
| 5                  | coFax              | <a href="#">Fax</a> object              |
| 6                  | coFolder           | <a href="#">Folder</a> object           |
| 7                  | coForm             | <a href="#">Form</a> object             |
| 8                  | coGroup            | <a href="#">Group</a> object            |
| 9                  | coLibraryDocument  | <a href="#">LibraryDocument</a> object  |
| 10                 | coPhoneItemGroup   | <a href="#">PhoneItemGroup</a> object   |
| 11                 | coPhoneItemElement | <a href="#">PhoneItemElement</a> object |
| 12                 | coPrinter          | <a href="#">Printer</a> object          |
| 13                 | coSignature        | <a href="#">Signature</a> object        |
| 14                 | coUser             | <a href="#">User</a> object             |
| 15                 | coUsers            | <a href="#">User</a> collection         |
| 999                | coNone             | N/A                                     |

## CreateObject2

Data type: CreateObjectType enumerated value

Read-only

Creates a new object of the specified type in the context of the specified user (see the CreateObject property).

## Events

Data type: [Events](#)

Read-only

Returns the Events interface. You need to store this interface to maintain connection to the events as they occur. For example:

```
Private Sub Form_Load()
 Dim rfFaxAPI As RFCOMAPILib.FaxServer
 Dim WithEvents FaxEventHandler As
 RFCOMAPILib.FaxServer
 Dim rfEvents As RFCOMAPILib.Events
 Set rfFaxAPI = New FaxServer
 Set FaxEventHandler = rfFaxAPI
 Set rfEvents = rfFaxAPI.Events
End Sub
```

## Fax

Data type: [Fax](#)

Read-only

Returns a specific fax identified by the FaxHandle (a 32-bit integer).

## Faxes

Data type: [Faxes Collection](#)

Read-only

Returns the Faxes collection for a specified user. You must specify the UserID of the Faxes collection that you want.

## Form

Data type: [Form](#)

Read-only

Retrieves a Form object based on the form ID.

## Forms

Data type: [Forms Collection](#)

Read-only

Returns the Forms collection.

### **GetObjectFromXML**

Data type: File name as string

Read-only

Creates and loads an object from an XML file. The object type is determined by the XML Parser. If the object exists it is loaded and updated with XML data. If the object does not exist, it is created and updated with the XML data.

### **Group**

Data type: [Group](#)

Read-only

Returns a specific group identified by the unique GroupID string.

### **Groups**

Data type: [Groups Collection](#)

Read-only

Returns the Groups collection.

### **ImageExtensionToPageNumber**

Data type: Long

Read-only

RightFax stores each page of a fax as an image file with a unique file name. The extension of the file name indicates the page number. This property returns the appropriate page number of the fax (such as page 9) for the RightFax file name extension (such as .309) that you specify.

### **LibraryDocument**

Data type: [LibraryDocument](#)

Read-only

Returns a specific LibraryDocument identified by either the LibraryDocumentHandle or the unique LibraryDocumentID.

### **LibraryDocuments**

Data type: [LibraryDocuments Collection](#)

Read-only

Returns the LibraryDocuments collection.

### **LibraryDocumentsRestricted**

Data type: String

Read-only

Returns the restricted LibraryDocuments collection.

### **PageNumberToImageExtension**

Data type: String

Read-only

RightFax stores each page of a fax as an image file with a unique filename. The extension of the filename indicates the page number. This property returns the RightFax filename extension (such as .309) for the page number (such as page 9) that you specify.

### **PhoneBook**

Data type: [PhoneBook Collection](#)

Read-only

Returns the PhoneBook collection for the specified user. If you do not specify a user by entering the UserID, this property returns a blank PhoneBook collection.

### **Printer**

Data type: [Printer](#)

Read-only

Returns a specific Printer identified by either the PrinterHandle or the unique PrinterID string.

### **Printers**

Data type: [Printers Collection](#)

Read-only



Returns the Printers collection.

### RequireGroupMemberCounts

Data type: Boolean

Read/Write

Indicates whether the group member counts are retrieved when getting Groups.

### RequireUserDocumentCounts

Data type: Boolean

Read/Write

Indicates whether the user document counts are retrieved when getting Users.

### RequireUserGroupIDs

Data type: Boolean

Read/Write

Indicates whether the group IDs are retrieved when getting Groups.

### Protocol

Data type: CommunicationProtocolType enumerated value

Read/Write

Specifies the CommunicationProtocolType of the FaxServer. The specified protocol must be one of the enumerated values, listed here with their numeric equivalents.

| Numeric equivalent | Name         | Notes                                  |
|--------------------|--------------|----------------------------------------|
| 1                  | cpNamedPipes | Use this value for automatic protocols |
| 2                  | cpIPXOS2     | None                                   |
| 3                  | cpSPX        | None                                   |

| Numeric equivalent | Name       | Notes |
|--------------------|------------|-------|
| 4                  | cpTCPIP    | None  |
| 5                  | cpIPX      | None  |
| 6                  | cpSecTCPIP | None  |
| 7                  | cpSecSPX   | None  |

### ServerInfo

Data type: [ServerInfo](#)

Read-only

Returns the ServerInfo object.

### ServerName

Data type: String

Read/write

Specifies the name of the FaxServer object. This property is the default; if you do not name a property, RightFax assumes you are specifying a ServerName.

### Signatures

Data type: [Signatures Collection](#)

Read-only

Returns the Signatures collection.

### SoapProxyServer

Data type: String

Read/write

If UseSoapProxy is set to True, specify a value for this property. Specify the URL for the SOAP proxy server.

### SupportInfo

Data type: String

Read-only

Returns a text file containing the support information for the server, such as the phone number for customer support.

### UseNTAuthentication

Data type: Boolean

Read/write

Indicates whether to use Windows NT Authorization. The default is True or 1: use the currently logged in ID and password for authentication. If you do not use NT authorization, you must specify the AuthorizationUserID and AuthorizationUserPassword.

### User

Data type: [User](#)

Read-only

Returns a specific User identified by either the UserHandle or the unique UserID string.

### Users

Data type: [Users Collection](#)

Read-only

Returns the Users Collection.

### UseSoapProxy

Data type: Boolean

Read/write

A boolean value indicating if all the RPC calls should be proxied through a Soap endpoint.

### Version

Data type: String

Read-only

Returns the version number of the RightFax COM API.

**Example** The following code declares the object variables that are needed to create a FaxServer object and logs on to the server.

```
'Declare the object variables that are used in the application
Dim rfFaxAPI As RFCOMAPILib.FaxServer Dim WithEvents
FaxEventHandler As RFCOMAPILib.FaxServerDim rfEvents As
RFCOMAPILib.Events DIM MyFaxServer As
RFCOMAPILib.FaxServerPublic Sub CreateGroup()

 Set MyFaxServer = New FaxServer 'Log on to the fax server
 MyFaxServer.ServerName = "FaxServer" MyFaxServer.Protocol =
 cpNamedPipes MyFaxServer.AuthorizationUserID = "studentX"
 MyFaxServer.UseNTAuthentication = True

End Sub
```

## ServerInfo

ServerInfo provides detailed information about the server you are communicating with. To retrieve this object, use the ServerInfo property in the FaxServer object.

### ServerInfo methods

#### SaveToXML

Saves the server info to an XML file.

### ServerInfo properties

#### BaseDirectoryPath

Data type: String

Read-only

Returns the path to the base folder.

#### BillingCodeDescription1

Data type: String

Read-only

Returns the description for BillingCode1. This can be used as a field label for Billing Code1.

### **BillingCodeDescription2**

Data type: String

Read-only

Returns the description for BillingCode2. This can be used as a field label for Billing Code2.

### **BuildDate**

Data type: Long

Read-only

Returns the date when the FaxServer was built. This is in hex format 0xYYYYMMDD.

### **CurrentTimeZone**

Data type: String

Read-only

The time zone in effect on the server.

### **DefaultANSICodePage**

Data type: String

Read-only

Page on the server that contains the ANSI codes.

### **DefaultOEMCodePage**

Data type: String

Read-only

Page on the server that contains the OEM codes.

### **ImageDirectoryLocation**

Data type: String

Read-only

Path to the image folder starting at the root RightFax folder.

### **ImageDirectoryPath**

Data type: String

Read-only

Path to the image folder starting at the system root folder (includes the RightFax directory path).

### **ImageDirectoryShareName**

Data type: String

Read-only

Returns the share name from the LANMAN/LANSERVER.

### **IsDatabaseANSI**

Data type: Boolean

Read-only

Indicates whether the fax server is running in ANSI mode. True or 1 indicates ANSI; False or 0 indicates OEM character support.

### **IsDocsOnDemandLicensed**

Data type: Boolean

Read-only

Indicates whether the server has a license for the RightFax Docs-on-Demand™ module. True or 1 indicates there is a license; False or 0 indicates there is not.

### **IsEnterprise**

Data type: Boolean

Read-only

Indicates whether the server has a license for RightFax Enterprise™ software. True or 1 indicates the server does have a license. False or 0 indicates the server does not have a license.

#### **IsIPPlusConnectorLicensed**

Data type: Boolean

Read-only

Indicates whether the server has an IP Plus Connector license. True or 1 indicates the server does have a license. False or 0 indicates the server does not have a license.

#### **IsOCRConverterLicensed**

Data type: Boolean

Read-only

Indicates whether the server has a RightFax OCR Converter™ software license. True or 1 indicates the server does have a license. False or 0 indicates the server does not have a license.

#### **IsOCRRouterLicensed**

Data type: Boolean

Read-only

Indicates whether the server has a RightFax OCR Router™ software license. True or 1 indicates the server does have a license. False or 0 indicates the server does not have a license.

#### **IsOEMCPModeEnabled**

Data type: Boolean

Read-only

Indicates whether the original equipment manufacturer code page mode is enabled. True or 1 indicates the mode is enabled; False or 0 indicates it is not.

#### **IsPDFModuleLicensed**

Data type: Boolean

Read-only

Indicates whether the server has a license for the RightFax PDF module. True or 1 indicates the server does have a license. False or 0 indicates the server does not have a license.

#### **IsProductionFilterLicensed**

Data type: Boolean

Read-only

Indicates whether the server has a license for the RightFax Filter for Production™ software. True or 1 indicates the server does have a license. False or 0 indicates the server does not have a license.

#### **IsProductionINLLicensed**

Data type: Boolean

Read-only

Indicates whether the server has a license for the RightFax InternetLink™ module. True or 1 indicates the server does have a license. False or 0 indicates the server does not have a license.

#### **IsProductionLicensed**

Data type: Boolean

Read-only

Indicates whether the server has a RightFax Integration Module™ license. True or 1 indicates the server does have a license. False or 0 indicates the server does not have a license.

#### **IsProductionNotifierLicensed**

Data type: Boolean

Read-only

Indicates whether the server has a production notifier license. True or 1 indicates the server does have a license. False or 0 indicates the server does not have a license.

**IsSatelliteLicensed**

Data type: Boolean

Read-only

Indicates whether the server has a RightFax Satellite™ server license. True or 1 indicates the server does have a license. False or 0 indicates the server does not have a license.

**IsSecureDocsLicensed**

Data type: Boolean

Read-only

Returns True or 1 if the server has a SecureDocs license, and returns False or 0 if it does not.

**IsSerialValid**

Data type: Boolean

Read-only

Indicates whether the SerialNumber property contains a valid RightFax serial number. True or 1 indicates the number is valid; False or 0 indicates it is not.

**IsSmallBusinessServerLicensed**

Data type: Boolean

Read-only

Indicates whether the server has a Small Business Server license. True or 1 indicates the server does have a license. False or 0 indicates the server does not have a license.

**IsTeleconnectLicensed**

Data type: Boolean

Read-only

Indicates whether the server has a RightFax TeleConnect™ module license. True or 1 indicates the server does have a license. False or 0 indicates the server does not have a license.

**LocalToServerTime**

Data type: Date

Read-only

Convert a local time value to a server time value.

**MaximumLicensedUsers**

Data type: Integer

Read-only

Returns the maximum number of users licensed to use the server. A zero indicates no maximum, allowing an unlimited number of users.

**NumberOfLicensedChannels**

Data type: Integer

Read-only

Returns the number of channels licensed for this server.

**RequiredFields**

Data type: RequiredFieldType enumerated value

Read-only

Indicates whether the specified object is required. To specify the object you want to check, send the RequiredFieldIndexType enumerated value from the following list.

| Numeric equivalent | Name            | See also      |
|--------------------|-----------------|---------------|
| 0                  | rftoName        | ToName        |
| 1                  | rftoFaxNumber   | ToFaxNumber   |
| 2                  | rftoVoiceNumber | ToVoiceNumber |

| Numeric equivalent | Name                       | See also                 |
|--------------------|----------------------------|--------------------------|
| 3                  | rfiToCompany               | ToCompany                |
| 4                  | rfiToCityState             | ToCityState              |
| 5                  | rfiFromName                | FromName                 |
| 6                  | rfiFromPersonalVoiceNumber | FromPersonalVoice Number |
| 7                  | rfiFromPersonalFaxNumber   | FromPersonalFax Number   |
| 8                  | rfiFromGeneralVoiceNumber  | FromGeneralVoice Number  |
| 9                  | rfiFromGeneralFaxNumber    | FromGeneralFax Number    |
| 10                 | rfiBillCode1               | BillCode1                |
| 11                 | rfiBillCode2               | BillCode2                |

The return value is one of the following RequiredFieldType enumerated values.

| Numeric equivalent | Name          | Notes                                             |
|--------------------|---------------|---------------------------------------------------|
| 0                  | rfNotRequired | The object is not required.                       |
| 1                  | rfSend        | The object is only required when sending a fax.   |
| 2                  | rfReceive     | The object is only required when receiving a fax. |
| 3                  | rfAlways      | The object is always required.                    |

### SerialNumber

Data type: String

Read-only

Returns the server serial number. Use the IsSerialValid property to determine whether the serial number is valid.

### ServerName

Data type: String

Read-only

Returns the name of the server currently being used for communication.

### ServerSpecial

Data type: ServerSpecialType enumerated value

Read-only

Returns the special type of the server. The special type is one of the following ServerSpecialType enumerated values.

| Numeric equivalent | Name       |
|--------------------|------------|
| 9999               | ssDelear   |
| 9998               | ssTampered |

### ServerTimeBias

Data type: Long

Read-only

Returns the difference, in hours, between local time and Greenwich Mean Time.

### ServerToLocalTime

Data type: Date

Read-only

Convert a server time value to a local time value.

### ServerType

Data type: ServerType enumerated value

Read-only

Returns the type of server from the following list of valid `ServerType` enumerated values.

| Numeric equivalent | Name |
|--------------------|------|
| 0x0CF1L            | sOS2 |
| 0x0CF2L            | sNT  |

### **ServerVersion**

Data type: Long

Read-only

Returns the version number of the server in hexadecimal format. Use `ServerVersionAsString` to view the server version in text format.

### **ServerVersionAsString**

Data type: String

Read-only

Returns the version number of the server as a text string. Use `ServerVersion` to view the server version in hexadecimal format.

### **TimeZoneInfo**

Data type: `TimeZoneInfoType` enumerated value

Read-only

Returns information about the time zone that the server is using for the current time. The time zone is one of the following `TimeZoneInfoType` enumerated values.

| Numeric equivalent | Name       |
|--------------------|------------|
| 0                  | tziInvalid |
| 1                  | tziValid   |

| Numeric equivalent | Name                   |
|--------------------|------------------------|
| 2                  | tziStandardTime        |
| 3                  | tziDaylightSavingsTime |

### **ValidateBillingCodes**

Data type: Boolean

Read-only

Indicates whether submitted billing codes are checked against a list of valid codes.

## Chapter 4: Fax objects and attachments

There are two types of Fax objects. When a fax is received into the system, a Fax object is created that contains the sender and recipient information. This object has an Attachment object that contains the name of the page image of the incoming fax in TIFF format.

When a user creates a fax to be sent to someone else, the new Fax object can reference other objects such as a signature file or cover sheet. In addition, there can be several types of Attachment objects (such as billing codes). When the user sends the fax, the Fax object is converted to a page image in TIFF format, and the name of the image is stored in an Attachment object.

This section describes the Fax object and the associated properties and methods. It also describes the objects that can be attached to a Fax object (Files, LibraryDocuments, Forms, and BillingCodes).

**Caution** All examples were created and verified using Microsoft Visual Basic 6.0. If you are using a different development environment, some of the examples in this section may not work as expected.

### Attachment

An Attachment object defines the objects associated with a specific Fax. There are four types of Attachment objects, distinguished by the value of the AttachmentType property. When creating a new fax, an attachment can be either a form, billing code, file or library document. For incoming faxes, the AttachmentType is always File.

### Attachment methods

None.

#### See also:

Attachments Collection, BillingCode, Form, LibraryDocument

### Attachment properties

#### AttachmentType

Data type: AttachmentType enumerated value

Read/write

Specifies the type of attachment from the following list of valid AttachmentType enumerated values. For each AttachmentType, you must also specify the property associated with that type.

| Numeric equivalent | Name              | Associated property | See also               |
|--------------------|-------------------|---------------------|------------------------|
| 0                  | aNone             | N/A                 | N/A                    |
| 1                  | aFile             | FileDescription     | File object            |
| 2                  | aLibrary Document | LibraryDocument     | LibraryDocument object |
| 3                  | aForm             | Form                | Form object            |
| 4                  | aBillingCode      | BillingCode         | BillingCode object     |
| 5                  | aNativeFile       | FileDescription     | Native file object     |



For incoming faxes, the system creates an AttachmentType of File for the image of the fax.

### **BillingCode**

Data type: BillingCode

Read/write

Specifies the code used for accounting purposes. This property is only used when the AttachmentType is a BillingCode.

### **DeleteAfterSend**

Data type: Boolean

Read/write

Indicates if the attachment object will be deleted after it is copied to the fax server. There is no default. Specify either True (deletes the object) or False.

### **FileDescription**

Data type: String

Read/write

Specifies an attachment. When creating a new fax this can be a Form, BillingCode, File, or LibraryDocument. For existing faxes it can only be the image that is associated with the fax.

### **FileName**

Data type: String

Read/write

Specifies the full path and name of the file that is to be attached to the Fax object. For incoming faxes, this property names the file that contains the image of the incoming fax. This property is only used when the AttachmentType is aFile.

### **Form**

Data type: Form

Read/write

Specifies the name of the form that is to be overlaid onto the generated fax (such as company letterhead or a transmission form). This property is only used when AttachmentType is aForm.

### **IsDocumentMailBody**

Data type: Boolean

Read/write

If AttachmentType equals aNativeFile, this property indicates if the document is going to be the body of the mail message.

### **LibraryDocument**

Data type: LibraryDocument

Read/write

Specifies the name of an existing document to be attached to the Fax object (such as company literature or employment applications). This property is only used when AttachmentType is aLibraryDocument.

### **See also:**

Attachment, Attachments Collection, BillingCode, Form, LibraryDocument

**Example** The following code stores the name of the first attachment to a variable called sTmpFileName.

```
Dim obFax As RFCOMAPILib.Fax
Dim obAttachment As RFCOMAPILib.Attachment
Dim sTmpFileName As String
Set obFax = MyFaxServer.User("Owner of Fax").Faxes(1)
Set obAttachment = obFax.Attachments(1)
sTmpFileName = obAttachment.FileName
'Do something with sTmpFileName
```

## **Attachments collection**

An Attachments Collection contains one or more Attachment objects.

## Attachments Collection methods

### Add

Adds an object to the collection.

### AddNativeDocument

Adds a native document attachment for use with Secure Docs and Certified Delivery.

### Remove

Removes a specified type of attachment object from the collection but not from the server. To remove an object from the server, use the Delete method in the object you want to delete. You must specify one of the AttachmentType enumerated values.

### RemoveAll

Removes all objects from the collection but not from the server. To remove an object from the server, use the Delete method in the object you want to delete.

## Attachments Collection properties

### Count

Data type: Long

Read-only

Returns the total number of objects in the collection.

### Create

Data type: Attachment

Read-only

Returns a new Attachment object.

### Item

Data type: Attachment

Read-only

Returns the Attachment object with the specified Item number. Each object in the collection is numbered, starting with 1. For example, to check for a second attachment, enter:

```
attachment.item (2)
```

### See also:

Attachment, Attachments Collection, BillingCode, Form, LibraryDocument

**Example** The following code checks to see if the fax has a library document attachment. If it does, this code adds the specified document to the fax before sending it.

```
If IstLibDocs.Text = "" Then
```

```
 oFax.Send
```

```
Else
```

```
 libdoc = IstLibDocs.Text
```

```
 Fax.Attachment.Add_
```

```
 MyFaxServer.LibraryDocuments(libdoc)
```

```
 oFax.Send
```

```
End If
```

## BillingCode

A BillingCode object specifies categorization information that can be used later for functions such as accounting or tracking. For example, billing codes can be assigned to various clients, departments, or types of expense by your accounting department. These codes can be verified against a master billing code table within the RightFax system or used by external applications such as accounting.

## BillingCode methods

### Delete

Removes the object from the server.

### ReadFromXML

Reads XML data from an XML file.

### Save

Writes the object to the server.

### SaveToXML

Saves the billing code information to an XML file.

## BillingCode properties

### BillInfo1

Data type: String

Read/Write

Specifies a string that represents a category in the system.

### BillInfo2

Data type: String

Read/Write

Specifies a second string. A BillingCode object can contain either, both, or no BillInfo properties.

### Description

Data type: String

Read/Write

Specifies a text description of the billing code.

### Handle

Data type: Long

Read-only

The handle is used internally by the RightFax system to identify each unique object. If you specify a value without specifying a property name, the system assigns that value as the object Handle.

### See also:

BillingCodes Collection, Attachment

**Example** The following code retrieves information on faxes related to a specific billing code and saves it to a database. It also adds one extra page for the coversheet which is not counted in the TotalPages property of a sent fax.

```
Public Sub getPages()
Dim Fax As RFCOMAPILib.Fax
Dim nCount As Integer
For Each User in myFaxServer.Users
 For Each Fax in myFaxServer.Faxes(User.ID)
 bcCompare = Fax.BillingCode.BillInfo1
 If bcCompare = "BillingCode" Then
 nCount = nCount + (Fax.TotalPages + 1)
 End If
 Next
Next
End Sub
```

## BillingCodes Collection

A BillingCodes collection is a set of one or more BillingCode objects. This type of collection can get very large, depending on the complexity of the BillingCodes. Use the SearchOnKey, SearchString, and MaxRecords properties in conjunction with the Execute method to identify specific BillingCode objects within the collection.

## BillingCodes Collection methods

### Add

Adds an object to the collection.

### Execute

Begins a search for a particular BillingCode object, based on the values

in the `SearchOnKey` and `SearchString` properties, and returns the objects that meet the specified criteria. For example:

```
Private Sub Form_Load()
 Set BillCodes = frmMain.g_FaxAPI.BillingCodes
 listBillCodes.ColumnHeaders.Add , , "B11", 2000
 listBillCodes.ColumnHeaders.Add , , "Descript", 2000
 BillCodes.SearchString = ""
 BillCodes.SearchOnKey = 1
 BillCodes.MaxRecords = 999999
 BillCodes.Execute
 LoadBillCodes
End Sub
```

### Remove

Removes a specified object from the collection but not from the server. To remove an object from the server, use the `Delete` method in the object you want to delete.

### RemoveAll

Removes all objects from the collection but not from the server. To remove an object from the server, use the `Delete` method in the object you want to delete.

### SaveToXML

Saves the billing code collection to an XML file.

## BillingCodes Collection properties

### Count

Data type: Long

Read-only

Returns the number of objects in the collection.

### Create

Data type: BillingCode

Read-only

Returns a new object.

### Item

Data type: BillingCode

Read-only

Returns the BillingCode object with the specified Item number. Each object in the collection is numbered, starting with 1.

### MaxRecords

Data type: Long

Read/Write

Indicates the maximum number of BillingCodes to return when searching with the `Execute` method.

### SearchOnKey

Data type: Integer

Read/Write

Specifies the field to search for a BillingCode object within the collection. Valid key values are:

| Value | Field       |
|-------|-------------|
| 1     | BillInfo1   |
| 2     | BillInfo2   |
| 3     | Description |

### SearchString

Data type: String

Read/Write

Search for a string using the specified `SearchOnKey`.

**See also:**

BillingCode, Attachment

**Example** The following code gets the billing code collection and displays the code and description for each BillingCode1.

```
Private Sub Form_Load()
 Set BillCodes = frmMain.g_FaxAPI.BillingCodes
 listBillCodes.ColumnHeaders.Add , , "B1", 2000
 listBillCodes.ColumnHeaders.Add , , "Description", 2000
 listBillCodes.ColumnHeaders.Add , , "Handle", 2000
 BillCodes.SearchString = ""
 BillCodes.SearchOnKey = 1
 BillCodes.MaxRecords = 999999
 BillCodes.Execute
 LoadBillCodes

End Sub

Private Sub LoadBillCodes()
 Dim BillCode As RFCOMAPILib.BillingCode
 Dim lstItem As ListItem
 listBillCodes.ListItems.Clear

 For Each BillCode In BillCodes
 Set lstItem = listBillCodes.ListItems.Add
 lstItem.Text = BillCode.BillInfo1
 lstItem.SubItems(1) = BillCode.Description
 lstItem.SubItems(2) = BillCode.Handle
 Next

End Sub

Private Sub listBillCodes_DblClick()
 Dim BillCode As RFCOMAPILib.BillingCode

 For Each BillCode In BillCodes
 If (BillCode.Handle =
listBillCodes.SelectedItem.SubItems(2)) Then
```

```
 Set frmMain.g_CurBillCode = BillCode
 Unload Me
 Exit Sub
 End If
Next
```

```
End Sub
```

```
Private Sub Form_Resize()
```

```
 listBillCodes.Width = frmBillCodes.Width - 120
 listBillCodes.Height = frmBillCodes.Height - 400
```

```
End Sub
```

## CoverSheet

A CoverSheet object can be either a Microsoft Word document or a PCL file. When the fax is sent, the sender and recipient information as well as any cover sheet notes are merged with the cover sheet template and converted to an image file for transmission. For the cover sheet to be sent, the HasCoversheet property in the Fax object, must be set to True or 1, and the file name must be specified with the FCSFilename property. The cover sheet notes, if any, are specified with the CoverSheetNotes property for each CoverSheets Collection object.

## CoverSheet methods

### Delete

Deletes the coversheet.

### SaveToXML

Save the coversheet info to an XML File.

### Update

Updates the coversheet.

## CoverSheet properties

### Description

Data type: String  
Read-only

Specifies the description for the cover sheet.

### ID

Data type: String  
Read-only

Specifies an ID you can assign to identify each unique object. If you specify a value without specifying a property name, the system assigns that value as the object ID.

### IsSystemDefault

Data type: Boolean  
Read-only

Indicates if this is the system default cover sheet.

### LongFileName

Data type: String  
Read-only

Specifies the full file name of the cover sheet.

When used to specify the cover sheet to use when sending a fax, the default cover sheet for the user sending the fax will be used.

### ShortFileName

Data type: String  
Read-only

Specifies the short file name for the cover sheet.

Use this to specify the cover sheet to use when sending a fax.

## CoverSheets Collection

A CoverSheets collection is a set of one or more CoverSheet objects.

## CoverSheets Collection methods

### Add

Re-loads the list of fax objects from the fax server.

### Refresh

Re-loads the list of fax objects from the fax server.

### Remove

Removes a specified object from the collection but not from the server. To remove an object from the server, use the Delete method in the object you want to delete.

### RemoveAll

Removes all objects from the collection but not from the server. To remove an object from the server, use the Delete method in the object you want to delete.

### SaveToXML

Save the coversheet collection to an XML file.

## CoverSheets Collection properties

### CoversheetByFileName

Data type: CoverSheet  
Read-only

Returns the coversheets by filename.

### CoversheetByID

Data type: CoverSheet  
Read-only

Returns the coversheets by ID.

### Count

Data type: Long

Read-only

Returns the number of objects in the collection.

### Create

Data type: CoverSheet

Read-only

Returns a new object.

### Item

Data type: CoverSheet

Read-only

Returns the Fax object with the specified item number. Each object in the collection is numbered, starting with 1.

**Example** To specify a cover page called FaxLetterhead.pcl, use the following code.

```
myNewFax.FCSFilename = "FaxLetterhead.pcl"
myNewFax.HasCoversheet = True
```

## Fax

A Fax object contains all the information about the components of a fax. There can be many other objects referenced by the properties in a single fax object. The default property name is Handle. If you specify a value without specifying a property name, the system assigns that value as the object Handle.

## Fax methods

### Approve

This method is only available if the IsNeedingApproval property is set to True or 1. The Approve method sets the IsNeedingApproval property to

False or 0 and the IsApproved property to True or 1. The fax is submitted to the queue to be sent.

### Delete

Removes the fax from the server. To remove a fax from the Faxes collection, but not from the server, use the Remove method or the RemoveAll method at the collection level.

### DisableSendViaSecureDocs

Disables sending of this fax via Secure Docs and Certified Delivery.

### Disapprove

This method is only available if the IsNeedingApproval property is set to True or 1. The Disapprove method sets the IsNeedingApproval property to False or 0 and the IsApproved property to False or 0, indicating that the fax was not approved and is not sent.

### EnableSendViaSecureDocs

Enables sending of this fax via Secure Docs and Certified Delivery.

### ForwardToUsers

Sends the fax to multiple users within the RightFax system. For example:

```
Dim myUsers As Users
Set myUsers = objFaxServer.Users
myUsers.RemoveAll
myUsers.Add myFaxServer.User("USER1")
myUsers.Add myFaxServer.User("USER2")
objFax.ForwardToUsers myUsers, "Check out this fax"
```

### Kick

Re-sends a fax that has already been sent. See also the Send method for new faxes.

### Mark

Changes the state of a fax to a specified FaxMarkType value.

| Numeric equivalent | Name          |
|--------------------|---------------|
| 0                  | fmViewed      |
| 1                  | funneled      |
| 3                  | fmPrinted     |
| 4                  | fmNotPrinted  |
| 5                  | fmReleased    |
| 6                  | fmHeld        |
| 7                  | fmBodyPrinted |
| 8                  | fmApproved    |
| 9                  | fmDisapproved |
| 10                 | fmGeneric1    |
| 11                 | fmNotGeneric1 |
| 12                 | fmGeneric2    |
| 13                 | fmNotGeneric2 |

For example, to mark a record as approved, enter the following line of code.

```
objFax.Mark fmApproved
```

This method has an Atomic parameter so you can block other transactions as this one takes place. As soon as the method is complete, the object is unblocked. Set the Atomic parameter to True or 1 to block; set it to False or 0 to allow access. The default is False or 0.

### MoveToFolder

Moves the fax to the specified folder.

### OCR

Converts the current fax from an image to text using optical character recognition algorithms. Inputs are the start page, the end page, the

OCRFormatType, OCRLayoutType, and a file extension for the resulting file (such as .txt or .doc). If you don't specify OCRFormatType or OCRLayoutType with this method, the system uses the format specified in the User object. See also AutoOCRLayout.

| Numeric equivalent | OCRFormatType Name                       |
|--------------------|------------------------------------------|
| 0                  | ofSmartASCII                             |
| 1                  | ofASCII                                  |
| 3                  | ofRTF                                    |
| 0xFFFF             | ofUseUserType<br>See also AutoOCRFormat. |

| Numeric equivalent | OCRLayoutType Name |
|--------------------|--------------------|
| 0                  | olWYSIWYG          |
| 1                  | olLeftJustified    |
| 0xFFFF             | olUseUserType      |

### PrintFax

Sends the fax to the print queue to await printing. Inputs are the start page (default is -1), end page, and a Boolean operator (True or False) that indicates whether to include the cover page.

### ReadFromXML

Reads XML data from an XML file.

### RouteToUser

Sends a fax to a user within the RightFax system. To send to multiple users, use the ForwardToUsers method.



**Save**

Saves the fax object. With the Save method, you can automatically resend a fax by using the Kick parameter. Set the parameter to True or 1 to send the fax after it is saved; set the parameter to False or 0 if you want to save without sending. See also the Kick method, which resends the fax as a separate method.

**SaveToXML**

Saves the fax to an XML file.

**Send**

Converts the fax to an image file and sends it to the specified recipients. To resend a fax that has been sent, use the Kick method.

**SplitFax**

Splits a fax.

**StoreAsFormUpdate**

Stores the current fax as a form that can be used later by other fax objects. This method updates an existing form, that you must specify. To store the form to a new name and create a new form, see StoreAsNewForm. This method also has a parameter which specifies if you want the form stored with the TTI information (the top half-inch of the fax). Set the RemoveTTILine parameter to True or 1 to remove the TTI line. The default for the RemoveTTILine parameter is False or 0 (leave the form as is).

**StoreAsLibraryDocumentUpdate**

Stores the current fax as a library document that can be used later by other fax objects. This method updates an existing library document, that you must specify. See StoreAsNewLibraryDocument to create a new library document.

**StoreAsNewForm**

Stores the current fax as a new form that can be used later by other fax

objects. You must specify a file name for the form. This method also has a parameter that specifies whether you want the form stored with the TTI information (the top half-inch of the fax). Set the RemoveTTILine parameter to True or 1 to remove the TTI line. The default for the RemoveTTILine parameter is False or 0 (leave the form as is).

**StoreAsNewLibraryDocument**

Stores the current fax as a new library document that can be used later by other fax objects. You must specify a file name for the library document. For example, to create a document named PRICES with the description "Price Sheet," enter the following line.

```
objFax.StoreAsNewLibraryDocument "PRICES", "Price Sheet"
```

**Fax properties****ANI**

Data type: String

Read-only

Returns the ANI.

**Attachments**

Data type: Attachments Collection

Read-only

Returns the Attachments collection associated with the current fax object. See Attachment object or Attachments collection for more information.

**AutoForwardCount**

Data type: Integer

Read-only

Returns the number of times that the fax has been forwarded using the AutoForward feature. This number is tracked for each fax to prevent

infinite forwarding loops. By default the maximum number of allowed AutoForward events is 5.

**BFTFilename**

Data type: String

Read-only

Returns the file name of the binary file transfer information file if one exists. Binary file transfers have been replaced by the fax image attachment, but this property remains available for backwards compatibility.

**BFTFileSize**

Data type: Long

Read-only

Returns the size of the binary file transfer information file if one exists. Binary file transfers have been replaced by the fax image attachment, but this property remains available for backwards compatibility.

**BillingCode**

Data type: BillingCode

Read-only

Returns the BillingCode object associated with the fax, if any. See the BillingCode object for more information.

**BillingCode1**

Data type: String

Read/Write

Returns the Billing Code 1 field as a string.

**BillingCode2**

Data type: String

Read/Write

Returns the Billing Code 2 field as a string.

**CertifiedDeliveryPassword**

Data type: String

Read/Write

If a password is desired when creating document for Certified Delivery, specify the password as a string. This property is only used when creating a new email message.

**ChannelToSendOn**

Data type: Integer

Read/Write

Specifies the channel for sending the current fax.

**CompletionDateTime**

Data type: Date

Read/Write

Specifies the completion time expressed as time\_t. 0 if fax is not yet complete.

**ConversionBias**

Data type: ConversionBiasType enumerated value.

Read/Write

Sets the conversion bias for the current fax job. Use one of the following ConversionBiasType enumerated values:

| Numeric equivalent | Name              |
|--------------------|-------------------|
| 0                  | ServerDefault     |
| 1                  | None              |
| 2                  | OptimizeForImages |
| 3                  | OptimizeForText   |
| 4                  | HighContrast      |

**CoverSheetSizeInBytes**

Data type: Long

Read-only

Returns the size of the fax cover sheet in bytes.

**DelayFaxSendDateTime**

Data type: Date

Read/Write

Specifies the date and time that the fax should be sent in Visual Basic variant format.

**DelegateID**

Data type: String

Read/Write

Specifies the delegate ID of the delegate.

**EmailSubject**

Data type: String

Read/Write

Specifies the Subject line of a new email message. This property is only used when creating a new email message.

**ExpirationTimeoutInSeconds**

Data type: Integer

Read/Write

Specifies an integer that indicates the expiration timeout in seconds.

**ExpiresIn**

Data type: Integer

Read/Write

Specifies an integer that indicates in time\_t units the time between creation and expiration. After expiration, the fax should not be sent.

**FaxDisposition**

Data type: Integer

Read-only

Returns an integer that indicates the disposition of the fax. This property has been replaced by information in the FaxStatus property, but remains available for backwards compatibility.

**FaxDispositionEx**

Data type: Integer

Read/Write

Specifies an integer that indicates the disposition of the fax. This property has been replaced by information in the FaxStatus property, but remains available for backwards compatibility.

**FaxErrorCode**

Data type: FaxErrorCodeType enumerated value

Read-only

Returns the FaxErrorCodeType. A zero indicates that there was no error. The FaxErrorCodeType is one of the following enumerated values.

| Numeric equivalent | Name                 | Notes                                                                                               |
|--------------------|----------------------|-----------------------------------------------------------------------------------------------------|
| 0                  | fecNone              | No error                                                                                            |
| 1                  | fecBusy              | Fax number was busy                                                                                 |
| 2                  | fecTransmissionError | Fax was not sent/received                                                                           |
| 3                  | fecPoorQuality       | The fax board returned a message indicating that although the fax was received, it contained errors |

| Numeric equivalent | Name                        | Notes                                                                 |
|--------------------|-----------------------------|-----------------------------------------------------------------------|
| 4                  | fecNoAnswer                 | The destination number did not answer the phone                       |
| 5                  | fecBadFCS                   | Bad File Cover Sheet                                                  |
| 6                  | fecBadConvert               | The fax was not converted to an image file                            |
| 7                  | fecMakeFCS                  | Error occurred creating Fax Cover Sheet                               |
| 8                  | fecCantSchedule             | Fax was not sent because fax transmission schedule full               |
| 9                  | fecUnknown                  | Unknown error report by fax board                                     |
| 10                 | fecHuman                    | A human answered the phone                                            |
| 11                 | fecGroup2                   | Reached a Group2 machine                                              |
| 12                 | fecLocalInUse               | The destination fax number is unable to receive                       |
| 13                 | fecLineProblem              | Communications line between the two fax numbers not working correctly |
| 14                 | fecBadPaper                 | Invalid FormType specified                                            |
| 15                 | fecBadSignature             | Invalid signature file specified                                      |
| 16                 | fecNoSignatureAuthorization | The fax required but did not receive signature authorization          |
| 18                 | fecDiscarded                | Canceled by user                                                      |
| 19                 | fecBadPhone                 | Invalid characters in fax number                                      |
| 21                 | fecInvalidCode              | Invalid BillingCode                                                   |
| 22                 | fecBadCode                  | Error in an embedded code                                             |
| 23                 | fecBadOCR                   | OCR operation failed                                                  |

| Numeric equivalent | Name                               | Notes                                                             |
|--------------------|------------------------------------|-------------------------------------------------------------------|
| 24                 | fecBadPrint                        | Print operation failed                                            |
| 25                 | fecNoLibraryDocument Authorization | Unauthorized user attempting to create a new library document     |
| 26                 | fecViewStar1                       | ViewStar imaging system import error                              |
| 27                 | fecDisapproved                     | The fax was disapproved for transmission                          |
| 28                 | fecEmailDeliveryError              | The fax document was not sent to the specified email address      |
| 29                 | fecBlockedNumber                   | The fax was not sent because it was sent to a blocked fax number. |
| 30                 | fecEmailDelBeforeRead              | The email was deleted before it was read.                         |

**FaxFilename**

Data type: String

Read-only

Returns the name of the image file associated with an incoming fax. The image file is stored in the image folder on the fax server. This property returns the file name, not the image object.

**FaxFilenameEx**

Data type: String

Read-only

Returns the name of the image file associated with an incoming fax. The image file is stored in the image folder on the fax server. This property returns the file name, not the image object.

**FaxGUID**

Data type: String

Read/Write

Specifies Unique Identifier assigned by the DocTransport.

### **FaxID**

Data type: Integer

Read-only

Returns the ID assigned to the fax by the fax hardware when the fax is schedule to be sent.

### **FaxPagesInFront**

Data type: Integer

Read-only

Returns the number of fax pages in the queue preceding the current fax.

### **FaxRecordDateTime**

Data type: Date

Read-only

Returns the date and time that the fax was created in Visual Basic variant format.

### **FaxStatus**

Data type: FaxStatusType enumerated value

Read-only

Returns the status of the fax as a FaxStatusType. This is one of the valid FaxStatusType enumerated values.

| Numeric equivalent | Name              | Notes                             |
|--------------------|-------------------|-----------------------------------|
| 0                  | fsUnborn          | Not yet created                   |
| 1                  | fsNeedsFCS        | Needs fax cover sheet             |
| 2                  | fsNeedsConversion | Needs conversion to an image file |

| Numeric equivalent | Name                | Notes                                               |
|--------------------|---------------------|-----------------------------------------------------|
| 3                  | fsNeedsToBeSent     | None                                                |
| 4                  | fsInConversion      | In the process of being converted to an image file  |
| 5                  | fsInSend            | usPagesInFront indicates how many pages sent so far |
| 6                  | fsDoneOK            | Successfully sent or received                       |
| 7                  | fsManualFCS         | Uses a manual fax cover sheet                       |
| 8                  | fsInSchedule        | Awaiting scheduled send time                        |
| 9                  | fsDoneError         | Too many errors, is not retried                     |
| 10                 | fsDuplicate         | None                                                |
| 11                 | fsError             | None                                                |
| 12                 | fsNeedsAttention    | None                                                |
| 13                 | fsNeedsAttachment   | None                                                |
| 14                 | fsHeldForPreview    | None                                                |
| 15                 | fsInOCR             | None                                                |
| 16                 | fsInPrint           | None                                                |
| 17                 | fsQueuedForPrinting | None                                                |
| 18                 | fsQueuedForOCR      | None                                                |
| 19                 | fsInValidation      | None                                                |
| 20                 | fsInApproval        | None                                                |

### **FaxStatusEx**

Data type: FaxStatusType enumerated value

Read/Write

Specifies the status of the fax as a `FaxStatusType`. This is one of the valid `FaxStatusType` enumerated values listed in `FaxStatusType Enumerated Values`.

### **FaxTerminationStatus**

Data type: Integer

Read-only

Returns an integer indicating the termination status of the fax. The information available through this property has been moved to the `FaxHistory` object but this property remains available for backwards compatibility. See the `Histories` collection or the `FaxStatus` property.

### **FaxTerminationStatusEx**

Data type: Integer

Read/Write

Specifies an integer indicating the termination status of the fax. The information available through this property has been moved to the `FaxHistory` object but this property remains available for backwards compatibility. See the `Histories` collection or the `FaxStatus` property.

### **FCSFilename**

Data type: String

Read/Write

Specifies the name of the fax cover sheet image in the server's image folder. See also the `OriginalFCSFilename` property.

### **Folder**

Data type: Folder

Read/Write

Specifies the `Folder` object for this fax.

### **ForwardToNewFaxNumber**

Data type: Fax

Read-only

Returns a new fax that has all of the same properties as the previous fax except the `FaxID`.

### **FromFaxNumber**

Data type: String

Read/Write

Specifies the sender's fax number.

### **FromGeneralFaxNumber**

Data type: String

Read/Write

Specifies the sender's company fax number.

### **FromGeneralVoiceNumber**

Data type: String

Read/Write

Specifies the sender's company voice number.

### **FromName**

Data type: String

Read/Write

Specifies the sender's name.

### **FromVoiceNumber**

Data type: String

Read/Write

Specifies the sender's voice number.

### **GenerateCompletionEvent**

Data type: Boolean

Read/Write

Specifies whether to generate a completion event after the fax has been sent. Set this property to True or 1 to generate the completion event. Set it to False or 0 if you do not want to generate a completion event.

### **Handle**

Data type: Long

Read-only

The handle is used internally by the RightFax system to identify each unique object. If you specify a value without specifying a property name, the system assigns that value as the object Handle.

### **HasBFT**

Data type: Boolean

Read-only

Indicates whether the fax uses binary file transfer. The property returns True or 1 if the fax has BFT; it returns False or 0 if it does not. Binary file transfers have been replaced by the fax image attachment, but this property remains available for backwards compatibility.

### **HasCoversheet**

Data type: Boolean

Read/Write

Indicates whether the fax has a cover sheet. It is only valid for outgoing faxes. True or 1 indicates there is a cover sheet; False or 0 indicates there is no cover sheet. The cover sheet is stored as a file on the server and can be specified using the FCSFilename property. Each user can specify a default cover page setting with the IsCoverPageDefaultedOn property, or a group can be required to use a cover sheet based on the MustHaveCoversheet property.

### **HasHotlink**

Data type: Boolean

Read/Write

Indicates whether the fax has a hotlink.

### **HasPDF**

Data type: Boolean

Read-only

Indicates whether the fax has a rich PDF document associated with it.

### **HideFromWeb**

Data type: Boolean

Read-only

Hides the fax from the certified delivery Web interface when the recipient deletes it. (The original fax cannot be deleted from the fax database by the recipient, so it is hidden instead.)

### **Histories**

Data type: FaxHistories Collection

Read-only

Returns the FaxHistories collection associated with the fax. The collection contains one or more history objects.

### **ImageSizeInBytes**

Data type: Long

Read-only

Returns the size of the fax body in bytes.

### **InputFilename**

Data type: String

Read-only

Returns the name of the file that appears in the outgoing folder. This property has been replaced by functionality in the Attachment object. See also Attachments Collection.

### **IsApproved**

Data type: Boolean

Read-only

Indicates whether the fax has been approved. True or 1 indicates it has been approved; False or 0 indicates it has not been approved.

### **IsBillingCodesVerified**

Data type: Boolean

Read-only

Indicates whether the BillingCode attachment has been checked against the list of valid billing codes. True or 1 indicates the BillingCodes have been checked and are valid. False or 0 indicates that they are not valid billing codes.

### **IsBroadcastFax**

Data type: Boolean

Read/Write

Specifies whether the fax is a broadcast fax. True or 1 indicates that the fax is a broadcast fax, and the status is updated when the entire job is complete (saving machine overhead).

### **IsCallbackRequested**

Data type: Boolean

Read-only

Indicates whether the sender requests a call from the recipient. True or 1 indicates that a callback is requested; False or 0 indicates that no such request has been made. This property only applies to sent faxes. The default setting for callback request is set with the IsCallbackRequested property in the User object.

### **IsCertifyDelivered**

Data type: Boolean

Read/Write

Indicates whether the fax was sent via certified delivery.

### **IsCoversheetConversionNeeded**

Data type: Boolean

Read/Write

Specifies whether the cover sheet for the fax needs to be converted to a TIFF format image file. True or 1 indicates that conversion is required; False or 0 indicates that it is not required.

### **IsCoversheetFine**

Data type: Boolean

Read-only

Specifies whether the cover sheet is in Fine mode. True or 1 indicates that the cover sheet is in Fine mode (200×200 dots per inch resolution); False or 0 indicates that it is in normal mode (100×100 dots per inch resolution). See also the IsFineMode property.

### **IsDeleted**

Data type: Boolean

Read-only

Specifies whether the fax has been deleted. True or 1 indicates that the fax has been deleted from the server. False or 0 indicates that it has not been deleted.

### **IsDeletedAfterAnySend**

Data type: Boolean

Read/Write

Specifies whether the fax is deleted from the server after the Send event, regardless of whether the fax is sent successfully. Set this to True or 1 to show the fax is deleted. Set it to False or 0 to show that it is not deleted. See also the IsDeletedAfterSuccessfulSend property.

### **IsDeletedAfterSuccessfulSend**

Data type: Boolean

Read/Write

Specifies whether the fax is deleted from the server after a successful Send event. Set this to True or 1 to show the fax is deleted. Set it to



False or 0 to show the fax is not deleted. See also the `IsDeletedAfterAnySend` property.

### **IsFaxAutoForwarded**

Data type: Boolean

Read-only

Specifies whether the fax was automatically forwarded. The `AutoForward` feature is set and type of forwarding defined in the User object. True or 1 indicates that the fax was automatically forwarded. False or 0 indicates that the fax was not forwarded. See also the `IsForwarded` property.

### **IsFaxBodyAutomaticallyPrinted**

Data type: Boolean

Read-only

Specifies whether the fax was automatically printed. The `Autoprint` feature is set and the printer defined in the User object. True or 1 indicates that this fax was automatically printed. False or 0 indicates that this fax was not forwarded.

### **IsFCSCCompleted**

Data type: Boolean

Read-only

Specifies whether the fax cover sheet has been completed. True or 1 indicates that the cover sheet is complete. False or 0 indicates that the cover sheet is not complete.

### **IsFineMode**

Data type: Boolean

Read/Write

Specifies whether the body of the fax is in Fine mode. True or 1 indicates that the fax is in Fine mode (200×200 dots per inch resolution);

False or 0 indicates that it is in normal mode (100×100 dots per inch resolution). See also the `IsCoversheetFine` property.

### **IsForwarded**

Data type: Boolean

Read-only

Specifies whether the fax was manually forwarded. True or 1 indicates that the fax was forwarded. False or 0 indicates that the fax was not forwarded. Use the `ForwardToUsers` method to specify manual forwarding.

### **IsGatewayGenerated**

Data type: Boolean

Read-only

Specifies whether the fax was generated by the `RightFax` email gateway. True or 1 indicates that the fax was generated by an email gateway. False or 0 indicates that it was not.

### **IsGenericFlag1On**

Data type: Boolean

Read/Write

Specifies generic flag 1 as on or off. True or 1 turns it on; False or 0 turns it off. `RightFax` does not use this switch. You can use it in your API code according to your needs.

### **IsGenericFlag2On**

Data type: Boolean

Read/Write

Specifies generic flag 2 as on or off. True or 1 turns it on; False or 0 turns it off. `RightFax` does not use this switch. You can use it in your API code according to your needs.

### **IsHeld**

Data type: Boolean

#### Read/Write

Specifies whether the fax is being held for preview before being sent by the user. True or 1 indicates that the fax is held for preview. False or 0 indicates that it is not.

#### **IsInDelaySend**

Data type: Boolean

#### Read/Write

Specifies whether the fax is being held until the date and time specified by the DelayFaxSendDateTime property. True or 1 indicates that the fax is awaiting the specified time. False or 0 indicates that it is not.

#### **IsInitialized**

Data type: Boolean

#### Read-only

Specifies whether the fax was initialized. True or 1 indicates that the fax was initialized. False or 0 indicates that the fax was not initialized.

#### **IsINLJob**

Data type: Boolean

#### Read/Write

Specifies whether the fax is an INL job.

#### **IsLCRTIMEDelayed**

Data type: Boolean

#### Read-only

Specifies whether the fax was delayed because of a least-cost routing rule. True or 1 indicates that the fax was delayed. False or 0 indicates that the fax was not delayed.

#### **IsNeedingApproval**

Data type: Boolean

#### Read-only

Specifies whether the fax is being held until it is approved. True or 1 indicates that the fax is awaiting approval. False or 0 indicates that it is not. Use the Approve method to send the fax.

#### **IsPrinted**

Data type: Boolean

#### Read-only

Specifies whether the fax was successfully printed. True or 1 indicates that the fax was printed. False or 0 indicates that the fax was not printed. See also the PrintFax method.

#### **IsProductionFax**

Data type: Boolean

#### Read/Write

Specifies whether the fax was generated by the RightFax Production module.

#### **IsReceived**

Data type: Boolean

#### Read-only

Specifies whether the fax is an incoming or outgoing fax. True or 1 indicates that the fax was received (incoming). False or 0 indicates that the fax was sent (outgoing).

#### **IsReceivedEx**

Data type: Boolean

#### Read/Write

Specifies whether the fax is an incoming or outgoing fax. True or 1 indicates that the fax was received (incoming). False or 0 indicates that the fax was sent (outgoing).

#### **IsViewed**

Data type: Boolean

Read/Write

Specifies whether the fax was viewed. True or 1 indicates that the fax was viewed. False or 0 indicates that the fax was not viewed.

### **IsWasDNDBlockedOn**

Data type: Boolean

Read/Write

Specifies whether the fax was blocked by Do Not Dial.

### **JobID**

Data type: String

Read

Returns the RightFax Connect job ID.

### **LastHistoryChangeDateTime**

Data type: Date

Read-only

Returns the date and time that the most recent history element was added to this fax. It is updated every time an element is added to any of the fax history objects. See also the Histories collection.

### **MaximumRetries**

Data type: Integer

Read/Write

Specifies the maximum number of times the system will attempt to deliver the fax if the phone number is not responding. If this is set to 1, the system stops after the first failed attempt. Set this to zero (0) to use the default setting on the RightFax server. Use the TryInterval property to specify the length of time between retries.

### **MessageFromTransport**

Data type: String

Read/Write

Returns message from DocTransport. Created for DocPlus, but can be used by any DocTransport.

### **NeedsPDFConversion**

Data type: Boolean

Read/Write

Indicates whether the fax needs to be scanned for embedded codes before conversion.

### **NeedsPrescan**

Data type: Boolean

Read/Write

Indicates whether the fax requires PDF conversion. When PDF conversion is complete, this property is automatically set to False or 0.

### **NotifyQueue**

Data type: String

Read/Write

Specifies the fully qualified notification queue name, for example computer/\$private/myqueue. Use %QueueServer% for substitution with the name of the queue server.

### **NotifyQueueFlags**

Data type: Integer

Read/Write

Specifies when to post a message to the queue.

| Numeric equivalent | Name      |
|--------------------|-----------|
| 0                  | None      |
| 1                  | OnSuccess |
| 2                  | OnFailure |

**OriginalBFTFilename**

Data type: String

Read-only

Returns the name of the binary file transfer file before it was renamed by the fax server. Binary file transfers have been replaced by the fax image attachment, but this property remains available for backwards compatibility.

**OriginalFCSFilename**

Data type: String

Read/Write

Returns the name of the original file that was converted to use as the fax cover sheet. This is the name as it appears in the server folder. The converted file name is accessible through the FCSFilename property.

**Owner**

Data type: User

Read/Write

Returns the User object for the owner of the fax.

**OwnerId**

Data type: String

Read/Write

Returns the UserID for the owner of the fax.

**PreferredContentType**

Data type: Integer

Read-only

Returns the preferred type of file after conversion.

**Priority**

Data type: FaxPriorityType enumerated value

Read/Write

Sets the priority for the fax using one of the valid FaxPriorityType enumerated values from the following table. For the user to send a fax with High priority, set the IsAbleToUseHighPriority property to True or 1 and the HighestAvailablePriority property to fpHigh in the User object.

| Numeric equivalent | Name     |
|--------------------|----------|
| 0                  | fpNormal |
| 1                  | fpLow    |
| 2                  | fpHigh   |

**Recipients**

Data type: PhonelItemGroup Collection

Read/Write

Specifies multiple users receiving faxes. Define the users in a PhonelItemGroup. Specify that group as recipients. See also the PhonelItemGroup object.

**RecipientNotifyAddress**

Data type:

Read/Wrie

Specifies the recipient notification information.

**RecipNotifyType**

Data type: Integer

Read-only

Returns the type of recipient notification.

**RemoteID**

Data type: String

Read-only

Returns the ID of the sender's fax machine. This applies only to received faxes.

### **SecureCSID**

Data type: String

Read/Write

Returns the secure caller subscriber identification of the sender's fax machine, if any. This applies only to received faxes.

### **SendTime**

Data type: Long

Read-only

Returns the total length of transmission time it took to send or receive the fax. This is available for all received faxes. It is only available for sent faxes after successful completion.

### **StatusDescription**

Data type: String

Read-only

Returns the current status of the fax in text format. For a numeric code indicating the status, see the FaxStatus property.

### **ToCityState**

Data type: String

Read/Write

Specifies the city and state of the recipient. See also the DefaultToCityState property in the User object.

### **ToCompany**

Data type: String

Read/Write

Specifies the recipient's company name. See also the DefaultToCompany property in the User object.

### **ToEmailAddress**

Data type: String

Read/Write

Specifies an email address for the fax destination.

### **ToFaxNumber**

Data type: String

Read/Write

Specifies the telephone number of the recipient's fax machine. See also the DefaultToFaxNumber property in the User object.

### **ToName**

Data type: String

Read/Write

Specifies the recipient's name. See also the DefaultToName property in the User object.

### **TotalLinkCount**

Data type: Integer

Read-only

Returns the total number of links associated with this fax. Links are generated when a RightFax user sends or forwards a fax to another RightFax user. Rather than duplicate the image file of the fax for each user, the system creates a link to a single instance of the image.

### **TotalPages**

Data type: Integer

Read-only

Returns the total number of pages in the fax. The fax must be converted for this to be valid.

### **TotalPagesEx**

Data type: Integer

Read/Write

Specifies the total number of pages in the fax. The fax must be converted for this to be valid.

### ToVoiceNumber

Data type: String

Read/Write

Specifies the telephone number of the recipient. See also the DefaultToVoiceNumber property in the User object.

### TryInterval

Data type: Integer

Read/Write

Specifies how long to wait, in seconds, between attempts to send the fax. Set the MaximumRetries property to greater than 0 for this to have any effect.

### TypeOfPrintJob

Data type: PrintJobType enumerated value

Read/Write

Specifies the type of data in the print job. Use one of the following PrintJobType enumerated values.

| Numeric equivalent | Name          |
|--------------------|---------------|
| 1                  | pjPCL         |
| 2                  | pjPostScript  |
| 3                  | pjPCL2        |
| 4                  | pjPostScript2 |
| 5                  | pjCVL         |

### UnicodeCoverSheetNotes

Data type: String

Read/Write

The cover sheet notes as a unicode text block.

### UniqueID

Data type: String

Read/Write

Specifies the unique ID for this specific print job. This can be defined by either the system or the user.

### UserComments

Data type: String

Read/Write

Comment text added to the fax by the fax sender.

### UseSmartResume

Data type: Boolean

Read/Write

Indicates whether the fax uses the Smart Resume feature of the RightFax system. True or 1 indicates the fax uses Smart Resume. False or 0 indicates it does not.

**Example** The following example sends a fax with an attached library document.

```
Set oFax = MyFaxServer.CreateObject(coFax)
oFax.Owner = oUser
oFax.Toname = tofaxname
oFax.ToFaxNumber = tofaxnum

If 1stLibDocs.Text = "" Then
oFax.Send

Else
libdoc=1stLibDocs.Text
oFax.Attachment.Add
```

```
MyFaxServer.LibraryDocuments(libdoc)
oFax.Send
EndIf
```

## Faxes Collection

A Faxes Collection is a set of one or more Fax objects.

### Faxes Collection methods

#### Add

Adds an object to the collection.

#### Refresh

Re-loads the list of fax objects from the fax server.

#### Remove

Removes a specified object from the collection but not from the server. To remove an object from the server, use the Delete method in the object you want to delete.

#### RemoveAll

Removes all objects from the collection but not from the server. To remove an object from the server, use the Delete method in the object you want to delete.

#### SaveToXML

Saves the fax collection to an XML file.

### Faxes Collection properties

#### Count

Data type: Long

Read-only

Returns the number of objects in the collection.

#### Create

Data type: Fax

Read-only

Returns a new object.

#### Item

Data type: Fax

Read-only

Returns the Fax object with the specified item number. Each object in the collection is numbered, starting with 1.

#### See also:

[Fax](#), [Attachment](#)

**Example** The following code steps through a collection of faxes for each user and displays the fax image.

```
Dim myFax As RFCOMAPILib.Fax
For Each myFax in FaxApi.Faxes("{myUser}")
 DisplayImage myFax.Attachments(1)
```

## Form

A form is an object that overlays a fax, such as corporate letterhead. Within the RightFax system, the form is considered an attachment to a [CoverSheets Collection](#) object. To the recipient, the form appears to be part of the fax image.

### Form methods

#### Delete

Removes the object from the server.

#### ReadFromXML

Reads XML data from an XML file.

### **Save**

Writes the object to the server.

### **SaveToXML**

Saves the form to an XML file.

## **Form properties**

### **Append**

Data type: Boolean

Read/Write

Specifies if the form will be appended to the end of the fax pages (such as a disclaimer page for proposals) or will be used as an overlay on top of the fax page. True indicates the form is added to the end of the fax. False indicates the form is an overlay. The default is False.

### **Handle**

Data type: Long

Read-only

Returns the code used internally by the RightFax system to identify each unique object.

### **ID**

Data type: String

Read/Write

Specifies an ID you can assign to identify each unique object. If you specify a value without specifying a property name, the system assigns that value as the object ID.

### **Name**

Data type: String

Read-only

Specifies a descriptive name for the form.

### **NextFormNum**

Data type: Integer

Read/Write

Specifies the number of the next form that is attached to the current fax object. For example, if one form has the corporate logo and contact information for use on the first page of a document, the next form has only the logo for use on the second and subsequent pages.

### **Num**

Data type: Integer

Read/Write

Specifies the ordinal number of the form object within the Forms collection. For example, the first form in the collection is number 1, the second form added to the collection is number 2, etc.

### **PageCount**

Data type: Integer

Read/Write

Returns the total number of pages in the form object.

### **PageToStartOn**

Data type: Integer

Read/Write

Specifies the page of the fax showing the form. For example, if the form is shown on the second and subsequent pages of a letter, you might specify PageToStartOn(2).

### **SecurityID**

Data type: String

Read/Write

Specifies the user or group authorized to access the form.

### **ServerFileName**



Data type: String

Read/Write

Returns the location, of the form's image files, stored on the server.

**See also:**

[Attachment](#), [Forms Collection](#)

## Forms Collection

A Forms Collection is a set of one or more Form objects.

### Forms Collection methods

#### Add

Adds an object to the collection.

#### Refresh

Re-loads the list of form objects from the fax server.

#### Remove

Removes a specified object from the collection but not from the server. To remove an object from the server, use the Delete method in the object you want to delete.

#### RemoveAll

Removes all objects from the collection but not from the server. To remove an object from the server, use the Delete method in the object you want to delete.

#### SaveToXML

Saves the forms collection to an XML file.

### Forms Collection properties

#### Count

Data type: Long

Read-only

Returns the number of objects in the collection.

#### Create

Data type: Form

Read-only

Returns a new Form object. The user must be authorized to create new forms by having the `IsAbleToCreateNewForms` property set to True or 1 in the user object.

#### Item

Data type: Form

Read-only

Returns the form object with the specified item number. Each object in the collection is numbered, starting with 1.

## LibraryDocument

A library document is a pre-defined image object that can be attached to a fax before sending. For example, you can have a collection of sales literature available for faxing. Each document can be attached to a fax as a library document. The `AttachmentType` property must be set to `alibraryDocument` in the Attachment object.

### LibraryDocument methods

#### AdjustUsage

Changes the authorized use of the library document. The default is to allow access only on the local area network. Specify one of the valid usage types. You can repeat this command as necessary to allow additional uses for each document.

| Numeric equivalent | Name    | Notes                |
|--------------------|---------|----------------------|
| 0                  | lduNone | No authorized usage. |

| Numeric equivalent | Name                 | Notes                                              |
|--------------------|----------------------|----------------------------------------------------|
| 1                  | lduFOD               | Allow usage by the RightFax Docs-on-Demand module. |
| 2                  | lduWeb               | Allow usage on the Web.                            |
| 3                  | lduLAN               | This is the default.                               |
| 0x0100             | lduResetAll          | Re-sets usage to None.                             |
| 0x0200             | lduResetLastUsedDate | See also the LastUsedDate property.                |

For example, to allow the current library document to be accessed by the RightFax Docs-on-Demand module, enter:

```
objLibraryDocument.AdjustUsage lduFOD
```

To reset the last used date property, you must combine the reset with the usage type. For example, to change the last used date (and make it appear that the document has not been used on the LAN), enter:

```
objLibraryDocument.AdjustUsage lduLAN Or
lduResetLastUsedDate
```

### Delete

Removes the object from the server.

### ReadFromXML

Reads XML data from an XML file.

### Save

Writes the object to the server.

### SaveToXML

Saves the library document to an XML file.

## LibraryDocument properties

### Description

Data type: String

Read/Write

Returns a brief description of the library document.

### EmbargoDate

Data type: Date

Read/Write

Specifies the earliest date a document can be used. For example, a price list document can be embargoed until the first of the following month. After that date, the library document can be sent. For an embargo date to be effective, the IsEmbargoed property must be set to True or 1. To specify the last date a document can be sent, see ExpireDate.

### ExpireDate

Data type: Date

Read/Write

Specifies the last date a document can be used. For example, sale prices are only valid for a short time. After the specified date, the library document containing the sale prices is no longer be available. For an expiration date to be effective, the WillExpire property must be set to True or 1. To specify the first date a document can be sent, see EmbargoDate.

### FODPassword

Data type: String

Read/Write

Specifies the password that must be entered before the form can be sent using the RightFax Docs-on-Demand module.

### Handle

Data type: Long

Read-only

Returns the code used internally by the RightFax system to identify each unique object.

### **ID**

Data type: String

Read/Write

Specifies an ID you can assign to identify each unique object. If you specify a value without specifying a property name, the system assigns that value as the object ID.

### **Image**

Data type: String

Read-only

Retrieves a copy image associated with the library document.

### **IsALibraryDocument**

Data type: Boolean

Read/Write

This property has been replaced by new functionality, but remains available for backward compatibility. All LibraryDocument objects have a value of True or 1 in this property.

### **IsAutomaticallyGeneratedCatalog**

Data type: Boolean

Read/Write

Indicates whether the library document is a catalog or listing of other library documents. This type of catalog is part of the RightFax Docs-on-Demand module. True or 1 indicates the library document is a catalog; False or 0 indicates it is not.

### **IsEmbargoed**

Data type: Boolean

Read/Write

Indicates whether the library document has a start date. See also the EmbargoDate property.

### **IsIncludedInFODCatalog**

Data type: Boolean

Read/Write

Indicates whether the library document is included in the catalog created by the RightFax Docs-on-Demand module. True or 1 indicates the document is included; False or 0 indicates that it is not. The catalog created by the Docs-on-Demand module is also a library object, indicated by the property IsAutomaticallyGeneratedCatalog being set to True.

### **IsInFineMode**

Data type: Boolean

Read/Write

Indicates whether the resolution of the library document is Fine. True or 1 indicates that the fax resolution is Fine (200×200 dots per inch); False or 0 indicates that it is normal (100×100 dots per inch). See also the IsFineMode property for the body of the fax or IsCoversheetFine for the cover sheet mode.

### **IsInNormalMode**

Data type: Boolean

Read/Write

Indicates whether the resolution of the library document is fine. True or 1 indicates that the fax is normal (100×100 dots per inch); False or 0 indicates that it is fine (200×200 dots per inch). See also the IsFineMode property for the body of the fax or IsCoversheetFine for the cover sheet mode.

### **IsPublishedForFOD**

Data type: Boolean

Read/Write

Indicates whether the library document is available for use with the RightFax Docs-on-Demand module. True or 1 indicates that the library document is available; False or 0 indicates that it is not. If True, see also the TimesUsedOnFOD property.

### **IsPublishedForLAN**

Data type: Boolean

Read/Write

Indicates whether the library document is available to users of the local area network. True or 1 indicates that the library document is available; False or 0 indicates that it is not. If True, see also the TimesUsedOnLAN property.

### **IsPublishedForWeb**

Data type: Boolean

Read/Write

Indicates whether the library document is available for use on the Web through the RightFax WebTools. True or 1 indicates that the library document is available; False or 0 indicates that it is not. If True, see also the TimesUsedOnWeb property.

### **LastUsedDate**

Data type: Date

Read/Write

Returns the most recent date that this library document was used. The last used date can be re-set using the AdjustUsage method.

### **PageCount**

Data type: Integer

Read/Write

Returns the total number of pages in the library document.

### **ServerFileName**

Data type: String

Read/Write

Returns the name of the library document image file as it exists on the server. Note that this property returns only the file name, not the document itself.

### **TimesUsedOnFOD**

Data type: Long

Read/Write

Returns the number of times the library document has been used by the RightFax Docs-on-Demand module. See the IsPublishedForFOD property to determine whether the library document is available for use with that module.

### **TimesUsedOnLAN**

Data type: Long

Read/Write

Returns the number of times the library document has been used on the local area network. See the IsPublishedForLAN property to determine whether the library document is available for the LAN.

### **TimesUsedOnWeb**

Data type: Long

Read/Write

Returns the number of times the library document has been used by RightFax WebTools. See the IsPublishedForWeb property to determine whether the library document is available for use on the Web.

### **WillExpire**

Data type: Boolean

Read/Write

Indicates whether the library document has an expiration date. See also the ExpireDate property.

**Example** The following code sends a library document as part of the outgoing fax:

```
If 1stLibDocs.Text = "" Then
oFax.Send
Else
libdoc = 1stLibDocs.Text
oFax.Attachment.Add
MyFaxServer.LibraryDocuments(libdoc)
oFax.Send
End If
```

## LibraryDocuments Collection

A LibraryDocuments Collection is a set of one or more LibraryDocument objects.

### LibraryDocuments Collection methods

#### Add

Adds an object to the collection.

#### Refresh

Re-loads the list of library document objects from the fax server.

#### Remove

Removes a specified object from the collection but not from the server. To remove an object from the server, use the Delete method in the object you want to delete.

#### RemoveAll

Removes all objects from the collection but not from the server. To remove an object from the server, use the Delete method in the object you want to delete.

#### SaveToXML

Saves the library document collection to an XML file.

## LibraryDocuments Collection properties

#### Count

Data type: Long

Read-only

Returns the number of objects in the collection.

#### Create

Data type: LibraryDocument

Read-only

Returns a new LibraryDocument object. The user must be able to create new library documents by having the `IsAbleToCreateNewLibraryDocuments` property set to True in the user object.

#### Item

Data type: LibraryDocument

Read-only

Returns the library document object with the specified item number. Each object in the collection is numbered, starting with 1. See also the [Num](#) property.

## Chapter 5: Users, groups, and folders

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Create a User object for each person who uses the RightFax system. Users can be organized into Groups, simplifying tasks like defining maintenance defaults. Each user can sort their faxes by creating folders.

**Note** All examples were created and verified using Microsoft Visual Basic 6.0. If you are using a different development environment, some of the examples in this section may not work as expected.

### Delegate

A delegate is a person who has access to another person's (the delegator's) user information. A Delegate object contains one User object. To grant access to multiple users, create a Delegate object for each user and create a Delegates collection object. The User object receiving permission lists this Delegates collection in the AccessibleByTheseUsers property.

### Delegate methods

#### Delete

Removes the object from the server.

#### ReadFromXML

Reads XML data from an XML file.

#### Save

Writes the object to the server.

#### SaveToXML

Saves XML data to an XML file.

### Delegate properties

#### DeletePermissionCanDeleteFaxes

Data type: Boolean

Read/write

Specifies if the delegate is authorized to delete faxes.

#### DeletePermissionCanDeleteFolders

Data type: Boolean

Read/write

Specifies if the delegate is authorized to delete folders.

#### DeletePermissionCanDeletePhoneItems

Data type: Boolean

Read/write

Specifies if the delegate is authorized to delete phonebook entries.

#### Handle

Data type: Long

Read-only

Returns the code used internally by the RightFax system to identify each unique object.

### **MiscPermissionCanApproveFaxes**

Data type: Boolean

Read/write

Specifies if the delegate is authorized to approve faxes on behalf of the delegator.

### **MiscPermissionCanModifyDelegates**

Data type: Boolean

Read/write

Specifies if the delegate is authorized to make, add, or remove users from the delegator's list of delegates, and to edit the access rights granted to each delegate.

### **MiscPermissionCanModifyUserOptions**

Data type: Boolean

Read/write

Specifies if the delegate is authorized to make, add, or remove user options.

### **MiscPermissionCanToggleRefuseFaxDistribution**

Data type: Boolean

Read/write

Specifies if the delegate is authorized to change the Refuse Fax Distribution option.

### **MiscPermissionFaxRequiresApproval**

Data type: Boolean

Read/write

Specifies if faxes created by the delegate in the delegator's mailbox require approval. Approval can only be granted by the delegator, another

delegate with permission to approve faxes, or an administrator. True or 1 indicates that the faxes require approval; False or 0 indicates that faxes are sent without approval.

### **ReadPermissionCanBrowseAllFolders**

Data type: Boolean

Read/write

Specifies if the delegate is authorized to view folders other than the Inbox.

### **ReadPermissionCanExportImages**

Data type: Boolean

Read/write

Specifies if the delegate is authorized to save a copy of the fax image from the RightFax fax viewer.

### **ReadPermissionCanMailImages**

Data type: Boolean

Read/write

Specifies if the delegate is authorized to send a copy of the fax image to an email address from the RightFax fax viewer.

### **ReadPermissionCanPrintFaxes**

Data type: Boolean

Read/write

Specifies if the delegate is authorized to print faxes.

### **ReadPermissionCanUsePhoneEntries**

Data type: Boolean

Read/write

Specifies if the delegate is authorized to use the delegator's phonebook entries.

### **ReadPermissionCanViewFax**

Data type: Boolean

Read/write

Specifies if the delegate is authorized to view faxes (including the cover page, all body pages, and attachments).

### **ReadPermissionCanViewFirstPage**

Data type: Boolean

Read/write

Specifies if the delegate is authorized to view the first page of faxes. When this property is set to True or 1, and the ReadPermissionCanViewFax permission is set to False or 0, the delegate is able to read only the first page of faxes.

### **ReadPermissionCanViewHistory**

Data type: Boolean

Read/write

Specifies if the delegate is authorized to view fax histories.

### **ReadPermissionCanUsePhoneEntries**

Data type: Boolean

Read/write

Specifies if the delegate has access to all the delegator's phonebook entries. True or 1 indicates that the delegate can use all phonebook entries; False or 0 indicates that the delegate can only access the delegator's shared phonebook entries.

### **User**

Data type: User

Read/write

Specifies the user receiving access. You can only enter one User object.

### **WritePermissionCanAnnotateFaxes**

Data type: Boolean

Read/write

Specifies if the delegate is authorized to annotate faxes.

### **WritePermissionCanCreateFaxes**

Data type: Boolean

Read/write

Specifies if the delegate is authorized to create and send new faxes from the delegator's mailbox.

### **WritePermissionCanCreateFolders**

Data type: Boolean

Read/write

Specifies if the delegate is authorized to create new folders.

### **WritePermissionCanCreatePhoneItems**

Data type: Boolean

Read/write

Specifies if the delegate is authorized to add new entries to the delegator's RightFax fax phonebook.

### **WritePermissionCanEditFaxes**

Data type: Boolean

Read/write

Specifies if the delegate is authorized to edit a fax's addressing information after it has been initially sent.

### **WritePermissionCanEditPhoneItems**

Data type: Boolean

Read/write



This Boolean property specifies if the delegate is authorized to edit existing entries in the delegator's RightFax fax phonebook.

#### **WritePermissionCanForwardFaxes**

Data type: Boolean

Read/write

Specifies if the delegate is authorized to forward faxes.

#### **WritePermissionCanForwardRouteFaxes (deprecated 16 EP2)**

Data type: Boolean

Read/write

Specifies if the delegate is authorized to forward or route faxes.

#### **WritePermissionCanMoveFaxes**

Data type: Boolean

Read/write

Specifies if the delegate is authorized to move faxes between folders in the delegator's mailbox.

#### **WritePermissionCanOCRFaxes**

Data type: Boolean

Read/write

Specifies if the delegate is authorized to use the RightFax OCR Converter software to create text documents from the delegator's fax images.

#### **WritePermissionCanRenameFolders**

Data type: Boolean

Read/write

Specifies if the delegate is authorized to rename folders in the delegator's mailbox.

#### **WritePermissionCanRouteFaxes**

Data type: Boolean

Read/write

Specifies if the delegate is authorized to route faxes.

#### **WritePermissionCanUpdateFaxStatus**

Data type: Boolean

Read/write

Specifies if the delegate is authorized to update the fax status (retry sending the fax after transmission errors are encountered).

## **Delegates Collection**

A Delegates Collection is a set of one or more Delegate objects. To assign a Delegates collection to a User object, use the AccessibleByTheseUsers property in the User object with access.

## **Delegates Collection methods**

### **Add**

Adds an object to the collection

### **Refresh**

Re-loads the list of objects from the fax server.

### **Remove**

Removes a specified object from the collection but not from the server. To remove an object from the server, use the Delete method in the object you want to delete.

### **RemoveAll**

Removes all objects from the collection but not from the server. To remove an object from the server, use the Delete method in the object you want to delete.

### **SaveToXML**

Saves XML data to an XML file.

## Delegates Collection properties

### Count

Data type: Long

Read-only

Returns the number of objects in the collection.

### Create

Data type: Delegate

Read-only

Returns a new object.

### Item

Data type: Delegate

Read-only

Returns the form object with the specified item number. Each object in the collection is numbered, starting with 1.

## Folder

A Folder is an organizational tool that helps each user sort and categorize faxes. For example, a user can set up an Incoming and an Outgoing folder, or one folder for each of several projects. The Folder object contains the information that identifies the faxes that the user assigns to the folder.

## Folder methods

### Delete

Removes the object from the server.

## Folder properties

### ByteID

Data type: Integer

Read-only

Returns the unique identifier of the folder used for database storage.

### Faxes

Data type: Faxes Collection

Read-only

Returns the Faxes collection associated with this folder. See the Folders Collection.

### ID

Data type: String

Read/Write

Specifies a description of the folder. You must specify a folder ID to identify the folder later.

### User

Data type: [User](#)

Read-only

Returns the User object associated with this folder.

## Folders Collection

A Folders Collection is a set of one or more Folder objects.

## Folders Collection methods

### Add

Adds an object to the collection

### Refresh

Re-loads the list of objects from the fax server.

### Remove

Removes a specified object from the collection but not from the server.

To remove an object from the server, use the Delete method in the object you want to delete.

### **RemoveAll**

Removes all objects from the collection but not from the server. To remove an object from the server, use the Delete method in the object you want to delete.

## **Folders Collection properties**

### **Count**

Data type: Long

Read-only

Returns the number of objects in the collection.

### **Create**

Data type: Folder

Read-only

Returns a new object.

### **Item**

Data type: Folder

Read-only

Returns the folder object with the specified item number. Each object in the collection is numbered, starting with 1.

## **Group**

A group object contains administrative information that is applied to all of the users in the group. After a group is created, you can assign any Users collection to the group.

## **Group methods**

### **Delete**

Removes the group object from the server. You can only delete groups that do not have any members.

### **ReadFromXML**

Reads XML data from an XML file.

### **Save**

Writes the object to the server.

### **SaveToXML**

Saves XML data to an XML file.

## **Group properties**

### **AdministratorUserHandle**

Data type: User

Read/Write

Specifies the User object of a user who is a group monitor for this group. Up to 10 group monitors can be defined.

### **AlternateAdministrator**

Data type: User

Read/Write

Specifies the User object of the user who is the alternate administrator for this group. See also PrimaryAdministrator.

### **AlternateAdministratorID**

Data type: String

Read/Write

Specifies the ID of the user who is the alternate administrator for this group. See also PrimaryAdministratorID.

### **ChangeTag**

Data type: Long

#### Read-only

Returns a number that is incremented each time the object is updated. You can check this number to determine whether the group has been updated without getting the entire Group object.

#### **ConcurrentDelayTime**

Data type: Integer

Read/Write

Specifies the start time (in HHMM format) that the RightFax system sends delayed faxes. This parameter is only effective if forced scheduling is enabled. Use the `IsForcedSchedulingEnabled` property to enable or disable forced scheduling. For example, if you set a limit of 50 faxes that a group can send between 8 A.M. and 5 P.M., any faxes over that limit are sent beginning at 10 P.M. The delay time is entered as 2000. See also the `MaxConcurrentFaxes` and `MaxConcurrentPages` properties.

#### **ConcurrentEndTime**

Data type: Integer

Read/Write

Specifies the end time (in HHMM format) that concurrent faxes are limited by forced scheduling. Any faxes in the queue but not yet sent at the specified time are sent after the specified `ConcurrentDelayTime`. Use the `IsForcedSchedulingEnabled` property to enable or disable forced scheduling. For example, if there is a limit of 50 faxes that a group can send between 8 A.M. and 5 P.M., enter the end time of 1700.

#### **ConcurrentStartTime**

Data type: Integer

Read/Write

Specifies the start time (in HHMM format) that concurrent faxes are limited by forced scheduling. Use the `IsForcedSchedulingEnabled` property to enable or disable forced scheduling. For example, if there is

a limit of 50 faxes that a group can send between 8 A.M. and 5 P.M., enter the start time of 0800.

#### **CoverSheet**

Data type: String

Read/Write

The name of the default cover sheet. This can be changed by each user with the `CoverSheetModelID` property or for each fax with the `FCSFilename` property.

#### **FaxAgeCertifyDelivery**

Data type: Integer

Read/Write

Specifies the number days a fax sent via certified delivery remains on the system before being permanently removed. To leave certified delivery faxes on the system indefinitely, set this property to 0.

#### **FaxAgeDeleted**

Data type: Integer

Read/Write

Specifies the number days a fax marked for deletion remains on the system before being permanently removed. To leave deleted faxes on the system indefinitely, set this property to 0. The default is 30 days. See also `ExcludedFromFaxAging` in the User object.

#### **FaxAgeFailed**

Data type: Integer

Read/Write

Specifies the number of days a failed fax remains on the system before being deleted. To leave failed faxes on the system indefinitely, set this property to 0. See also `ExcludedFromFaxAging` in the User object.

#### **FaxAgeIncomplete**

Data type: Integer

#### Read/Write

Specifies the number of days an incomplete fax remains on the system before being deleted. To leave incomplete faxes on the system indefinitely, set this property to 0. See also ExcludedFromFaxAging in the User object.

#### **FaxAgeNew**

Data type: Integer

Read/Write

Specifies the number of days a new fax remains on the system before being deleted. To leave new faxes on the system indefinitely, set this property to 0. See also ExcludedFromFaxAging in the User object.

#### **FaxAgeReceived**

Data type: Integer

Read/Write

Specifies the number of days a received fax remains on the system before being deleted. To leave received faxes on the system indefinitely, set this property to 0. See also ExcludedFromFaxAging in the User object.

#### **FaxAgeSent**

Data type: Integer

Read/Write

Specifies the number of days a sent fax remains on the system before being deleted. To leave sent faxes on the system indefinitely, set this property to 0. See also ExcludedFromFaxAging in the User object.

#### **FaxAgeSubFolders**

Data type: Boolean

Read/Write

Determines whether fax aging is performed on all user's folders. True or 1 indicates that all users' subfolders are aged; False or 0 indicates that only the Main and Trash folders are aged.

#### **GroupRoutingCode**

Data type: Long

Read/Write

Specifies the default routing code for the group if RightFax SmartFax Distribution is enabled. Set this property to -1 to disable SmartFax Distribution.

#### **GroupSFDEnabled**

Data type: Boolean

Read/Write

Indicates whether RightFax SmartFax Distribution is enabled. True or 1 indicates that it is enabled; False or 0 indicates that it is not.

#### **GroupSFDLoginRequired**

Data type: Boolean

Read/Write

Indicates whether the user is required to enter a password to use the RightFax Smart Fax Distribution feature. True or 1 indicates that a password is required; False or 0 indicates that it is not required. See also the GroupSFDType and GroupSFDEnabled properties.

#### **GroupSFDType**

Data type: GroupFDSType enumerated value

Read/Write

Specifies how faxes will be distributed if the RightFax Smart Fax Distribution feature is enabled. Specify one of the valid GroupSFDType values.

| Numeric equivalent | Name         | Notes                                                                    |
|--------------------|--------------|--------------------------------------------------------------------------|
| 0                  | gsfdLinear   | Distributes to the users in order regardless of number of faxes.         |
| 1                  | gsfdBalanced | Distributes first to the user who has the fewest faxes in the fax inbox. |

**Handle**

Data type: Long

Read-only

Returns the code used internally by the RightFax system to identify each unique object.

**HideUIControlAddPhoneBookEntryButton**

Data type: Boolean

Read/Write

Indicates whether to show the **Add Entry** button on the **Fax Information** dialog box when the members of this group create new faxes.

**HideUIControlAlternateFaxNumber**

Data type: Boolean

Read/Write

Indicates whether to show the **Alt Fax Number** box on the **Fax Information** dialog box when the members of this group create new faxes.

**HideUIControlAutoDeleteSetting**

Data type: Boolean

Read/Write

Indicates whether to show the **Automatic Deletion** box on the **Fax Information** dialog box when the members of this group create new faxes.

**HideUIControlBillInfo1**

Data type: Boolean

Read/Write

Indicates whether to show the first billing code box on the **Fax Information** dialog box when the members of this group create new faxes.

**HideUIControlBillInfo2**

Data type: Boolean

Read/Write

Indicates whether to show the second billing code box on the **Fax Information** dialog box when the members of this group create new faxes.

**HideUIControlBillInfoLookup**

Data type: Boolean

Read/Write

Indicates whether to show the Billing Code **Lookup** button on the **Fax Information** dialog box when the members of this group create new faxes.

**HideUIControlBodyAttachments**

Data type: Boolean

Read/Write

Indicates whether to show the **Alternate Body Attachment** checkbox on the **Fax Information** dialog box when the members of this group create new faxes.

**HideUIControlCallBack**

Data type: Boolean

Read/Write

Indicates whether to show the **CallBack** checkbox on the **Fax Information** dialog box when the members of this group create new faxes.

#### **HideUIControlCertified**

Data type: Boolean

Read/Write

Indicates whether to show the **Certified Delivery** checkbox on the **Fax Information** dialog box when the members of this group create new faxes.

#### **HideUIControlCity**

Data type: Boolean

Read/Write

Indicates whether to show the **To City/State** checkbox on the **Fax Information** dialog box when the members of this group create new faxes.

#### **HideUIControlComments**

Data type: Boolean

Read/Write

Indicates whether to show the **Comments** box on the **Fax Information** dialog box when the members of this group create new faxes.

#### **HideUIControlCompany**

Data type: Boolean

Read/Write

Indicates whether to show the **To Company** box on the **Fax Information** dialog box when the members of this group create new faxes.

#### **HideUIControlCoverSheetSelect**

Data type: Boolean

Read/Write

Indicates whether to show the **Cover Sheet File** box on the **Fax Information** dialog box when the members of this group create new faxes.

#### **HideUIControlCoverSheetToggle**

Data type: Boolean

Read/Write

Indicates whether to show the **Use cover sheet** checkbox on the **Fax Information** dialog box when the members of this group create new faxes.

#### **HideUIControlDelaySend**

Data type: Boolean

Read/Write

Indicates whether to show the **Delay send** checkbox on the **Fax Information** dialog box when the members of this group create new faxes.

#### **HideUIControlFileAttach**

Data type: Boolean

Read/Write

Indicates whether to show the **Attach File** options on the **Fax Information** dialog box when the members of this group create new faxes.

#### **HideUIControlFormType**

Data type: Boolean

Read/Write

Indicates whether to show the **Use form** boxes on the **Fax Information** dialog box when the members of this group create new faxes.

### HideUIControlFromName

Data type: Boolean

Read/Write

Indicates whether to show the **From Name** box on the **Fax Information** dialog box when the members of this group create new faxes.

### HideUIControlFromPhoneNumber

Data type: Boolean

Read/Write

Indicates whether to Show the **From Voice Number** box on the **Fax Information** dialog box when the members of this group create new faxes.

### HideUIControlGeneralFax

Data type: Boolean

Read/Write

Indicates whether to show the **From Company fax number** box on the **Fax Information** dialog box when the members of this group create new faxes.

### HideUIControlGeneralVoice

Data type: Boolean

Read/Write

Indicates whether to show the **From Company voice number** box on the **Fax Information** dialog box when the members of this group create new faxes.

### HideUIControlLibraryDocumentSelect

Data type: Boolean

Read/Write

Indicates whether to show the list of available library document attachments on the **Fax Information** dialog box when the members of this group create new faxes.

### HideUIControlMoreButton

Data type: Boolean

Read/Write

Indicates whether to show the **More Options** tab on the **Fax Information** dialog box when the members of this group create new faxes.

### HideUIControlNativeDocumentAttachments

Data type: Boolean

Read/Write

Indicates whether to show the **Native Document Attachment** checkbox on the **Fax Information** dialog box when the members of this group create new faxes.

### HideUIControlNotes

Data type: Boolean

Read/Write

Indicates whether to show the **Notes** box on the **Fax Information** dialog box when the members of this group create new faxes.

### HideUIControlNotesButton

Data type: Boolean

Read/Write

Indicates whether to show the **Cover Sheet Notes** tab on the **Fax Information** dialog box when the members of this group create new faxes.

### HideUIControlPDFOptions

Data type: Boolean



#### Read/Write

Indicates whether to show the **PDF Options** button on the **Fax Information** dialog box when the members of this group create new faxes.

#### HideUIControlPhoneBookButton

Data type: Boolean

Read/Write

Indicates whether to show the **Phonebook** button on the **Fax Information** dialog box when the members of this group create new faxes.

#### HideUIControlPreview

Data type: Boolean

Read/Write

Indicates whether to show the **Hold for preview** checkbox on the **Fax Information** dialog box when the members of this group create new faxes.

#### HideUIControlPriority

Data type: Boolean

Read/Write

Indicates whether to show the **Priority** box on the **Fax Information** dialog box when the members of this group create new faxes.

#### HideUIControlPrivateFax

Data type: Boolean

Read/Write

Indicates whether to show the **From Fax number** box on the **Fax Information** dialog box when the members of this group create new faxes.

#### HideUIControlRecipientType

Data type: Boolean

Read/Write

Indicates whether to show the recipient type (fax or email) selection button on the **Fax Information** dialog box when the members of this group create new faxes.

#### HideUIControlScanAttach

Data type: Boolean

Read/Write

Indicates whether to show the **Scan Attachments** button on the **Fax Information** dialog box when the members of this group create new faxes.

#### HideUIControlSecureSend

Data type: Boolean

Read/Write

Indicates whether to show the **Recipient Fax ID** box on the **Fax Information** dialog box when the members of this group create new faxes.

#### HideUIControlSmartResume

Data type: Boolean

Read/Write

Indicates whether to show the **Use smart resume** checkbox on the **Fax Information** dialog box when the members of this group create new faxes.

#### HideUIControlTransmitQuality

Data type: Boolean

Read/Write

Indicates whether to show the **Fine mode** checkbox on the **Fax Information** dialog box when the members of this group create new faxes.

### HideUIControlUsePDF

Data type: Boolean

Read/Write

Indicates whether to show the **Create PDF image** checkbox on the **Fax Information** dialog box when the members of this group create new faxes.

### HideUIControlVoiceNumber

Data type: Boolean

Read/Write

Indicates whether to show the **To Voice number** box on the **Fax Information** dialog box when the members of this group create new faxes.

### ID

Data type: String

Read/Write

Specifies an ID you can assign to identify each unique object. If you specify a value without specifying a property name, the system assigns that value as the object ID.

### IncludeFaxInNotifications

Data type: Boolean

Read/Write

Specifies if email notifications of successfully sent faxes include the fax. True or 1 indicates the fax will be included. False or 0 indicates that it will not be included.

### IsForcedSchedulingEnabled

Data type: Boolean

Read/Write

Specifies whether forced scheduling is enabled. With this feature you can automatically hold all outgoing faxes in a queue for a specified transmission time, such as late night when traffic might be less. Use the ConcurrentStartTime property to specify when the faxes begin transmitting; use the ConcurrentEndTime property to specify when forced scheduling ends.

### MaxConcurrentFaxes

Data type: Integer

Read/Write

If forced scheduling is enabled, this specifies the maximum number of faxes that can be scheduled by the users in this group for transmission between the specified start and end times. Use the IsForcedSchedulingEnabled property to enable or disable forced scheduling. Use the ConcurrentStartTime property to specify when the faxes begin transmitting; use the ConcurrentEndTime property to specify when forced scheduling should end.

### MaxConcurrentPages

Data type: Integer

Read/Write

If forced scheduling is enabled, this specifies the maximum number of pages that can be scheduled by the users in this group for transmission between the specified start and end times. Use the IsForcedSchedulingEnabled property to enable or disable forced scheduling. Use the ConcurrentStartTime property to specify when the faxes begin transmitting; use the ConcurrentEndTime property to specify when forced scheduling should end.

### MustHaveCoversheet

Data type: Boolean

Read/Write

Specifies whether the users in this group are required to use a cover sheet when sending a fax. True or 1 indicates that users must have a

cover sheet; False or 0 indicates they do not need one. If the users are not required to have a cover sheet with every fax, users can specify their own default with the `IsCoverPageDefaultedOn` property, or can specify whether each fax has a cover page with the `HasCoversheet` property.

### MustHoldForPreview

Data type: Boolean

Read/Write

This Boolean property specifies whether all faxes sent by the users in this group are held for preview.

### NeedsApprovalNotify

Data type: Boolean

Read/Write

Specifies whether the group monitor and alternate group monitors are notified about faxes needing approval. True or 1 indicates they will be notified. False or 0 indicates they will not be notified.

### NotifyType

Data type: NotifyType enumerated value

Read/Write

Specifies the default method when a user in the group gets notification of a received fax. This can be changed by each user with the `NotifyType` property in the User object.

**Note** To use custom notifications, Network Messaging must be turned off in the Services list on all WorkServers.

| Numeric equivalent | Name              |
|--------------------|-------------------|
| 0                  | nNetworkBroadcast |
| 1                  | nCustom1          |

| Numeric equivalent | Name      |
|--------------------|-----------|
| 2                  | nCustom2  |
| 3                  | nCustom3  |
| 4                  | nCustom4  |
| 5                  | nCustom5  |
| 6                  | nCustom6  |
| 7                  | nCustom7  |
| 8                  | nCustom8  |
| 9                  | nCustom9  |
| 10                 | nCCMail   |
| 11                 | nMSMail   |
| 13                 | nTRS      |
| 14                 | nCX3      |
| 15                 | nPager    |
| 16                 | nNotes    |
| 17                 | nExchange |
| 18                 | nSMTP     |

### NumberOfMembers

Data type: Long

Read-only

Specifies the number of members in the group. See Users to specify the User collection.

### PrimaryAdministrator

Data type: User

Read/Write

Specifies the User object of the user who is the primary administrator for this group. See also `AlternateAdministrator`.

### **PrimaryAdministratorID**

Data type: String

Read/Write

Specifies the ID of the user who is the primary administrator for this group. See also `AlternateAdministratorID`.

### **ProhibitChangeDelegates**

Data type: Boolean

Read/Write

Specifies whether group members can edit delegates. True or 1 indicates that the group can view, but not edit delegates. False or 0 indicates that group members can edit delegates.

### **Users**

Data type: Users Collection

Read-only

Specifies the Users Collection that contains the users who are in this group.

**Example** The following code creates a group called “support” and automatically deletes sent and received faxes for the group after 90 days.

```
Set obGroup = MyFaxServer.CreateObject(coGroup)
 obGroup.ID = “support”
 obGroup.FaxAgeReceived = 90
 obGroup.FaxAgeSent = 90
```

## **Groups Collection**

A Groups collection is a set of one or more Group objects.

## **Groups collection methods**

### **Add**

Adds an object to the collection

### **Refresh**

Re-loads the list of group objects from the fax server.

### **Remove**

Removes a specified object from the collection but not from the server. To remove an object from the server, use the Delete method in the object you want to delete.

### **RemoveAll**

Removes all objects from the collection but not from the server. To remove an object from the server, use the Delete method in the object you want to delete.

### **SaveToXML**

Saves XML data to an XML file.

## **Groups collection properties**

### **Count**

Data type: Long

Read-only

Returns the number of objects in the collection.

### **Create**

Data type: Group

Read-only

Returns a new object.

### **Item**

Data type: Group

#### Read-only

Returns the object with the specified item number. Each object in the collection is numbered, starting with 1.

## Signature

A signature is stored as an encrypted image file on the fax server. The Signature object contains the name of the file and a set of up to three users who are authorized to use the signature.

### Signature methods

#### Delete

Removes the object from the server.

#### ReadFromXML

Reads XML data from an XML file.

#### Refresh

Re-loads the list of signature objects from the fax server.

#### Save

Writes the object to the server.

#### SaveToXML

Saves XML data to an XML file.

### Signature properties

#### Description

Data type: String

Read/Write

Specifies the description of the signature object.

#### FileName

Data type: String

#### Read/Write

Specifies the name of the signature image file.

#### Handle

Data type: Long

Read-only

Returns the code used internally by the RightFax system to identify each unique object.

#### ID

Data type: String

Read/Write

Specifies an ID you can assign to identify each unique object. If you specify a value without specifying a property name, the system assigns that value as the object ID.

#### Owner

Data type: User

Read/Write

Specifies the user who is the owner of the signature.

#### Users

Data type: Users Collection

Read/Write

Specifies the Users Collection that identifies the users who are authorized to use the Signature object. There can be up to three users in the collection.

## Signatures Collection

A Signatures Collection is a set of one or more Signature objects.

## Signatures collection methods

### Add

Adds an object to the collection

### Refresh

Re-loads the list of signature objects from the fax server.

### Remove

Removes a specified object from the collection but not from the server. To remove an object from the server, use the Delete method in the object you want to delete.

### RemoveAll

Removes all objects from the collection but not from the server. To remove an object from the server, use the Delete method in the object you want to delete.

### SaveToXML

Saves XML data to an XML file.

## Signatures collection properties

### Count

Data type: Long

Read-only

Returns the number of objects in the collection.

### Create

Data type: Signature

Read-only

Returns a new object.

### Item

Data type: Signature

Read-only

Returns the object with the specified item number. Each object in the collection is numbered, starting with 1.

## User

A user object contains all the information about a specific person who has access to the RightFax system. This includes authorizations for RightFax modules and defaults for user preferences that can be changed for each fax.

## User methods

### ChangePassword

Changes the password for this user by specifying a new password. Only this user or the administrator can change the password.

### Delete

Removes the object from the server.

### GetReceiveNotification

Gets the receive notification attributes, including IncludeThumbnail (0=FirstPage, 1=AllPages) and ThumbnailType (0=Tif, 1=PDF).

### GetSendNotification

Gets the send notification attributes, including IncludeThumbnail (0=FirstPage, 1=AllPages) and ThumbnailType (0=Tif, 1=PDF).

### ReadFromXML

Reads XML data from an XML file.

### Refresh

Re-loads the list of user objects from the fax server.

### Save

Writes the object to the server.

**SaveToXML**

Saves XML data to an XML file.

**Example** The following example lists all users in a list box called `IstRFUser`.

For Each User In MyFaxServer.Users

`IstRFUser.AddItem User.ID`

Next

**SetReceiveNotification**

Sets the receive notification attributes, including `IncludeThumbnail` (0=FirstPage, 1=AllPages) and `ThumbnailType` (0=Tif, 1=PDF).

**SetSendNotification**

Sets the send notification attributes, including `IncludeThumbnail` (0=FirstPage, 1=AllPages) and `ThumbnailType` (0=Tif, 1=PDF).

**User properties****AccessibleByTheseUsers**

Data type: Delegates Collection

Read-only

Specifies a Delegates Collection that has access to this User object, including associated faxes and attachments.

**AdministrativeAccess**

Data type: AdministrativeRole enumerated values.

Specifies whether the user has Administrative Access (0=no access, 1=access), and whether the this access is read-only (3) or restricted to user management (4).

| Numeric equivalent | Name                    |
|--------------------|-------------------------|
| 0                  | AdminRole_NoAdminAccess |
| 1                  | AdminRole_Admin         |
| 3                  | AdminRole_Admin_RO      |
| 4                  | AdminRole_Admin_UM      |

**AlternateNotifyUser**

Data type: User

Read/Write

Specifies a string value for the user ID of the user object to whom notifications are sent if the current user has the alternate notification feature turned on.

**AlternateNotifyUserID**

Data type: String

Read/Write

Specifies the User object to whom notifications are sent if the current user has the alternate notification feature turned on. See also the `IsAlternateNotificationEnabled` property.

**AreReceivedFaxesStamped**

Data type: Boolean

Read/Write

Indicates whether incoming faxes are marked with the time and date that the fax was received. True or 1 indicates the incoming faxes are stamped; False or 0 indicates they are not.

**AssociatedNTAccount**

Data type: String

Read/Write

Specifies a string value the Windows NT domain and account associated with the user in the format Domain/Account. See also IsNTAuthenticationRequired.

### AssociatedNTAccountSID

Data type: Variant

Read/Write

The user's Windows NT SID in binary form. See also IsNTAuthenticationRequired.

### AutoDelete

Data type: Integer

Read/Write

Specifies when to delete fax images from the user's fax mailbox:

- 0 = Never delete
- 1 = Delete only after the fax is successfully sent
- 2 = Always delete

### AutoFaxListUpdate

Data type: Boolean

Read/Write

Automatically update the fax list?

### AutoforwardFaxNumber

Data type: String

Read/Write

Specifies the fax number to which incoming faxes will be forwarded. The IsAutoforwardEnabled property must be set to True or 1 and the AutoForwardType to afFaxNumber or 0 for the fax to be forwarded to this number.

### AutoForwardType

Data type: AutoForwardType enumerated value

Read/Write

Specifies how incoming faxes are forwarded. The IsAutoforwardEnabled property must be set to True or 1 for automatic forwarding to take place. This property requires one of the following enumerated values.

| Numeric equivalent | Name        | Notes                       |
|--------------------|-------------|-----------------------------|
| 0                  | afFaxNumber | See also AutoFaxListUpdate. |
| 1                  | afUser      | None                        |

### AutoOCRExtension

Data type: String

Read/Write

Specifies the three-letter extension that will be appended to the file name when an incoming fax is processed with optical character recognition algorithms. For example, the extension might be .doc or .txt. IsAutoOCREnabled must be set to True or 1 for this to take effect.

### AutoOCRFormat

Data type: OCRFormatType enumerated value

Read/Write

Specifies the default output format for the resulting file when an incoming fax is processed with optical character recognition algorithms. You must specify one of the valid format types. The user can change this for a specific fax with the OCR method of the CoverSheetsCollection. IsAutoOCREnabled must be set to True or 1 for this to take effect.

| Numeric equivalent | Name         |
|--------------------|--------------|
| 0                  | ofSmartASCII |



| Numeric equivalent | Name    |
|--------------------|---------|
| 1                  | ofASCII |
| 3                  | ofRTF   |

**AutoOCRLLayout**

Data type: OCRLLayoutType enumerated value

Read/Write

Specifies the output layout for the resulting file when an incoming fax is processed with optical character recognition algorithms. Specify one of the valid layout types. The user can override this for a specific fax with the OCR method of the CoverSheets Collection. IsAutoOCREnabled must be set to True or 1 for this to take effect.

| Numeric equivalent | Name           |
|--------------------|----------------|
| 0                  | oIWYSIWYG      |
| 1                  | oLeftJustified |

**BigVoiceMailSubscriberID**

Data type: 64-bit integer

Read/Write

Specifies the voice mail subscriber ID associated with the user, if any. Also refer to [VoiceMailSubscriberID \(deprecated 16 EP2\) on page 89](#)

**CanAdminByPassPrivacy**

Data type: Boolean

Read/Write

Indicates whether the user with administrative access is authorized to bypass privacy settings. True or 1 indicates that the user is authorized

to bypass privacy settings; False or 0 indicates that the user is not authorized to make changes.

**ChangeTag**

Data type: Long

Read-only

Returns a number that is incremented each time the object is updated. You can check this number to determine whether the user has been updated without getting the entire User object.

**CheckForNewFaxes**

Data type: Fax

Read-only

Returns a new fax object, if any. Repeat this property as needed.

For example:

```
'Timer_Timer gets fired by the form every x milliseconds
Private Sub Timer_Timer()
```

```
RestartLoop:
```

```
On Error GoTo LoopExit
```

```
Set newFax = curUser.CheckForNewFaxes
```

```
'do something here with newFax
```

```
GoTo RestartLoop
```

```
LoopExit:
```

```
End Sub
```

**CoverSheetModelID**

Data type: String

Read/Write

Specifies the file name of the default cover sheet for the user. This can also be set at the group level with the CoverSheet property, or it can be set for each fax with the FCSFilename property.

**DefaultBillingCode**

Data type: BillingCode

Read/Write

Specifies the BillingCode object that is used as a default for all faxes relating to this user. This can be changed for each fax with the BillingCode property.

### **DefaultBillingCode1**

Data type: String

Read/Write

Specifies a string value for the first default billing code for the user.

### **DefaultBillingCode2**

Data type: String

Read/Write

Specifies a string value for the second default billing code for the user.

### **DefaultFromName**

Data type: String

Read/Write

Specifies the default sender name that is used in the cover sheet. This can be changed for each fax with the FromName property.

### **DefaultOCRFileExtension**

Data type: String

Read/Write

Specifies the default file extension for the file generated when the fax is processed through the optical character recognition software. This can be changed for each fax by the OCR method. See also the AutoOCRExtension property.

### **DefaultOCRFormat**

Data type: OCRFormatType enumerated value

Read/Write

Specifies the default format for the file generated when the fax is processed through the optical character recognition software. This can be changed for each fax by the OCR method. See also the AutoOCRFormat property.

| Numeric equivalent | Name         |
|--------------------|--------------|
| 0                  | ofSmartASCII |
| 1                  | ofASCII      |
| 2                  | ofRTF        |

### **DefaultOCRLayout**

Data type: OCRLayoutType enumerated value

Read/Write

Specifies the default layout for the file generated when the fax is processed through the optical character recognition software. You must specify a valid OCRLayoutType value. This can be changed for each fax by the OCR property. See also the AutoOCRLayout property.

| Numeric equivalent | Name            |
|--------------------|-----------------|
| 0                  | olWYSIWYG       |
| 1                  | olLeftJustified |

### **DefaultPrinter**

Data type: Printer

Read/Write

Specifies the Printer object where faxes print when the user specifies the print function. To specify the printer for automatic fax printing, see the SentAutoprintPrinterand ReceivedAutoprintPrinter properties.

### **DefaultPrinterID**

Data type: String

Read/Write

Specifies a string value for the printer ID where faxes print when the user specifies the print function. To specify the printer for automatic fax printing, see the `SentAutoprintPrinter` and `ReceivedAutoprintPrinter` properties.

### **DefaultPriority**

Data type: `FaxPriorityType` enumerated value

Read/Write

Specifies the default priority for the fax using one of the valid `FaxPriorityType` enumerated values. This can be changed for each fax with the `Priority` property. For the user to send a fax with High priority, the `IsAbleToUseHighPriority` property must be set to `True` or `1`, and the `HighestAvailablePriority` must be set to `fpHigh`.

| Numeric equivalent | Name                  |
|--------------------|-----------------------|
| 0                  | <code>fpNormal</code> |
| 1                  | <code>fpLow</code>    |
| 2                  | <code>fpHigh</code>   |

### **DefaultToCityState**

Data type: String

Read/Write

Specifies the default recipient city and state information. This can be changed for each fax with the `ToCityState` property.

### **DefaultToCompany**

Data type: String

Read/Write

Specifies the default recipient company information. This can be changed for each fax with the `ToCompany` property.

### **DefaultToFaxNumber**

Data type: String

Read/Write

Specifies the default fax number that is entered for received faxes. This can be changed for each fax with the `ToFaxNumber` property.

### **DefaultToName**

Data type: String

Read/Write

Specifies the default recipient name. This can be changed for each fax with the `ToName` property.

### **DefaultToVoiceNumber**

Data type: String

Read/Write

Specifies the default recipient's telephone number, if any. This can be changed for each fax with the `ToVoiceNumber` property.

### **DeleteAfterSuccessfulRoute**

Data type: Boolean

Read/Write

Specifies whether the fax will be removed from the user's fax list after it has been routed to someone else. `True` or `1` indicates the fax will be removed; `False` or `0` indicates it will not.

### **DIDNumber**

Data type: Integer

Read/Write

Specifies a private DID fax number.

### **DistinguishedName**

Data type: String

Read/Write

Specifies a fully qualified name for certain applications.

### **EDCProcessDeletes**

Data type: Boolean

Read/Write

Enable processing deleted faxes by the External Document Connector.

### **EDCProcessForwards**

Data type: Boolean

Read/Write

Enable processing forwarded faxes by the External Document Connector.

### **EDCProcessForwardsRoutesDeletes (deprecated 16 EP2)**

Data type: Boolean

Read/Write

Enable processing forwarded and routed faxes by the External Document Connector.

### **EDCProcessReceivedFaxes**

Data type: Boolean

Read/Write

Enable processing forwarded and received faxes by the External Document Connector.

### **EDCProcessRoutes**

Data type: Boolean

Read/Write

Enable processing routed faxes by the External Document Connector.

### **EDCProcessSentFaxes**

Data type: Boolean

Read/Write

Enable processing sent faxes by the External Document Connector.

### **EmailAddress**

Data type: String

Read/Write

Specifies the user's return email address. This is required by SMTP servers when sending documents to email addresses.

### **EmailRouteForm**

Data type: EmailRouteFormType enumerated value

Read/Write

Specifies the type of form used to route a fax to the email system. You must specify one of the valid EmailRouteFormType values:

| Numeric equivalent | Name        |
|--------------------|-------------|
| 0                  | erfDefault  |
| 1                  | erfNone     |
| 2                  | erfStandard |
| 3                  | erfAdvanced |

### **ExcludedFromFaxAging**

Data type: Boolean

Read/Write

Indicates whether this user's faxes are deleted after a specified time. True or 1 indicates the faxes is not deleted due to aging; False or 0 indicates that the faxes are deleted due to aging. See also FaxAgeCertifyDelivery, FaxAgeFailed, FaxAgeNewF, FaxAgeReceived, and FaxAgeSent, which are set in the Group object.

### **Faxes**

Data type: Faxes Collection

Read-only

Returns the Faxes Collection for the user. See also the [CoverSheet](#) object.

### Folders

Data type: Folders Collection

Read-only

Returns the Folders Collection for the user. See also the [Folder](#) object.

### GeneralFaxNumber

Data type: String

Read/Write

Specifies the company fax number.

### GeneralVoiceNumber

Data type: String

Read/Write

Specifies the company voice number.

### Handle

Data type: Long

Read-only

Returns the code used internally by the RightFax system to identify each unique object.

### HasAccessToTheseUsers

Data type: Delegates Collection

Read-only

Returns the Delegates Collection that contains the list of users who have designated this user as a delegate. See also the [Delegate](#) object.

### HighestAvailablePriority

Data type: FaxPriorityType enumerated value

Read/Write

Specifies the highest priority available to this user. Set the priority to one of the valid FaxPriorityType values:

| Numeric equivalent | Enumerated value |
|--------------------|------------------|
| 0                  | fpNormal         |
| 1                  | fpLow            |
| 2                  | fpHigh           |

For the user to send a fax with High priority, this property must be set to fpHigh and the IsAbleToUseHighPriority property to True or 1. See also the DefaultPriority and the Priority property.

### ID

Data type: String

Read/Write

Specifies an ID you can assign to identify each unique object. If you specify a value without specifying a property name, the system assigns that value as the object ID.

### IsAbleToBypassPrivacy (deprecated 16 EP2)

Data type: Boolean

Read/Write

Indicates whether the user is authorized to bypass privacy settings. True or 1 indicates that the user is authorized to bypass privacy settings; False or 0 indicates that the user is not authorized to make changes.

### IsAbleToChangeCoverSheets

Data type: Boolean

Read/Write

Indicates whether the user is authorized to modify the cover sheets. True or 1 indicates that the user is authorized to make changes; False or 0 indicates that the user is not authorized to make changes.

#### **IsAbleToCreateNewForms**

Data type: Boolean

Read/Write

Indicates whether the user is authorized to create a new Form object. True or 1 indicates that the user is authorized to create new forms; False or 0 indicates that the user is not authorized to create new forms. See also the Form object.

#### **IsAbleToCreateNewLibraryDocuments**

Data type: Boolean

Read/Write

Indicates whether the user is authorized to create a new LibraryDocument object. True or 1 indicates that the user is authorized to create new library documents; False or 0 indicates that the user is not authorized to create new library documents. See also the [LibraryDocument](#) object.

#### **IsAbleToOCR**

Data type: Boolean

Read/Write

Specifies whether the user is authorized to use the RightFax OCR Converter software to create text documents from fax images. True or 1 indicates the user is authorized; False or 0 indicates the user is not authorized.

#### **IsAbleToRunReports**

Data type: Boolean

Read/Write

Specifies whether the user is authorized to run reports. True or 1 indicates the user is authorized; False or 0 indicates the user is not authorized.

#### **IsAbleToSendSMS**

Data type: Boolean

Read/Write

Indicates whether the user is authorized to send text messages via SMS. True or 1 indicates that the user is authorized to send SMS; False or 0 indicates that the user is not authorized to send SMS.

#### **IsAbleToUseHighPriority**

Data type: Boolean

Read/Write

Specifies whether the user is authorized to send faxes with priority set to High. True or 1 indicates the user is authorized; False or 0 indicates the user is not authorized. For the user to send a fax with High priority, this property must be set to True or 1 and the HighestAvailablePriority property to fpHigh. See also the DefaultPriority property and the Priority property in the Faxes Collection.

#### **IsAdministrator (deprecated 16 EP2)**

Data type: Boolean

Read/Write

Indicates whether the user has permission to control the fax server settings and features. True or 1 indicates the user is an administrator; False or 0 indicates the user is not an administrator.

#### **IsAllowManagingServiceInWebAdminEnabled**

Data type: Boolean

Read/Write

Indicates whether the user is allowed to manage services in WebAdmin. True or 1 indicates the user can manage services in WebAdmin; False or 0 indicates the user cannot.

### **IsAlternateNotificationEnabled**

Data type: Boolean

Read/Write

Indicates whether the user has turned on the alternate notification feature. True or 1 indicates this feature is on; False or 0 indicates it is not on. Alternate notification sends a notice to a person other than the user when certain events occur. For example, a user can receive notification when a fax does not transmit properly (by setting SendNotifyOnSendFailure to True or 1). The notice can also be sent to an alternate recipient, such as a support desk. The user specifies the AlternateNotifyUser property.

### **IsAnyAdmin**

Data type: Boolean

Read

Specifies whether the user has administrative access.

### **IsArchiveEnable**

Data type: Boolean

Read/Write

Specifies whether the user is authorized to generate archive events. True or 1 indicates the user is authorized; False or 0 indicates the user is not authorized.

### **IsAutoforwardEnabled**

Data type: Boolean

Read/Write

Specifies whether incoming faxes for this user will automatically be forwarded to a specified person or fax number. True or 1 indicates the

faxes are forwarded; False or 0 indicates they are not forwarded. To use this feature, specify the AutoForwardType property. If the forwarding type is fax, also specify the fax number with the AutoFaxListUpdate property.

### **IsAutoOCREnabled**

Data type: Boolean

Read/Write

Specifies whether the incoming faxes for this user will automatically be converted to text files with the RightFax OCR Converter software. True or 1 indicates the conversion happens automatically; False or 0 indicates the fax is not automatically converted. See also the AutoOCRExtension, AutoOCRFormat, and AutoOCRLayout properties.

### **IsAutoprintReceivedBodyEnabled**

Data type: Boolean

Read/Write

Specifies whether the body of received faxes will automatically print on the default printer specified by the ReceivedAutoprintPrinter property. True or 1 indicates the body of the faxes automatically prints; False or 0 indicates the body of the faxes does not automatically print. The IsFaxesSetToBeAutomaticallyPrinted property must be set to True or 1 for this property to be valid.

### **IsAutoprintReceivedCoversheetEnabled**

Data type: Boolean

Read/Write

Specifies whether the cover sheet of received faxes will automatically print on the default printer specified by the ReceivedAutoprintPrinter property. True or 1 indicates the fax cover sheets automatically print; False or 0 indicates the fax cover sheets do not automatically print. TheIsFaxesSetToBeAutomaticallyPrinted property must be set to True or 1 for this property to be valid.

### **IsAutoprintReceivedHistoryEnabled**

Data type: Boolean

Read/Write

Specifies whether the history of received faxes will automatically print on the default printer specified by the ReceivedAutoprintPrinter property. True or 1 indicates the history automatically prints; False or 0 indicates the history does not automatically print. The IsFaxesSetToBeAutomaticallyPrinted property must be set to True or 1 for this property to be valid.

### **IsAutoprintReceivedNoErrorEnabled**

Data type: Boolean

Read/Write

Specifies whether successfully received faxes will automatically print on the default printer specified by the ReceivedAutoprintPrinter property. True or 1 indicates the fax automatically prints; False or 0 indicates the fax does not automatically print. The IsFaxesSetToBeAutomaticallyPrinted property must be set to True or 1 for this property to be valid.

### **IsAutoprintSentBodyEnabled**

Data type: Boolean

Read/Write

Specifies whether the body of sent faxes will automatically print on the default printer specified by the SentAutoprintPrinter property. True or 1 indicates the body of the faxes automatically prints; False or 0 indicates the body of the faxes does not automatically print. The IsAutoprintSentEnabled property must be set to True or 1 for this to take effect. The IsFaxesSetToBeAutomaticallyPrinted property must be set to True or 1 for this property to be valid.

### **IsAutoprintSentBodyFirstPageOnlyEnabled**

Data type: Boolean

Read/Write

Specifies whether the only the first page of the body of sent faxes will automatically print on the default printer specified by the SentAutoprintPrinter property. True or 1 indicates the body of the faxes automatically prints; False or 0 indicates the body of the faxes does not automatically print. The IsAutoprintSentEnabled property must be set to True or 1 for this to take effect. The IsFaxesSetToBeAutomaticallyPrinted property must be set to True or 1 for this property to be valid.

### **IsAutoprintSentCoversheetEnabled**

Data type: Boolean

Read/Write

Specifies whether the cover sheet of sent faxes will automatically print on the default printer specified by the SentAutoprintPrinter property. True or 1 indicates the fax cover sheets automatically print; False or 0 indicates the fax cover sheets do not automatically print. The IsAutoprintSentEnabled property must be set to True or 1 for this to take effect. The IsFaxesSetToBeAutomaticallyPrinted property must be set to True or 1 for this property to be valid.

### **IsAutoprintSentEnabled**

Data type: Boolean

Read/Write

Specifies whether all sent faxes will automatically print on the default printer specified by the SentAutoprintPrinter property. True or 1 indicates the faxes automatically print; False or 0 indicates the faxes do not automatically print. The IsFaxesSetToBeAutomaticallyPrinted property must be set to True or 1 for this property to be valid.

### **IsAutoprintSentFailedFaxesEnabled**

Data type: Boolean

Read/Write

Specifies whether faxes that failed during the send process will automatically print on the default printer specified by the



SentAutoprintPrinter property. True or 1 indicates the faxes automatically print; False or 0 indicates the faxes do not automatically print. The IsAutoprintSentEnabled property and the IsFaxesSetToBeAutomaticallyPrinted property must be set to True or 1 for this to take effect.

#### **IsAutoprintSentHistoryEnabled**

Data type: Boolean

Read/Write

Specifies whether the history of sent faxes will automatically print on the default printer specified by the SentAutoprintPrinter property. True or 1 indicates the history automatically prints; False or 0 indicates the history does not automatically print. The IsAutoprintSentEnabled property and the IsFaxesSetToBeAutomaticallyPrinted property must be set to True or 1 for this to take effect.

#### **IsAutoprintSentSuccessFaxesEnabled**

Data type: Boolean

Read/Write

Specifies whether faxes that were successfully sent will automatically print on the default printer specified by the SentAutoprintPrinter property. True or 1 indicates the faxes automatically print; False or 0 indicates the faxes do not automatically print. The IsAutoprintSentEnabled property and the IsFaxesSetToBeAutomaticallyPrinted property must be set to True or 1 for this to take effect.

#### **IsAutoprintSentThumbnailEnabled**

Data type: Boolean

Read/Write

Specifies whether autoprinting the history of sent faxes will include a thumbnail of the first fax page. True or 1 indicates the thumbnail will print; False or 0 indicates the thumbnail will not be included. IsAutoprintSentHistoryEnabled must be set to true or 1.

#### **IsCallbackRequested**

Data type: Boolean

Read/Write

Specifies whether the user default is to request the recipient to call the voice number when the fax is transmitted. This can be changed for each fax with the IsCallbackRequested property in the Fax object. True or 1 indicates a call is requested; False or 0 indicates it is not.

#### **IsCanViewPriorVersionsEnabled**

Data type: Boolean

Read/Write

Specifies whether the user can view previously saved versions of annotated fax pages. True or 1 indicates the user can view prior versions; False or 0 indicates the user cannot view prior versions.

#### **IsCoverPageDefaultedOn**

Data type: Boolean

Read/Write

Specifies whether the default is set to include a cover page with outgoing faxes. True or 1 indicates a cover page is sent; False or 0 indicates it is not sent. This can be changed by the HasCoversheet property for each fax.

#### **IsDefaultCoverSheetsFine**

Data type: Boolean

Read/Write

Specifies whether the default is set to send the cover page in high resolution (200×200 dots per inch). True or 1 indicates a cover page is sent in fine mode; False or 0 indicates it does be sent in low resolution (100×100 dots per inch). This can be changed by the IsCoversheetFine property for each fax.

#### **IsDefaultFine**

Data type: Boolean

**Read/Write**

Specifies whether the default is set to send the body of the fax in high resolution (200×200 dots per inch). True or 1 indicates a fax is sent in fine resolution; False or 0 indicates it does be sent in low resolution (100×100 dots per inch). This can be changed by the `IsFineMode` property for each fax.

**IsDefaultSmartResumeEnabled**

Data type: Boolean

**Read/Write**

Specifies whether the RightFax Smart Resume feature is enabled. This feature stores information about transmitting faxes so that if an interruption occurs, the transmission can be continued from the point of the interruption rather than re-transmitting the entire fax. True or 1 indicates that SmartResume is enabled by default; False or 0 indicates it is not enabled. This can be changed by the `UseSmartResume` property for each fax.

**IsDisallowDelegatingToGroupsEnabled**

Data type: Boolean

**Read/Write**

Specifies whether the user is prevented from adding groups of users as delegates. True or 1 indicates the user cannot delegate to groups; False or 0 indicates the user can delegate to groups.

**IsDisallowSendEmailEnabled**

Data type: Boolean

**Read/Write**

Specifies whether the user is prevented from sending emails. True or 1 indicates the fax server fails a fax from a user if addressed to an email address; False or 0 indicates the user can send faxes addressed to email addresses.

**IsEmptyTrashEnabled**

Data type: Boolean

**Read/Write**

Specifies whether faxes in the trash folder are deleted when the user exits the system. True or 1 deletes the contents of the trash folder; False or 0 indicates the faxes remain in the trash, to be manually emptied later.

**IsExemptFromBillingCodeVerification**

Data type: Boolean

**Read/Write**

Specifies whether billing codes submitted by this user are checked against the list of valid billing codes. True or 1 indicates the codes is not checked; False or 0 indicates they are checked. See also the `BillingCode` object.

**IsFaxesSetToBeAutomaticallyPrinted**

Data type: Boolean

**Read/Write**

Specifies whether faxes automatically print after transmission is attempted. True or 1 indicates automatic printing; False or 0 indicates that faxes are not automatically printed. To control which faxes print, see the `IsAutoprintReceivedBodyEnabled`, `IsAutoprintReceivedCoversheetEnabled`, `IsAutoprintReceivedHistoryEnabled`, `IsAutoprintSentBodyEnabled`, `IsAutoprintSentCoversheetEnabled`, `IsAutoprintSentEnabled`, `IsAutoprintSentFailedFaxesEnabled`, `IsAutoprintSentHistoryEnabled`, and `IsAutoprintSentSuccessFaxesEnabled` properties. To specify the printer for automatic printing, use the `ReceivedAutoprintPrinter` and `SentAutoprintPrinter` properties.

**IsNotAllowToSearchBillingCodes**

Data type: Boolean

**Read/Write**

Specifies whether the user is authorized to search the BillingCodes Collection. True or 1 indicates the user is not allowed to search; False or 0 indicates the user is allowed to search. See also the SearchOnKey and SearchString properties.

#### **IsNTAuthenticationRequired**

Data type: Boolean

Read/Write

Specifies whether authentication of this user is required. True or 1 indicates that authentication is required; False or 0 indicates it is not. If authentication is required, a valid AssociatedNTAccount must exist.

#### **IsPasswordRequired**

Data type: Boolean

Read/Write

Specifies whether this user must enter a password to access the RightFax system. True or 1 indicates that a password is required; False or 0 indicates it is not. See also the Password property.

#### **IsPhonebookLocked**

Data type: Boolean

Read/Write

Specifies whether the user can edit or create phonebooks.

#### **IsReadOnlyAdmin**

Data type: Boolean

Read

Returns whether the administrative access is restricted to reading data without the ability to edit data.

#### **IsRestrictedToFirstPageOnly**

Data type: Boolean

Read/Write

Specifies whether the user is authorized full access to faxes or is limited to viewing only the first page of each fax. True or 1 indicates the user can only view the first page of each fax; False or 0 indicates the user has full access.

#### **IsServerPrintBlocked**

Data type: Boolean

Read/Write

Specifies whether the user is prevented from printing to network printers configured on the fax server.

#### **IsSmartFaxDistributionEnabled**

Data type: Boolean

Read/Write

Specifies whether the Smart Fax Distribution feature is turned on. This feature determines the order of fax delivery to multiple recipients. For example, it can be set to send a fax first to the recipient with the fewest faxes in queue. True or 1 indicates this feature is on; False or 0 indicates it is not on. See also GroupSFDEnabled and GroupSFDType in the Group object.

#### **IsSynched**

Data type: Boolean

Read/Write

Specifies whether the user object was created by an automated synchronization process. True or 1 indicates that there is a synchronization process; False or 0 indicates there is not.

#### **IsTrashEnabled**

Data type: Boolean

Read/Write

Specifies whether deleted faxes for this user are stored in the trash folder. True or 1 indicates that deleted faxes are stored in the trash

folder; False or 0 indicates they are deleted. The faxes in the trash folder remain on the system. The user empties the trash, or the aging time limit is finally reached. See also the FaxAgeCertifyDelivery property.

### **IsUnableToAnnotate**

Data type: Boolean

Read/Write

Specifies whether the user is allowed to add annotations to received faxes. True or 1 indicates the user is not allowed to annotate; False or 0 indicates the user is allowed to annotate.

### **IsUnableToChangeDelegates**

Data type: Boolean

Read/Write

Specifies whether the user is allowed to change delegates. True or 1 indicates the user is not allowed to change the settings; False or 0 indicates the user is allowed to change them.

### **IsUnableToChangeNotificationSettings**

Data type: Boolean

Read/Write

Specifies whether the user is allowed to change notification settings. True or 1 indicates the user is **not** allowed to change the settings; False or 0 indicates the user is allowed to change them.

### **IsUnableToDelete**

Data type: Boolean

Read/Write

Specifies whether the user is allowed to delete faxes. True or 1 indicates the user is **not** allowed to delete; False or 0 indicates the user is allowed to delete.

### **IsUnableToEditBillingCodes**

Data type: Boolean

Read/Write

Specifies whether the user is allowed to edit BillingCode objects. True or 1 indicates the user is not allowed to edit billing codes; False or 0 indicates the user is allowed to edit billing codes.

### **IsUnprotected**

Data type: Boolean

Read/Write

Specifies whether the user's faxes are available for other people to see without entering the user's password. True or 1 indicates that anyone can browse through this user's faxes. False or 0 indicates that a password is required.

### **IsUserDisabled**

Data type: Boolean

Read/Write

Specifies whether the user is disabled.

### **IsUserManagementAdmin**

Data type: Boolean

Read

Returns whether the administrative access is restricted to user management.

### **IsWebRFXEnabled**

Data type: Boolean

Read/Write

Specifies whether the graphic images posted to a web site are in RFX format. True or 1 indicates the graphics are in RFX format. False or 0 indicates they are not. The default is GIF format. See also the IsWebTiffEnabled property.

**IsWebTiffEnabled**

Data type: Boolean

Read/Write

Specifies whether the graphic images posted to a web site is in TIFF format. True or 1 indicates the graphics are in TIFF format. False or 0 indicates they are not. The default is GIF format. See also the IsWebRFXEnabled property.

**MemberOfGroup**

Data type: Group

Read/Write

Specifies the name of the user group of this user. If you change this property, theMemberOfGroupID for this user and the Users property in the Group object also change.

**MemberOfGroupID**

Data type: String

Read/Write

Specifies the ID of the user group of this user. If you change this property, theMemberOfGroup for this user and the Users property in the Group object also change.

**NeedsFaxesApproved**

Data type: Boolean

Read/Write

Specifies whether faxes sent by this user require approval. True or 1 indicates that approval is required; False or 0 indicates that approval is not required.

**NotifyType**

Data type: NotifyType enumerated value

Read/Write

Specifies the type of notification the user receives when a fax is transmitted. The value must be one of the valid NotifyType enumerated values.

**Note** To use custom notifications, Network Messaging must be turned off in the Services list on all WorkServers.

| Numeric equivalent | Name              |
|--------------------|-------------------|
| 0                  | nNetworkBroadcast |
| 1                  | nCustom1          |
| 2                  | nCustom2          |
| 3                  | nCustom3          |
| 4                  | nCustom4          |
| 5                  | nCustom5          |
| 6                  | nCustom6          |
| 7                  | nCustom7          |
| 8                  | nCustom8          |
| 9                  | nCustom9          |
| 10                 | nCCMail           |
| 11                 | nMSMail           |
| 13                 | nTRS              |
| 14                 | nCX3              |
| 15                 | nPager            |
| 16                 | nNotes            |
| 17                 | nExchange         |
| 18                 | nSMTP             |

**NumberOfFaxesOwned**

Data type: Integer

**Read-only**

Returns the total number of faxes in the Faxes Collection associated with this user. Use the Faxes property to retrieve the collection of faxes.

**Password**

Data type: String

Read/Write

Specifies the user's password. Only the user and the administrator can access this property. See also the IsAdministrator property and the ChangePassword method.

**PersonalFaxNumber**

Data type: String

Read/Write

Specifies the fax number for this user.

**PersonalVoiceNumber**

Data type: String

Read/Write

Specifies the voice number for this user. See also the RoutingCode property.

**PhoneBook**

Data type: PhoneBook Collection

Read-only

Returns the PhoneBook Collection for the user. See also the PhoneBook Collection.

**ReceivedAutoprintPrinter**

Data type: Printer

Read/Write

Specifies the printer where the received faxes print if the IsAutoprintReceivedBodyEnabled, IsAutoprintReceivedCoversheetEnabled, or IsAutoprintReceivedHistoryEnabled property is set to True or 1.

**ReceivedAutoprintPrinterID**

Data type: String

Read/Write

If autoprinting is enabled, this returns a string value for the printer ID that prints received faxes.

**ReceivedAutoprintPrinterResolution**

Data type: AutoprintResolutionType enumerated value

Read/Write

The print resolution to use for auto printing of received faxes. This must be an enum value of type AutoprintResolutionType:

| Numeric equivalent | Name      |
|--------------------|-----------|
| 0                  | aprHigh   |
| 1                  | aprMedium |
| 2                  | aprLow    |

**ReceiveNotify**

Data type: ReceiveNotifyType enumerated value

Read/Write

Specifies how the user wants to be notified of received faxes. The value is one of the ReceiveNotifyType enumerated values. If the notify type is mOnce or mPeriodically, the NotifyType property must also be set .

| Numeric equivalent | Name   | Notes                    |
|--------------------|--------|--------------------------|
| 0                  | rnNone | No notification is sent. |

| Numeric equivalent | Name           | Notes                                                                                       |
|--------------------|----------------|---------------------------------------------------------------------------------------------|
| 1                  | rnOnce         | Notification is only sent on initial receipt of the fax.                                    |
| 2                  | rnPeriodically | notification is sent periodically according to the specifications set by the administrator. |

### RouteFormat

Data type: UseRouteFormatType enumerated value

Read/Write

Specifies the fax format that this user forwards using the ForwardToNewFaxNumber property in the Fax object. This converts the fax to the specified format such as a TIFF or PDF before sending to a recipient outside of the RightFax system. The format must be one of the valid UserRouteFormatType enumerated values. See also the RouteInfo and RouteType properties.

| Numeric equivalent | Name                 |
|--------------------|----------------------|
| 0                  | urfDCX               |
| 1                  | urfPCX               |
| 2                  | urfTiffGroup3        |
| 3                  | urfTiffGroup4        |
| 4                  | urfGIF               |
| 5                  | urfPDF               |
| 6                  | urfPDFWithThumbnails |
| 7                  | urfCPC               |
| 8                  | urfRFX               |
| 9                  | urfPNG               |

### RouteInfo

Data type: String

Read/Write

Specifies the information that the server requires for routing. This varies for each route type. See the *RightFax Administrator's Guide* fax sever documentation for more information.

### RouteType

Data type: RouteType enumerated value

Read/Write

Specifies the type of system receiving routed faxes, such as CCMail, SAP, or Lotus Notes. The routing type must be one of the valid RouteType enumerated values. Depending on the recipient system, you also need to specify the RouteInfo and RouteFormat properties.

| Numeric equivalent | Name           |
|--------------------|----------------|
| 0                  | rRightFax      |
| 1                  | rCCMail        |
| 2                  | rMSMail        |
| 4                  | rFile          |
| 5                  | rOCR           |
| 6                  | rGroupWiseMail |
| 7                  | rNotes         |
| 8                  | rXRoute        |
| 9                  | rTRS           |
| 10                 | rCallXPress    |
| 11                 | rExchange      |
| 12                 | rSMTP          |
| 13                 | rANI           |
| 14                 | rSAP1          |

| Numeric equivalent | Name   |
|--------------------|--------|
| 15                 | rSAP2  |
| 16                 | rSAP3  |
| 17                 | rSAP4  |
| 18                 | rSAP5  |
| 19                 | rSAP6  |
| 20                 | rSAP7  |
| 21                 | rSAP8  |
| 22                 | rSAP9  |
| 23                 | rSAP10 |
| 24                 | rSAP11 |
| 25                 | rSAP12 |
| 26                 | rSAP13 |
| 27                 | rSAP14 |
| 28                 | rSAP15 |
| 29                 | rSAP16 |

**RoutingCode**

Data type: Long

Read/Write

Specifies the user's direct inward dialing number (DID).

**SendNotifyOnIncompleteFirstTime**

Data type: Boolean

Read/Write

Specifies whether a single notification is sent to the user if a sent fax does not contain enough information to complete transmission. The system uses the setting in the NotifyType property to determine the

type of notification for the user. True or 1 indicates notification is sent; False or 0 indicates it is not sent.

**SendNotifyOnIncompletePeriodically**

Data type: Boolean

Read/Write

Specifies whether repeated notifications are sent to the user if a sent fax does not contain enough information to complete transmission. The system uses the setting in the NotifyType property to determine the type of notification for the user. The number and frequency of the periodic notifications is determined by the administrator. True or 1 indicates notification is sent; False or 0 indicates it is not sent.

**SendNotifyOnNoHoldForPreview**

Data type: Boolean

Read/Write

Specifies whether notification is sent to the user when a sent fax is being transmitted without a preview. The system uses the setting in the NotifyType property to determine the type of notification for the user. True or 1 indicates notification is sent; False or 0 indicates it is not sent.

**SendNotifyOnSendFailedWillRetry**

Data type: Boolean

Read/Write

Specifies whether notification is sent to the user when a sent fax fails transmission, even if the system attempts to resend the fax. The system uses the setting in the NotifyType property to determine the type of notification for the user. True or 1 indicates notification is sent; False or 0 indicates it is not sent.

**SendNotifyOnSendFailure**

Data type: Boolean

Read/Write



Specifies whether notification is sent to the user when a sent fax fails transmission. The system uses the setting in the `NotifyType` property to determine the type of notification for the user. True or 1 indicates notification is sent; False or 0 indicates it is not sent.

**SendNotifyOnSendHeldForApproval**

Data type: Boolean

Read/Write

Specifies whether notification is sent to the user when a sent fax is held waiting for approval. The system uses the setting in the `NotifyType` property to determine the type of notification for the user. True or 1 indicates notification is sent; False or 0 indicates it is not sent.

**SendNotifyOnSendingFirstTime**

Data type: Boolean

Read/Write

Specifies whether a single notification is sent to the user when a sent fax begins transmission. The system uses the setting in the `NotifyType` property to determine the type of notification for the user. True or 1 indicates notification is sent; False or 0 indicates it is not sent.

**SendNotifyOnSendingPeriodically**

Data type: Boolean

Read/Write

Specifies whether repeated notifications are sent to the user as a sent fax is transmitted. The system uses the setting in the `NotifyType` property to determine the type of notification for the user. The number and frequency of the periodic notifications is determined by the administrator. True or 1 indicates notification is sent; False or 0 indicates it is not sent.

**SendNotifyOnSentSuccessfully**

Data type: Boolean

Read/Write

Specifies whether notification is sent to the user when a sent fax completes successful transmission. The system uses the setting in the `NotifyType` property to determine the type of notification for the user. True or 1 indicates notification is sent; False or 0 indicates it is not sent.

**SentAutoprintPrinter**

Data type: Printer

Read/Write

Specifies the Printer object where the sent faxes print if the `IsAutoprintSentEnabled` property is set to True or 1.

**SentAutoprintPrinterID**

Data type: String

Read/Write

Specifies a string value for the Printer ID where the sent faxes print if the `IsAutoprintSentEnabled` property is set to True or 1.

**UpdateInterval**

Data type: Integer

Read/Write

Specifies the time in minutes between automatic updates of the user's fax list.

**UserName**

Data type: String

Read/Write

Specifies the full name of the user.

**VoiceMailSubscriberID (deprecated 16 EP2)**

Data type: Long

Read/Write

Specifies the voice mail subscriber ID associated with the user, if any. Also refer to [BigVoiceMailSubscriberID](#) on page 73.

**WebClientImageFormat**

Data type: UserRouteFormatType enumerated value

Read/Write

Specifies the format for converting images, for distribution over the Web Client. The format must be one of the valid UserRouteFormatType values.

| Numeric equivalent | Name                 |
|--------------------|----------------------|
| 0                  | urfDCX               |
| 1                  | urfPCX               |
| 2                  | urfTiffGroup3        |
| 3                  | urfTiffGroup4        |
| 4                  | urfGIF               |
| 5                  | urfPDF               |
| 6                  | urfPDFWithThumbnails |
| 7                  | urfCPC               |
| 8                  | urfRFX               |
| 9                  | urfPNG               |

**WillReceivedFaxesHaveBillingCodesAssociated**

Data type: Boolean

Read/Write

Specifies whether the user's default billing codes automatically be associated with incoming faxes. True or 1 indicates the billing codes are automatically assigned; False or 0 indicates they are not. See also the DefaultBillingCode property.

## Users Collection

A Users Collection is a set of one or more User objects.

## Users Collection methods

**Add**

Adds an object to the collection

**Refresh**

Re-loads the list of form objects from the fax server.

**Remove**

Removes a specified object from the collection but not from the server. To remove an object from the server, use the Delete method in the object you want to delete.

**RemoveAll**

Removes all objects from the collection but not from the server. To remove an object from the server, use the Delete method in the object you want to delete.

**SaveToXML**

Saves XML data to an XML file.

**Sort**

Sort list by ID.

## Users Collection properties

**Count**

Data type: Long

Read-only

Returns the number of objects in the collection.

**Create**

Data type: User

Read-only

Returns a new object.

**Item**

Data type: User

Read-only

Returns the object with the specified item number. Each object in the collection is numbered, starting with 1.

## Chapter 6: Phonebooks and printers

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A phonebook in the RightFax system is defined by each user and accessed when sending a fax. Like other types of phonebooks, it contains the information about the user's most frequent fax recipients.

The printer objects are also defined by the user and accessed by the Fax objects. Within the User object, there are properties that specify when a fax is automatically printed and which printers are default printers for each type of print job.

**Caution** All examples were created and verified using Microsoft Visual Basic 6.0. If you are using a different development environment, some of the examples in this section may not work as expected.

### PhoneBook Collection

A PhoneBook is a set of one or more PhoneItem objects. The PhoneBook Collection is called by the user with the PhoneBook property in the User object.

### PhoneBook Collection methods

#### Add

Adds an object to the collection.

#### Refresh

Re-loads the list of phonebook objects from the fax server.

#### Remove

Removes a specified object from the collection but not from the server. To remove an object from the server, use the Delete method in the object you want to delete.

#### RemoveAll

Removes all objects from the collection but not from the server. To remove an object from the server, use the Delete method in the object you want to delete.

#### SaveToXML

Saves the phonebook to an XML file.

#### Sort

Sort list by ID.

### PhoneBook Collection properties

#### Count

Data type: Long

Read-only

Returns the number of objects in the collection.

#### Create

Data type: PhoneItem

Read-only

Returns a new object.

### **Item**

Data type: PhoneItem

Read-only

Returns the object with the specified item number. Each object in the collection is numbered, starting with 1.

## **PhoneItem**

There are two types of PhoneItem objects, PhoneItemElement and PhoneItemGroup objects. Both have the same basic set of properties and methods, described here under PhoneItem. In addition, PhoneItemElement objects contain information about a specific recipient, such as address and fax numbers. A PhoneItemGroup is actually a collection of PhoneItemElements and also contains other PhoneItemGroup collections.

## **PhoneItem methods**

### **Delete**

Removes the object from the server.

### **Save**

Writes the object to the server.

## **PhoneItem properties**

### **Handle**

Data type: Long

Read-only

Returns the code used internally by the RightFax system to identify each unique object.

### **ID**

Data type: String

Read/Write

Specifies an ID you can assign to identify each unique object. If you specify a value without specifying a property name, the system assigns that value as the object ID.

### **IsCertifiedDeliveryEnabled**

Data type: Boolean

Read/Write

Specifies whether documents sent to this PhoneItem will be sent via certified delivery.

### **IsEmailRecipient**

Data type: Boolean

Read/Write

Specifies whether the phone item is an email recipient. True or 1 indicates the phone item is an email recipient; False or 0 indicates it is a fax recipient.

### **IsExternallyPublished**

Data type: Boolean

Read/Write

Specifies whether the phone item is available to applications other than the RightFax software. True or 1 indicates the phone item is available; False or 0 indicates it is not.

### **IsHiddenFromCCList**

Data type: Boolean

Read/Write

Specifies whether the phone item appears on the cover sheet in the cc list. True or 1 indicates the phone item does not appear; False or 0 indicates it does.

### **IsPublished**

Data type: Boolean

**Read/Write**

Specifies whether the phone item is available for viewing by other users of the RightFax software. True or 1 indicates the phone item is available; False or 0 indicates it is not.

**IsReadOnly**

Data type: Boolean

**Read/Write**

Specifies whether the phone item can be modified by users of the RightFax software other than the owner. True or 1 indicates the phone item can not be modified; False or 0 indicates it can.

**Owner**

Data type: User

**Read/Write**

Specifies the user who is the owner of the phone item.

**TypeOfPhoneItem**

Data type: PhoneItemType enumerated value

**Read-only**

Specifies the type of phone item. The specified value must be one of the valid PhoneItemType enumerated values:

| Numeric equivalent | Name      |
|--------------------|-----------|
| 0                  | piElement |
| 1                  | piGroup   |

## PhoneItemElement

Each phone item element contains the addressing information for a single recipient. The PhoneItemElement also contains the information

specified in the PhoneItem containing the element, including all properties and methods.

### PhoneItemElement methods

**Delete**

Removes the object from the server.

**ReadFromXML**

Reads XML data from an XML file.

**Save**

Writes the object to the server.

**SaveToXML**

Saves the phonebook element to an XML file.

### PhoneItemElement properties

**Address**

Data type: String

**Read/Write**

Specifies the recipient's street address.

**BillingCode**

Data type: BillingCode

**Read/Write**

Specifies the billing code that is assigned to all faxes sent to this recipient. This can be overridden by the BillingCode property in the Fax object.

**BillingCode1**

Data type: String

**Read/Write**

Specifies billing code 1.

**BillingCode2**

Data type: String

Read/Write

Specifies billing code 2.

**CityState**

Data type: String

Read/Write

Specifies the recipient's city and state.

**Company**

Data type: String

Read/Write

Specifies the recipient's company name.

**EmailAddress**

Data type: String

Read/Write

Specifies the recipient's email address.

**FaxNumberAlternate**

Data type: String

Read/Write

Specifies the alternate fax number for the recipient.

**FaxNumberPrimary**

Data type: String

Read/Write

Specifies the primary fax number for the recipient.

**Handle**

Data type: Long

Read-only

Handle of the phonebook element.

**ID**

Data type: String

Read/Write

ID of the phonebook element.

**IsCertifiedDeliveryEnabled**

Data type: Boolean

Read/Write

Indicates whether Certified Delivery is enabled.

**IsEmailRecipient**

Data type: Boolean

Read/Write

Indicates whether the document is being sent to an email address.

**IsExternallyPublished**

Data type: Boolean

Read/Write

Is the phonebook entry externally published for use by third-party applications to know if they shadow this phonebook entry.

**IsHiddenFromCCList**

Data type: Boolean

Read/Write

Is this phone book entry hidden from the cc list on the cover sheet?

**IsPublished**

Data type: Boolean

Read/Write

Is the phonebook entry published for anyone to see?

### **IsReadOnly**

Data type: Boolean

Read/Write

Is the phonebook entry only modifiable by the owner?

### **Name**

Data type: String

Read/Write

Specifies the recipient's full name.

### **Notes**

Data type: String

Read/Write

Specifies notes associated with the recipient.

### **Owner**

Data type: User

Read/Write

Owner of the phonebook element.

### **SecureCSID**

Data type: String

Read/Write

Specifies the secure caller subscriber identification of the recipient's fax machine, if any.

### **TypeOfPhonelineItem**

Data type: PhonelineItemType

Read-only

Specifies the type of phone item.

### **VoiceNumberAlternate**

Data type: String

Read/Write

Specifies the recipient's alternate voice telephone number.

### **VoiceNumberPrimary**

Data type: String

Read/Write

Specifies the recipient's voice telephone number.

**Example** The following code creates a phone book entry for a user named Joe.

```
Dim obUser As RFCOMAPILib.User
Dim obPhone as RFCOMAPILib.PhonelineItemElement
Public Sub AddPhonelineItem()

 Set obUser = MyFaxServer.User ("Joe")
 Set obPhone = MyFaxServer.CreateObject
 (coPhonelineItemElement)
 obPhone.ID = "ID_of_phone_item"
 obPhone.Name = "To name"
 obPhone.Owner = obUser

 obPhone.Save
End Sub
```

## **PhonelineItemGroup**

A PhonelineItemGroup is a set of one or more PhonelineItem objects. The PhonelineItemGroup also contains the information specified in the PhonelineItem of the group, including all properties and methods. Each PhonelineItemGroup can also contain other PhonelineItemGroup collections.

### **PhonelineItemGroup methods**

#### **Add**



Adds an object to the collection

### **Delete**

Removes the object from the server.

### **Load**

Loads the elements into the collection. This prevents recursive loading of the nested phonebook groups.

### **ReadFromXML**

Reads XML data from an XML file.

### **Remove**

Removes a specified object from the collection but not from the server. To remove an object from the server, use the Delete method in the object you want to delete.

### **RemoveAll**

Removes all objects from the collection but not from the server. To remove an object from the server, use the Delete method in the object you want to delete.

### **Save**

Writes the object to the server.

### **SaveToXML**

Saves the phonebook element to an XML file.

## **PhoneItemGroup properties**

### **Count**

Data type: Long

Read-only

Returns the number of objects in the collection.

### **Handle**

Data type: Long

Read-only

Returns the handle of the phonebook element group.

### **ID**

Data type: String

Read/Write

Returns the ID of the phonebook element group.

### **IsCertifiedDeliveryEnabled**

Data type: Boolean

Read/Write

Indicates whether Certified Delivery is enabled.

### **IsEmailRecipient**

Data type: Boolean

Read/Write

Indicates whether the document is being sent to an email address.

### **IsExternallyPublished**

Data type: Boolean

Read/Write

Indicates whether the phonebook entry is being externally published for use by third-party applications to know if they should shadow this phonebook entry.

### **IsHiddenFromCCList**

Data type: Boolean

Read/Write

Indicates whether this phone book entry is being hidden from the cc list on the cover sheet.

### **IsPublished**

Data type: Boolean

Read/Write

Indicates whether the phonebook entry is being published for anyone to see.

### **IsReadOnly**

Data type: Boolean

Read/Write

Indicates whether the phonebook entry is only modifiable by the owner.

### **Item**

Data type: PhoneItem

Read-only

Returns the object with the specified item number. Each object in the collection is numbered, starting with 1.

### **Owner**

Data type: User

Read/Write

Owner of the phonebook element.

### **TypeOfPhoneItem**

Data type: Long

Read-only

Specifies the type of phone item.

## **Printer**

The Printer object defines a printer for the RightFax system.

### **Printer methods**

#### **Delete**

Removes the print record from the server.

#### **ReadFromXML**

Reads XML data from an XML file.

#### **Save**

Writes the print record to the server.

#### **SaveToXML**

Saves the phonebook element to an XML file.

## **Printer properties**

#### **DefaultPrintSize**

Data type: PrintPaperSizeType enumerated value

Read/Write

Specifies the size of the paper in the default tray of the printer. The default tray is specified by the DefaultPrintSource property. The paper size must be one of the valid PrintPaperSizeType enumerated values:

| Name          | Numeric equivalent |
|---------------|--------------------|
| psLetter      | 1                  |
| psLegal       | 2                  |
| psA4          | 3                  |
| psLetterLegal | 4                  |
| psA4Legal     | 5                  |

#### **DefaultPrintSource**

Data type: PrintPaperSourceType enumerated value

Read/Write

Specifies the default location of the paper in the printer. The size of paper in this default location is specified by the DefaultPrintSize property. The paper source must be one of the valid PrintPaperSourceType values:

| Name                   | Numeric equivalent |
|------------------------|--------------------|
| ppsDefault             | 0                  |
| ppsUpperOrTray1        | 1                  |
| ppsLowerOrTray2        | 2                  |
| ppsManual              | 3                  |
| ppsTray3               | 4                  |
| ppsMPTrayOrTray4       | 5                  |
| ppsHighCapacityOrTray5 | 6                  |

**Description**

Data type: String

Read/Write

Specifies a description for this printer.

**Handle**

Data type: Long

Read-only

Returns the database handle used internally by the RightFax system to identify each unique object.

**ID**

Data type: String

Read/Write

Specifies an ID you can assign to identify each unique object. If you specify a value without specifying a property name, the system assigns that value as the object ID.

**PrintDirectlyToAnIPAddress**

Data type: Boolean

Read/Write

Specifies whether the printer is printing to an IP address. True or 1 indicates the printer is printing to an IP address; False or 0 indicates it is not.

**PrinterType**

Data type: PrinterType enumerated value

Read/Write

Specifies the brand and model of printer. The printer type must be one of the valid PrinterType enumerated values.

| Numeric equivalent | Name               |
|--------------------|--------------------|
| 0                  | pNone              |
| 1                  | pLaserJet          |
| 2                  | pLaserJetII        |
| 3                  | pDeskJet           |
| 4                  | pLaserJetIII       |
| 5                  | pDeskJet500        |
| 6                  | pPostScriptLevel1  |
| 7                  | pLaserJet4         |
| 8                  | pPPDS              |
| 9                  | pXIP               |
| 10                 | pXeroxDCS20        |
| 11                 | pXeroxDCS35        |
| 12                 | pLaserJet3si       |
| 13                 | pLaserJet4si       |
| 14                 | pLaserJet5si       |
| 15                 | pATIIImagePrinter  |
| 16                 | pLaserJet5siMopier |

| Numeric equivalent | Name               |
|--------------------|--------------------|
| 17                 | pXeroxN24          |
| 18                 | pXeroxDCS220       |
| 19                 | pXeroxDCS230       |
| 20                 | pXeroxDCS240       |
| 21                 | pXeroxDCS255       |
| 22                 | pXeroxDCS265       |
| 23                 | pXeroxRicoh250     |
| 24                 | pXeroxLaserJet8000 |
| 25                 | pXeroxGDI          |
| 26                 | pXeroxDCS460       |
| 27                 | pXeroxDCS470       |
| 28                 | pXeroxDCS480       |

**QueueName**

Data type: String

Read/Write

Specifies the name of the queue on the server. The server is specified by the ServerName property.

**Request**

Data type: PrintRequest

Read-only

Generates a PrintRequest object, which the server uses to print the fax.

**ServerName**

Data type: String

Read/Write

Specifies the name of the server hosting the print queue specified in the QueueName property.

## Printers Collection

A Printers Collection is a set of one or more Printer objects.

### Printers Collection methods

**Add**

Adds an existing printer object to the collection

**Refresh**

Re-loads the list of printer objects from the fax server.

**Remove**

Removes a specified object from the collection but not from the server. To remove an object from the server, use the Delete method in the object you want to delete.

**RemoveAll**

Removes all objects from the collection but not from the server. To remove an object from the server, use the Delete method in the object you want to delete.

**SaveToXML**

Saves the phonebook element to an XML file.

### Printers Collection properties

**Count**

Data type: Long

Read-only

Returns the number of objects in the collection.

**Create**

Data type: Printer

Read-only

Creates a new object.

### Item

Data type: Printer

Read-only

Returns the object with the specified item number. Each object in the collection is numbered, starting with 1.

## PrintRequest

A PrintRequest contains the specific information needed to print a Fax object, such as resolution and paper size information. Use the Request method in the Printer object to create a print request. Use the print request to print the fax.

### PrintRequest methods

#### ReadFromXML

Reads XML data from an XML file.

#### SaveToXML

Saves the phonebook element to an XML file.

### PrintRequest properties

#### CollateOutput

Data type: Boolean

Read/Write

Specifies whether multiple copies of multi-page faxes are collated, producing one copy of the entire fax before beginning the second copy. This property only applies to printer types that support this feature. True

or 1 indicates the output is collated; False or 0 indicates it is not collated.

#### Duplex

Data type: PrintDuplexType enumerated value

Read/Write

Specifies how the printer will create two-sided copies, if the printer supports this feature. The duplex type must be one of the valid PrintDuplexType enumerated values.

| Numeric equivalent | Name        |
|--------------------|-------------|
| 0                  | pdDefault   |
| 1                  | pdSingle    |
| 2                  | pdLongEdge  |
| 3                  | pdShortEdge |

#### EndPage

Data type: Integer

Read/Write

Specifies the last page of a multi-page output that is printed. To print all pages, specify -1 as the end page.

#### NumberOfCopies

Data type: Integer

Read/Write

Specifies the number of copies to print.

#### OutputBin

Data type: PrintOutputBinType enumerated value

Read/Write

Specifies where in the printer the printed output is sent. For example, if there is a separate mechanism for stapling, the printed pages can go to the poBinFinisher bin. The bin must be one of the valid PrintOutputBinType values:

| Numeric equivalent | Name            |
|--------------------|-----------------|
| 0                  | poBinDefault    |
|                    | poBinUpper<br>1 |
| 2                  | poBinLower      |
| 3                  | poBinFinisher   |

### PaperSource

Data type: PrintPaperSourceType enumerated value

Read/Write

Specifies which printer tray contains the paper to be used for this output. The paper source must be one of the valid PrintPaperSourceType values. The default value is set for the printer with the DefaultPrintSource property in the Printer object.

| Numeric equivalent | Name                   |
|--------------------|------------------------|
| 0                  | ppsDefault             |
| 1                  | ppsUpperOrTray1        |
| 2                  | ppsLowerOrTray2        |
| 3                  | ppsManual              |
| 4                  | ppsTray3               |
| 5                  | ppsMPTrayOrTray4       |
| 6                  | ppsHighCapacityOrTray5 |

### PrintCover

Data type: Boolean

Read/Write

Specifies whether to print the cover sheet for sent faxes. True or 1 indicates the cover sheet prints; False or 0 indicates it does not.

### PrinterID

Data type: String

Read-only

Specifies an ID you can assign to identify the printer. If you specify a value without specifying a property name, the system assigns that value as the printer ID.

### PrintTiffHeader

Data type: Boolean

Read/Write

Specifies whether the TIFF image header prints. True or 1 indicates it does print; False or 0 indicates it does not.

### PrintTransmissionHistory

Data type: Boolean

Read/Write

Specifies whether to print the transmission history for the fax. True or 1 indicates the history prints; False or 0 indicates it does not.

### Resolution

Data type: PrintResolutionType enumerated value

Read/Write

Specifies the print resolution for the fax. Note that this is not the same as the Fax object property IsFineMode, which specifies the fax image resolution. The print resolution must be one of the valid PrintResolutionType values, and varies with the type of output printer.

| Numeric equivalent | Name     |
|--------------------|----------|
| 0                  | prHigh   |
| 1                  | prMedium |
| 2                  | prLow    |

Data type: Integer

Read/Write

Specifies the first page that is printed.

### Size

Data type: PrintSizeType enumerated value

Read/Write

Specifies the size of the fax paper. The paper size must be one of the valid PrintSizeType values. The default value for each printer is specified with the DefaultPrintSize property.

| Numeric equivalent | Name          |
|--------------------|---------------|
| 0                  | psDefault     |
| 1                  | psLetter      |
| 2                  | psLegal       |
| 3                  | psA4          |
| 4                  | psLetterLegal |
| 5                  | psA4Legal     |

### StapleOutput

Data type: Boolean

Read/Write

Specifies whether multi-page output will be stapled, if the printer supports this feature. True or 1 indicates the output is stapled; False or 0 indicates it is not stapled.

### StartPage

## Chapter 7: Fax history objects

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A history object is created when activity occurs for a fax, such as transmission, printing, or conversion to OCR. The base class of all fax histories is the FaxHistory object. There are nine types of FaxHistory objects, each containing the core FaxHistory object properties, as well as unique properties for that type.

**Example** When a fax is approved, a core FaxHistory object is created with a history type of FaxHistoryApproval. This indicates that the object also contains the properties specified by the ApprovalFaxHistory object, such as the name of the user who approved the fax. If the type is FaxHistoryPrint, the FaxHistory object contains information about the printer and number of pages printed, as specified in the PrintFaxHistory object.

### FaxHistories Collection

A FaxHistories Collection is a set of one or more FaxHistory objects.

#### FaxHistories Collection methods

##### SaveToXML

Saves the fax history collection to an XML file.

#### FaxHistories Collection properties

##### Count

Data type: Long

Read-only

Returns the number of objects in the collection.

##### Item

Data type: Item

Read-only

Returns the object with the specified item number. Each object in the collection is numbered, starting with 1.

### FaxHistory

A FaxHistory object is created when activity occurs for a fax, such as transmission, printing, or conversion to OCR. There are nine types of FaxHistory objects, each containing the core FaxHistory object properties as well as unique properties for that type.

**Example** If the type is FaxHistoryApproval, the FaxHistory object is an ApprovalFaxHistory object and contains the name of the user who approved the fax. If the type is FaxHistoryPrint, the FaxHistory object is a PrintFaxHistory object and contains information about the printer and number of pages printed.

#### FaxHistory methods

##### SaveToXML

Saves the fax history to an XML file.



## FaxHistory properties

### DateTime

Data type: Date

Read-only

Specifies the date and time the fax history object was created.

### Handle

Data type: Long

Read-only

Returns the database handle used internally by the RightFax system to identify each unique object.

### TypeOfHistory

Data type: FaxHistoryType enumerated value

Read-only

Specifies the type of fax history object. This object contains additional properties based on the fax history type. The history type must be one of the FaxHistoryType enumerated values:

| Numeric equivalent | Name                      | Notes                                                     |
|--------------------|---------------------------|-----------------------------------------------------------|
| 0                  | FaxHistoryTransmission    | See the <a href="#">TransmissionFaxHistory</a> object.    |
| 1                  | FaxHistoryRoute           | See the <a href="#">RouteFaxHistory</a> object.           |
| 2                  | FaxHistoryPrint           | See the <a href="#">PrintFaxHistory</a> object.           |
| 3                  | FaxHistoryConversionError | See the <a href="#">ConversionErrorFaxHistory</a> object. |
| 4                  | FaxHistoryOCR             | See the <a href="#">OCRFaxHistory</a> object.             |
| 5                  | FaxHistoryNetForward      | See the <a href="#">NetForwardFaxHistory</a> object.      |

| Numeric equivalent | Name                  | Notes                                                 |
|--------------------|-----------------------|-------------------------------------------------------|
| 6                  | FaxHistoryApproval    | See the <a href="#">ApprovalFaxHistory</a> object.    |
| 7                  | FaxHistoryDisapproval | See the <a href="#">DisapprovalFaxHistory</a> object. |
| 8                  | FaxHistoryFileRoute   | See the <a href="#">FileRouteFaxHistory</a> object.   |
| 9                  | FaxHistorySecureDoc   | See the <a href="#">SecureDocHistory</a> object.      |

**Example** The following code retrieves the transmission history for a user's faxes.

```
Dim obFaxHistory As RFCOMAPILib.FaxHistory
Dim obFax As RFCOMAPILib.Fax
For Each obFax In MyFaxServer.Faxes ("UserID")

For Each obFaxHistory In obFax.Histories
If obFaxHistory.TypeOfHistory =
FaxHistoryTransmission Then
Dim obFaxTransHist As
RFCOMAPILib.TransmissionFaxHistory
Set obFaxTranHist = obFaxHistory
sDesc = obFaxTranHist.Description
MsgBox sDesc
End If
Next
Next
```

## ApprovalFaxHistory

This type of history object is created when a fax has been approved. The base FaxHistory object has a history type of FaxHistoryApproval and also contains the following properties.

## ApprovalFaxHistory methods

### SaveToXML

Saves the fax history to an XML file.

## ApprovalFaxHistory properties

### Approver

Data type: User

Read-only

Returns the user who approved the fax.

### DateTime

Data type: Date

Read-only

Retrieves the date and time of the history transaction.

### Handle

Data type: Long

Read-only

Database handle of the FaxHistory object.

### Notes

Data type: String

Read-only

Returns the notes, if any, that the user entered when approving the fax.

### TypeOfHistory

Data type: FaxHistoryType

Read-only

Retrieves the type of history as a FaxHistoryType object.

## ConversionErrorFaxHistory

This type of history object is created when conversion of a fax is attempted, either to or from an image file. The base FaxHistory object has a history type of FaxHistoryConversionError and also contains the following properties.

## ConversionErrorFaxHistory methods

### SaveToXML

Saves the fax history to an XML file.

## ConversionErrorFaxHistory properties

### ConversionType

Data type: String

Read-only

Returns the type of conversion that caused the failure.

### DateTime

Data type: Date

Read-only

Retrieves the date and time of the history transaction.

### Error1

Data type: Long

Read-only

Returns the first field of the error message generated by the conversion process.

### Error2

Data type: Long

Read-only

Returns the second field of the error message generated by the conversion process.

### **ErrorMessage**

Data type: String

Read-only

Returns the name or ID of the error message generated by the conversion process.

### **Handle**

Data type: Long

Read-only

Database handle of the FaxHistory object.

### **TypeOfHistory**

Data type: FaxHistoryType

Read-only

Retrieves the type of history as a FaxHistoryType object.

## **DisapprovalFaxHistory**

This type of history object is created when a fax is disapproved. The base FaxHistory object has a history type of FaxHistoryDisapproval and also contains the following properties.

### **DisapprovalFaxHistory methods**

#### **SaveToXML**

Saves the fax history to an XML file.

### **DisapprovalFaxHistory properties**

#### **DateTime**

Data type: Date

Read-only

Retrieves the date and time of the history transaction.

### **Disapprover**

Data type: User

Read-only

Returns the user who disapproved the fax.

### **Handle**

Data type: Long

Read-only

Database handle of the FaxHistory object.

### **Notes**

Data type: String

Read-only

Returns the notes, if any, the user entered when disapproving the fax.

### **TypeOfHistory**

Data type: FaxHistoryType

Read-only

Retrieves the type of history as a FaxHistoryType object.

## **FileRouteFaxHistory**

This type of history object is created when a fax is routed to a network location. The base FaxHistory object has a history type of FaxHistoryRoute and also contains the following properties.

### **FileRouteFaxHistory methods**

#### **SaveToXML**

Saves the fax history to an XML file.

## FileRouteFaxHistory properties

### **DateTime**

Data type: Date

Read-only

Retrieves the date and time of the history transaction.

### **Error**

Data type: Long

Read-only

Returns the error message generated by the receiving system of the fax route attempt.

### **Handle**

Data type: Long

Read-only

Database handle of the FaxHistory object.

### **RoutePath**

Data type: String

Read-only

Returns the full network path of the fax route attempt.

### **TypeOfHistory**

Data type: FaxHistoryType

Read-only

Retrieves the type of history as a FaxHistoryType object.

## NetForwardFaxHistory

This type of history object is created when a fax is forwarded to users within the RightFax system. The base FaxHistory object has a history

type of FaxHistoryNetForward and also contains the following properties.

## NetForwardFaxHistory methods

### **SaveToXML**

Data type: FaxHistoryType

Read-only

Saves the fax history to an XML file.

## NetForwardFaxHistory properties

### **DateTime**

Data type: Date

Read-only

Retrieves the date and time of the history transaction.

### **Handle**

Data type: Long

Read-only

Database handle of the FaxHistory object.

### **Notes**

Data type: String

Read-only

Returns the notes, if any, the user entered when requesting that the fax be forwarded.

### **PreviousOwner**

Data type: User

Read-only

Returns the user who was the owner of the fax before it was forwarded.

### **TypeOfHistory**

Data type: FaxHistoryType

Read-only

Retrieves the type of history as a FaxHistoryType object.

### **UsersForwardedTo**

Data type: Users Collection

Read-only

Returns the Users collection that contains the users receiving the forwarded fax.

## **OCRFaxHistory**

This history object is created when a fax is converted from image file to text. The base FaxHistory object has a history type of FaxHistoryOCR and also contains the following properties.

### **OCRFaxHistory methods**

#### **SaveToXML**

Saves the fax history to an XML file.

### **OCRFaxHistory properties**

#### **DateTime**

Data type: Date

Read-only

Retrieves the date and time of the history transaction.

#### **Error1**

Data type: Long

Read-only

Returns the first field of the error message, if any, generated by the OCR conversion process.

#### **Handle**

Data type: Long

Read-only

Database handle of the FaxHistory object.

### **Message**

Data type: String

Read-only

Returns a status message generated by the OCR conversion process.

### **TimeToOCR**

Data type: Long

Read-only

Returns the time, in seconds, that it took to convert the fax image to text.

### **TypeOfHistory**

Data type: FaxHistoryType

Read-only

Retrieves the type of history as a FaxHistoryType object.

## **PrintFaxHistory**

This type of history object is created when a fax is sent to the printer. The base FaxHistory object has a history type of FaxHistoryPrint and also contains the following properties.

### **PrintFaxHistory methods**

#### **SaveToXML**

Saves the fax history to an XML file.

### **PrintFaxHistory properties**

#### **CopiesPrinted**

Data type: Integer

Read-only

Returns the number of copies of the fax that were printed.

### **DateTime**

Data type: Date

Read-only

Retrieves the date and time of the history transaction.

### **Error1**

Data type: Long

Read-only

Returns the first field of the error message, if any, generated by the print process.

### **Error2**

Data type: Long

Read-only

Returns the second field of the error message, if any, generated by the print process.

### **Handle**

Data type: Long

Read-only

Database handle of the FaxHistory object.

### **Message**

Data type: String

Read-only

Returns a status message generated by the print process.

### **PagesPrinted**

Data type: Integer

Read-only

Returns the total number of pages printed.

### **Printer**

Data type: Printer

Read-only

Returns the printer receiving the print job.

### **TimeToPrint**

Data type: Long

Read-only

Returns the time, in seconds, it took to print the fax.

### **TypeOfHistory**

Data type: FaxHistoryType

Read-only

Retrieves the type of history as a FaxHistoryType object.

## **RouteFaxHistory**

This type of history object is created when a fax was routed to other recipients who are not on the RightFax system. The base FaxHistory object has a history type of FaxHistoryRoute and also contains the following properties.

### **RouteFaxHistory methods**

#### **SaveToXML**

Saves the fax history to an XML file.

### **RouteFaxHistory properties**

#### **DateTime**

Data type: Date

Read-only

Retrieves the date and time of the history transaction.

#### **Handle**

Data type: Long

Read-only

Database handle of the FaxHistory object.

#### **IsAutomaticallyRouted**

Data type: Boolean

Read-only

Returns True or 1 if the fax was automatically routed, False if it was manually routed.

#### **Notes**

Data type: String

Read-only

Returns notes entered by the user when submitting the routing request.

#### **PreviousOwner**

Data type: User

Read-only

Returns the user who was the owner of the fax before it was routed.

#### **TypeOfHistory**

Data type: FaxHistoryType

Read-only

Retrieves the type of history as a FaxHistoryType object.

### **SecureDocHistory**

This history object is created when a document is sent to an email address. The base FaxHistory object has a history type of FaxHistorySecureDoc and contains the following properties.

### **SecureDocHistory methods**

#### **SaveToXML**

Saves the fax history to an XML file.

### **SecureDocHistory properties**

#### **CurrentStatus**

Data type: String

Read-only

Returns a short description of the status of the document when the history element was created.

#### **DateTime**

Data type: Date

Read-only

Retrieves the date and time of the history transaction.

#### **Handle**

Data type: Long

Read-only

Database handle of the FaxHistory object.

#### **RemoteIP**

Data type: String

Read-only

Returns the IP address of the web client that downloaded the certified document.

#### **SMTPHost**

Data type: String

Read-only

Returns the SMTP mail server that the email was delivered to for forwarding.

### **SMTPSender**

Data type: String

Read-only

Returns the email address of the user who sent the fax.

### **TerminationStatus**

Data type: TransmissionFaxHistoryTerminationStatusType

Read-only

Returns the transmission status when the transmission is complete. This is one of these values:

- TERMSTAT\_SUCCESSRECV
- TERMSTAT\_TXRXERROR
- TERMSTAT\_UNKNOWN

### **TypeOfHistory**

Data type: FaxHistoryType

Read-only

Retrieves the type of history as a FaxHistoryType object.

### **UserAgent**

Data type: String

Read-only

Returns the type of web browser that was used to download the certified document.

## **TransmissionFaxHistory**

This type of history object is created when a fax is sent or received, even if the transmission is unsuccessful. The base FaxHistory object

has a history type of FaxHistoryTransmission and also contains the following properties.

## **TransmissionFaxHistory methods**

### **SaveToXML**

Saves the fax history to an XML file.

## **TransmissionFaxHistory properties**

### **ANI**

Data type: String

Read-only

Returns the automatic number identification of the recipient's fax, if available.

### **AOCDData**

Data type: Variant

Read-only

Returns the array of change information, if any, about the transmitting modem of the fax. BadPageCount

Data type: Integer

Read-only

Returns the number of pages that were not transmitted successfully.

### **BoardType**

Data type: TransmissionFaxHistoryBoardType enumerated value

Read-only

Returns the type of fax board that was used to transmit the fax. This is one of the valid TransmissionFaxHistoryBoardType enumerated values.



| Numeric equivalent | Name               |
|--------------------|--------------------|
| 1                  | tfhbtBrooktrout    |
| 2                  | tfhbtGammalink     |
| 3                  | tfhbtBrooktroutNew |

**BrooktroutCallResultLineStatus**

Data type: Integer

Read-only

Returns the status of the line for a call. This is only valid if the board used is a Brooktrout board and the board type is tfhbtBrooktroutNew. See the Brooktrout documentation for more details.

**BrooktroutCallResultStatus**

Data type: Integer

Read-only

Returns the status of a call. This is only valid if the board used is a Brooktrout board and the board type is tfhbtBrooktroutNew. See the Brooktrout documentation for more details.

**BrooktroutFaxResultLineStatus**

Data type: Integer

Read-only

Returns the status of the fax line. This is only valid if the board used is a Brooktrout board and the board type is tfhbtBrooktroutNew. See the Brooktrout documentation for more details.

**BrooktroutFaxResultStatus**

Data type: Integer

Read-only

Returns the status of the fax. This is only valid if the board used is a Brooktrout board and the board type is tfhbtBrooktroutNew. See the Brooktrout documentation for more details.

**ChannelUsed**

Data type: Integer

Read-only

Returns the specific channel used to send or receive the fax.

**DateTime**

Data type: Date

Read-only

Retrieves the date and time of the history transaction.

**Description**

Data type: String

Read-only

Retrieves the text history for the record.

**ElapsedTime**

Data type: Integer

Read-only

Returns the time it took in seconds for the transmission.

**FaxNumberSentTo**

Data type: String

Read-only

Returns the fax number that the fax was sent to.

**GammalinkError**

Data type: Integer

Read-only

Returns an error generated by the Gammalink fax board. This is only valid if the board used is a Gammalink board and the board type is `tfhbtGammalink`. See the Gammalink documentation for more details.

### **GoodPageCount**

Data type: Integer

Read-only

Returns the number of pages successfully sent or received.

### **Handle**

Data type: Long

Read-only

Database handle of the FaxHistory object.

### **HangupStatus**

Data type: Integer

Read-only

Returns the status received from the fax board at the end of the transmission.

### **IsANInvalid**

Data type: Boolean

Read-only

Returns True or 1 if the automatic number identification value is valid, False or 0 if it is not valid. See also the ANI property.

### **IsAOCValid**

Data type: Boolean

Read-only

Returns True or 1 if the array of change information is valid, False or 0 if it is not valid. See also the AOCData property.

### **ISDNCauseValue**

Data type: Boolean

Read-only

Returns the value representing the cause of ISDN messages, if any.

### **IsFaxPartiallyRetried**

Data type: Boolean

Read-only

Returns True or 1 if the fax was unsuccessfully retried after a transmission error. It returns False or 0 if no retry took place.

### **IsRemotelySent**

Data type: Boolean

Read-only

Returns True or 1 if the fax was sent by a remote board server and returns False or 0 if it was sent by the local board server.

### **RemoteID**

Data type: String

Read-only

Returns the ID of the remote fax that sent the fax if the `IsRemotelySent` property is set to True or 1.

### **RemoteServer**

Data type: String

Read-only

Returns the remote server that sent the fax if the `IsRemotelySent` property is set to True or 1.

### **TerminationStatus**

Data type: `TransmissionFaxHistoryTerminationStatusType` enumerated value

Read-only

Returns the status of the line when the transmission is complete. This is one of the enumerated values from the following table.

| Numeric equivalent | Name                    |
|--------------------|-------------------------|
| 0x0                | tfhtstSuccessReceive    |
| 0x1                | tfhtstBusy1             |
| 0x2                | tfhtstBusy2             |
| 0x3                | tfhtstReorderBusy       |
| 0x4                | tfhtstRecall            |
| 0x5                | tfhtstConfirm           |
| 0x6                | tfhtstBlocked           |
| 0x8                | tfhtstRing1             |
| 0x9                | tfhtstRing2             |
| 0x10               | tfhtstHuman             |
| 0x11               | tfhtstAnswer            |
| 0x12               | tfhtstDialtone          |
| 0x13               | tfhtstSITDetect         |
| 0x14               | tfhtstSITNOCIR          |
| 0x15               | tfhtstTransmissionError |
| 0x16               | tfhtstHangNoLoopCurrent |
| 0x17               | tfhtstCallColide        |
| 0x18               | tfhtstDialNoLoopCurrent |
| 0x19               | tfhtstRingNoAnswer      |
| 0x20               | tfhtstGroup2Detected    |
| 0x1a               | tfhtstQuiet             |
| 0x1c               | tfhtstFaxMachine        |

| Numeric equivalent | Name             |
|--------------------|------------------|
| 0x21               | tfhtstLocalInUse |
| 0x22               | tfhtstSilence    |
| 0x23               | tfhtstUnknown    |

### TypeOfHistory

Data type: FaxHistoryType

Read-only

Retrieves the type of history as a FaxHistoryType object.

## Chapter 8: Event handling and event objects

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### Using the Event Handler

The RightFax COM API can be set to perform tasks based on events such as when a fax is has completed sending or when a notification message is generated.

#### To utilize the event handler within your application

1. Declare and set the object variables that handle the event during the initialization of the Form.
2. Set the corresponding variable in the Event object that enables the event. For example, to make use of the OnArchiveEvent, set the WatchArchiveEvents property to True in the Event object.
3. Declare one or more functions that are called by the COM API when the event happens.

### Event handling and event objects

#### Using the Event Handler

The RightFax COM API can be set to perform tasks based on events such as when a fax is has completed sending or when a notification message is generated.

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3. Declare one or more functions that are called by the COM API when the event happens.

### Creating a sample project using the event handler

In the following example, a project is created that generates a message whenever a fax has completed sending.

1. To use the event handler within your application first declare the FaxServer and Events objects globally.  

```
Dim WithEvents MyFaxServerEventHandler As _
RFCOMAPILib.FaxServerDim EventsObj As
RFCOMAPILib.Events
```
2. Set the two object variables to handle events. Add the following code to the Form\_Load method of frmMain in your project.  

```
Set MyFaxServerEventHandler = MyFaxServerSet EventsObj =
MyFaxServer.Events
```
3. For this example, set the GenerateCompletionEvent property equal to true for the fax object you create. You should add this code before calling the Send method.

```
oFax.GenerateCompletionEvent = True
```

oFax is the variable for the fax object you are creating.

4. Set the server to automatically generate a CompleteEvent for every completed fax by adding the following code to the Form\_Load method of frmMain.

```
EventsObj.WatchCompleteEvents = True
```

5. Define the action by specifying a function that is called when the specified event occurs. The following example creates a message box containing the status of the fax, and the name of the fax recipient, when the event handler finds a CompleteEvent.

```
Private Sub_MyFaxServerEventHandler_OnCompleteEvent
(ByVal_ NewCompleteEvent As
RFCOMAPILib.CompleteEvent)
```

```
MsgBox "Found new complete event fax! Fax sent to "+_
NewCompleteEvent.Fax.ToName + ". Status = "+_
NewCompleteEvent.Fax.StatusDescription
```

```
End Sub
```

## ArchiveEvent

The ArchiveEvent object is generated when a fax has completed sending. Set the IsArchiveEnable property in the [User](#) object to True in order to archive a fax.

### ArchiveEvent methods

None.

#### See Also

Archive, IsArchiveEnable, WatchArchiveEvents

### ArchiveEvent properties

#### DeleteFax

Data type: Boolean

Read-only

Specifies if the fax will be deleted after it has been archived. True or 1 indicates it will be deleted; False or 0 indicates it will not be deleted.

#### Fax

Data type: Fax

Read-only

Returns the Fax object associated with the Archive event.

#### FaxHandle

Data type: Long

Read-only

Returns the database handle of the Fax object associated with the ArchiveEvent.

#### User

Data type: User

Read-only

Returns the User object associated with the ArchiveEvent.

#### UserID

Data type: String

Read-only

Returns the ID of the User object associated with the ArchiveEvent.

#### See Also

[ArchiveEvent](#) above, IsArchiveEnable, WatchArchiveEvents

## CompleteEvent

The CompleteEvent object is generated when a fax has been sent if the GenerateCompletionEvent property in the Fax object is set to True.

## CompleteEvent methods

None.

### See also:

- GenerateCompletionEvent
- OnCompleteEvent
- WatchCompleteEvents

## CompleteEvent properties

### DeleteFax

Data type: Boolean

Read-only

Specifies whether the fax will be deleted after it has been completed. True or 1 indicates it is deleted; False or 0 indicates it is not deleted.

### Fax

Data type: Fax

Read-only

Returns the Fax object associated with the fired Complete event.

### FaxHandle

Data type: Long

Read-only

Returns the database handle of the Fax object associated with the fired Complete event.

### NotifyChannel

Data type: Integer

Read-only

Returns the notification channel.

### User

Data type: [User](#)

Read-only

Returns the User object associated with the fired Complete event.

### UserID

Data type: String

Read-only

Returns the ID of the User object associated with the fired Complete event.

## Events

The Events object controls which events get watched, dispatches found events, and retrieves events from the queue if available.

## Events methods

None.

### See also:

- ArchiveEvent
- CompleteEvent,
- Events (property in the FaxServer object)
- MessageEvent
- ValidateEvent

## Events properties

### Archive

Data type: ArchiveEvent

Read-only

Retrieves an Archive event from the queue if available.

### **Complete**

Data type: CompleteEvent

Read-only

Retrieves a Complete event from the queue if available.

### **Interval**

Data type: Long

Read/Write

Specifies the time in seconds to wait before checking the event queue.

### **Message**

Data type: MessageEvent

Read-only

Retrieves a Message event from the queue if available.

### **MessageRoute**

Data type: MessageRouteEvent

Read-only

Retrieves a MessageRouteEvent from the queue, if available.

### **Validate**

Data type: ValidateEvent

Read-only

Retrieves a Validate event from the queue if available.

### **WatchArchiveEvents**

Data type: Boolean

Read-only

Specifies whether to check for Complete events. True or 1 checks for Complete events; False or 0 does not.

### **WatchCompleteEvents**

Data type: Boolean

Read-only

This Boolean property specifies whether to check for Complete events. True or 1 checks for Complete events; False or 0 does not.

### **WatchMessageEvents**

Data type: Boolean

Read-only

This Boolean property specifies whether to check for Message events. True or 1 checks for Message events; False or 0 does not.

### **WatchMessageRouteEvents**

Data type: Boolean

Read-only

This Boolean property specifies whether to check for Message Route events. True or 1 checks for Message Route events; False or 0 does not.

### **WatchNewFaxes**

Data type: Boolean

Read-only

This Boolean property specifies whether to watch for new faxes for a specific user. You must pass the User object as well as the Boolean value. True or 1 indicates the queue for the user is checked; False or 0 indicates it does not.

### **WatchValidateEvents**

Data type: Boolean

Read-only

Specifies whether to check for Validate events. True or 1 checks for Validate events; False or 0 does not.

**Example** The following code sets up the event handler to watch for archive events.

```
Private Sub Form_Load ()
 'Set Up Event Handler
 Set MyFaxServerEventHandler = MyFaxServer
 SetEventsObj=MyFaxServer.Events
 EventsObj.WatchArchiveEvents = True

EndSub
```

## MessageEvent

A MessageEvent is generated when the user needs to be notified that something important happened to the fax. For example, if the user has the property SendNotifyOnSentSuccessfully set to True, a message is generated when a fax is sent successfully.

### MessageEvent methods

None.

#### See also:

OnMessageEvent, SendNotifyOnIncompleteFirstTime, SendNotifyOnIncompletePeriodically, SendNotifyOnNoHoldForPreview, SendNotifyOnSendFailedWillRetry, SendNotifyOnSendFailure, SendNotifyOnSendingFirstTime, SendNotifyOnSendingPeriodically, SendNotifyOnSentSuccessfully, WatchMessageEvents

### MessageEvent properties

#### DeleteFax

Data type: Boolean

Read-only

Specifies whether the fax will be deleted after the message has been sent. True or 1 indicates it is deleted; False or 0 indicates it is not deleted.

#### Fax

Data type: Fax

Read-only

Returns the Fax object associated with the fired Message event.

#### FaxHandle

Data type: Long

Read-only

Returns the database handle of the Fax object associated with the fired Message event.

#### MessageEventType

Data type: MessageEventType enumerated value

Read-only

Returns the type of message generated. This is one of the valid MessageEventType enumerated values.

| Numeric equivalent | Name               |
|--------------------|--------------------|
| 0                  | meNetworkBroadcast |
| 1                  | meCustom1          |
| 2                  | meCustom2          |
| 3                  | meCustom3          |
| 4                  | meCustom4          |
| 5                  | meCustom5          |
| 6                  | meCustom6          |
| 7                  | meCustom7          |
| 8                  | meCustom8          |
| 9                  | meCustom9          |



| Numeric equivalent | Name       |
|--------------------|------------|
| 10                 | meCCMail   |
| 11                 | meMSMail   |
| 13                 | meTRS      |
| 14                 | meCX3      |
| 15                 | mePager    |
| 16                 | meNotes    |
| 17                 | meExchange |
| 18                 | meSMTP     |
| 65535              | meAll      |

**MessageText**

Data type: String

Read-only

Returns the text of the notification.

**User**

Data type: User

Read-only

Returns the User object associated with the fired MessageEvent.

**UserID**

Data type: String

Read-only

Returns the ID of the User object associated with the fired MessageEvent.

## MessageRouteEvent

A MessageRouteEvent is generated when the user needs to have a fax routed into an external mail system.

### MessageRouteEvent methods

None.

**See also:**

OnMessageEvent, SendNotifyOnIncompleteFirstTime, SendNotifyOnIncompletePeriodically, SendNotifyOnNoHoldForPreview, SendNotifyOnSendFailedWillRetry, SendNotifyOnSendFailure, SendNotifyOnSendingFirstTime, SendNotifyOnSendingPeriodically, SendNotifyOnSentSuccessfully, WatchMessageEvents

### MessageRouteEvent properties

**AutoPrintRequest**

Data type: PrintRequest

Read-only

This property specifies a PrintRequest object.

**DeleteFax**

Data type: Boolean

Read-only

Specifies whether the fax will be deleted after the message has been sent. True or 1 indicates it is deleted; False or 0 indicates it is be deleted.

**DestinationMailAddress**

Data type: String

Read-only

Email address of the recipient user. This is unique to each mail system.

**Fax**

Data type: Fax

Read-only

Returns the Fax object associated with the fired Message event.

**FaxHandle**

Data type: Long

Read-only

Returns the database handle of the Fax object associated with the fired Message event.

**ImageFormat**

Data type: UserRouteFormatType enumerated value

Read-only

The file format of the document. This is one of the valid UserRouteFormatType enumerated values.

| Numeric equivalent | Name                 |
|--------------------|----------------------|
| 0                  | urfDCX               |
| 1                  | urfPCX               |
| 2                  | urfTiffGroup3        |
| 3                  | urfTiffGroup4        |
| 4                  | urfGIF               |
| 5                  | urfPDF               |
| 6                  | urfPDFWithThumbnails |
| 7                  | urfCPC               |
| 8                  | urfRFX               |
| 9                  | urfPNG               |

**MessageRouteEventType**

Data type: MessageRouteEventType enumerated value

Read-only

Returns the type of message generated. This is one of the valid MessageRouteEventType enumerated values.

| Numeric equivalent | Name        |
|--------------------|-------------|
| 1                  | mreTRS      |
| 2                  | mreCX3      |
| 3                  | mreNotes    |
| 4                  | mreExchange |
| 5                  | mreCXINTF   |
| 6                  | mreSMTP     |
| 7                  | mreSAP1     |
| 8                  | mreSAP2     |
| 9                  | mreSAP3     |
| 10                 | mreSAP4     |
| 11                 | mreINL      |
| 12                 | mreINL2     |
| 13                 | mreSAP5     |
| 14                 | mreSAP6     |
| 15                 | mreSAP7     |
| 16                 | mreSAP8     |
| 17                 | mreSAP9     |
| 18                 | mreSAP10    |
| 19                 | mreSAP11    |

| Numeric equivalent | Name         |
|--------------------|--------------|
| 20                 | mreSAP12     |
| 21                 | mreSAP13     |
| 22                 | mreSAP14     |
| 23                 | mreSAP15     |
| 24                 | mreINLDel    |
| 25                 | mreAutoReply |

**MessageText**

Data type: String

Read-only

Returns the text of the message.

**User**

Data type: User

Read-only

Returns the User object associated with the fired MessageRouteEvent.

**UserID**

Data type: String

Read-only

Returns the ID of the User object associated with the fired MessageRouteEvent.

## ValidateEvent

A ValidateEvent object is generated when NeedsFaxesApproved is True in the User object.

## ValidateEvent methods

None.

**See also:**

OnValidateEvent, ValidateBillingCodes, WatchValidateEvents

## ValidateEvent properties

**BillingCode**

Data type: BillingCode

Read-only

Returns the billing code associated with the fax, if any.

**Fax**

Data type: Fax

Read-only

Returns the Fax object associated with the fired Validate event.

**FaxHandle**

Data type: Long

Read-only

Returns the database handle of the Fax object associated with the fired Validate event.

**ToFaxNumber**

Data type: String

Read-only

Returns the destination fax number.

**User**

Data type: User

Read-only

Returns the User object associated with the fired Validate event.

**UserID**

Data type: String

Read-only

Returns the ID of the User object associated with the fired Validate event.

## Chapter 9: Statistics

### FaxServer statistics properties

#### ServerName

Data type: String  
Read-Only

Specifies the name of the fax server whose statistics are reflected here.

#### FsActRecords

Data type: Long  
Read-only

Number of activity events recorded.

#### FsEventsProcessed

Data type: Long  
Read-only

Number of server events processed.

#### FsFlags

Data type: FaxServerStatFlags  
Read-Only

Flags indicating FaxServer values to be updated. Combine the following flags to represent the statistics to query on the next refresh.

| Value      | Flag                              | Description                                            |
|------------|-----------------------------------|--------------------------------------------------------|
| 0x00000001 | statFsNewestActIndex              | Latest activity event index recorded.                  |
| 0x00000002 | statFsInfoVersion                 | Information version                                    |
| 0x00000004 | statFsSecondsUp                   | Seconds the Fax Server has been up.                    |
| 0x00000008 | statFsMaximumEvents               | Maximum number of events that can fit in server queue. |
| 0x00000010 | statFsNumberEvents                | Number of events in server queue.                      |
| 0x00000020 | statFsEventsProcessed             | Number of server events processed                      |
| 0x00000040 | statFsActRecords                  | Number of activity events recorded.                    |
| 0x00000080 | statFsPercentAvailable ImageSpace | Percentage of disk space available on Image drive.     |
| 0x00000100 | statFsPercentAvailable DBSpace    | Percentage of disk space available on Database drive.  |
| 0x00000200 | statFsActivity                    | Fax Server activity.                                   |
| 0x00000400 | statFsScheduleQueueDepth          | Number of documents queued for transmission.           |

| Value      | Flag                   | Description                   |
|------------|------------------------|-------------------------------|
| 0x00000800 | statFsStatusQueueDepth | Pending transmission records. |

**FsInfoVersion**

Data type: short

Read-only

Information version.

**FsMaximumEvents**

Data type: Long

Read-only

Maximum number of events that can fit in server queue.

**FsNewestActIndex**

Data type: Short

Read-only

Latest activity event index recorded.

**FsNumberEvents**

Data type: Long

Read-only

Number of events in server queue.

**FsPercentAvailableDBSpace**

Data type: Short

Read-only

Percentage of disk space available on Database drive.

**FsPercentAvailableImageSpace**

Data type: Short

Read-only

Percentage of disk space available on Image drive.

**FsSecondsUp**

Data type: long

Read-only

Seconds the Fax Server has been up.

**FS ScheduleQueueDepth**

Data type: long

Read-only

Documents queued for transmission.

**FS StatusQueueDepth**

Data type: long

Read-only

Status records queued for transmission.

## Statistics

### FaxServer statistics properties

**ServerName**

Data type: String

Read-Only

Specifies the name of the fax server whose statistics are reflected here.

**FsActRecords**

Data type: Long

Read-only

Number of activity events recorded.

**FsEventsProcessed**

Data type: Long

Read-only

Number of server events processed.

### FsFlags

Data type: FaxServerStatFlags

Read-Only

Flags indicating FaxServer values to be updated. Combine the following flags to represent the statistics to query on the next refresh.

| Value      | Flag                             | Description                                            |
|------------|----------------------------------|--------------------------------------------------------|
| 0x00000001 | statFsNewestActIndex             | Latest activity event index recorded.                  |
| 0x00000002 | statFsInfoVersion                | Information version                                    |
| 0x00000004 | statFsSecondsUp                  | Seconds the Fax Server has been up.                    |
| 0x00000008 | statFsMaximumEvents              | Maximum number of events that can fit in server queue. |
| 0x00000010 | statFsNumberEvents               | Number of events in server queue.                      |
| 0x00000020 | statFsEventsProcessed            | Number of server events processed                      |
| 0x00000040 | statFsActRecords                 | Number of activity events recorded.                    |
| 0x00000080 | statFsPercentAvailableImageSpace | Percentage of disk space available on Image drive.     |
| 0x00000100 | statFsPercentAvailableDBSpace    | Percentage of disk space available on Database drive.  |
| 0x00000200 | statFsActivity                   | Fax Server activity.                                   |
| 0x00000400 | statFsScheduleQueueDepth         | Number of documents queued for transmission.           |
| 0x00000800 | statFsStatusQueueDepth           | Pending transmission records.                          |

### FsInfoVersion

Data type: short

Read-only

Information version.

### FsMaximumEvents

Data type: Long

Read-only

Maximum number of events that can fit in server queue.

### FsNewestActIndex

Data type: Short

Read-only

Latest activity event index recorded.

### FsNumberEvents

Data type: Long

Read-only

Number of events in server queue.

### FsPercentAvailableDBSpace

Data type: Short

Read-only

Percentage of disk space available on Database drive.

### FsPercentAvailableImageSpace

Data type: Short

Read-only

Percentage of disk space available on Image drive.

### FsSecondsUp

Data type: long

Read-only

Seconds the Fax Server has been up.

### FS ScheduleQueueDepth

Data type: long

Read-only

Documents queued for transmission.

### FS StatusQueueDepth

Data type: long

Read-only

Status records queued for transmission.

## Board statistics properties

### BrdChannelIndex

Data Type: Long

Read/Write

0-based channel index to define channel to query for other Board Server calls.

### Brd1CanDo

Data Type: Brd1CanDo

Read-only

Lists Board 1 authorized tasks. Requires a 0-based channel index at BrdChannelIndex. Values for Brd1CanDo and DT1CanDo:

| Numeric equivalent | Enumerated value     |
|--------------------|----------------------|
| 0                  | brdcdReservedChannel |
| 1                  | brdcdDialOnly        |
| 2                  | brdcdAnswerOnly      |
| 3                  | brdcdDial_Answer     |

| Numeric equivalent | Enumerated value         |
|--------------------|--------------------------|
| 4                  | brdcdVoiceMailNotifyOnly |
| 5                  | brdcdDial_w_VMNotify     |
| 6                  | brdcdAnswer_w_VMNotify   |
| 7                  | brdcdBoth_w_VMNotify     |

### Brd1ChnType

Data type: Brd1ChnTypeVals

Read-only

Board 1 channel type. Requires a 0-based channel index at BrdChannelIndex. Values for Brd1ChnType and DT1ChnType:

| Numeric equivalent | Enumerated value |
|--------------------|------------------|
| 0                  | brdctLoopStart   |
| 1                  | brdctDID_Digital |

### Brd1CurrentCompression

Data type: Brd1CurrentCompressionVals

Read-only

Requires a 0-based channel index at BrdChannelIndex. Values for Brd1CurrentCompression and DT1CurrentCompression.

| Numeric equivalent | Enumerated value  |
|--------------------|-------------------|
| 0                  | brdccNotAvailable |
| 1                  | brdccMHGroup3_1D  |
| 2                  | brdccMRGroup2_2D  |
| 3                  | brdccMMRGroup4    |

### Brd1CurrentPage

Data type: Long



Read-only

Board 1 current page. Requires a 0-based channel index at BrdChannelIndex.

### Brd1CurrentRate

Data type: Brd1CurrentRateVals

Read-only

Current rate. Requires a 0-based channel index at BrdChannelIndex. Values for Brd1CurrentRate and DT1CurrentRate.

| Numeric equivalent | Enumerated value  |
|--------------------|-------------------|
| 0                  | brdcrNotAvailable |
| 1                  | brdcr2400bpsV27   |
| 2                  | brdcr4800bpsV27   |
| 3                  | brdcr7200bpsV29   |
| 4                  | brdcr9600bpsV29   |
| 5                  | brdcr7200bpsV17   |
| 6                  | brdcr9600bpsV17   |
| 7                  | brdcr12000bpsV17  |
| 8                  | brdcr14400bpsV17  |
| 9                  | brdcr12000bpsV33  |
| 10                 | brdcr14400bpsV33  |

### Brd1CurrentRemoteID

Data type: String

Read-only

Current remote ID. Requires a 0-based channel index at BrdChannelIndex.

### Brd1DODing

Data type: Brd1DODingVals

Read-only

Indicates when the board uses Docs On Demand. Requires a 0-based channel index at BrdChannelIndex. Values for Brd1DODing and DT1DODing."

| Numeric equivalent | Enumerated value       |
|--------------------|------------------------|
| 0                  | brddNothing_Idle       |
| 1                  | brddExecuting_FOD_Call |

### Brd1EstMinutesLeft

Data type: Short

Read-only

Estimated minutes left. Requires a 0-based channel index at BrdChannelIndex.

### Brd1FaxesGrouped

Data type: Long

Read-only

Faxes grouped. Requires a 0-based channel index at BrdChannelIndex.

### Brd1Flags

Data type: Board1ServerStatFlags

Read/Write

Flags indicating Board Server values to be updated. Combine the following flags to represent the statistics to query on the next refresh.

| Value      | Flag                   | Description                  |
|------------|------------------------|------------------------------|
| 0x00000001 | statBrd1InfoVersion    | Board 1 Information Version. |
| 0x00000002 | statBrd1SecondsUp      | Seconds up.                  |
| 0x00000004 | statBrd1ValidChannels  | Valid channels.              |
| 0x00000008 | statBrd1SendQueueDepth | Send queue depth.            |

| Value      | Flag                          | Description                                               |
|------------|-------------------------------|-----------------------------------------------------------|
| 0x00000010 | statBrd1SendPagesDepth        | Send pages depth.                                         |
| 0x00000020 | statBrd1CurrentLoad           | Current load                                              |
| 0x00000040 | statBrd1CrtChnType            | Channel type.                                             |
| 0x00000080 | statBrd1CrtCanDo              | Lists Board 1 authorized tasks.                           |
| 0x00000100 | statBrd1CrtRoutingCode        | Routing Code.                                             |
| 0x00000200 | statBrd1CrtState              | State.                                                    |
| 0x00000400 | statBrd1CrtCurrentPage        | Current page.                                             |
| 0x00000800 | statBrd1CrtTotalPagesSent     | Total pages sent.                                         |
| 0x00001000 | statBrd1CrtTotalPagesRcvd     | Total pages received.                                     |
| 0x00002000 | statBrd1CrtTotalCallsAnsw     | Total calls answered.                                     |
| 0x00004000 | statBrd1CrtTotalCallsPlcd     | Total calls placed.                                       |
| 0x00008000 | statBrd1CrtTotalHangups       | Total hangups.                                            |
| 0x00010000 | statBrd1CrtROMID              | ROM ID                                                    |
| 0x00020000 | statBrd1CrtCurrentRemoteID    | Current remote ID.                                        |
| 0x00040000 | statBrd1CrtSending            | Sending.                                                  |
| 0x00080000 | statBrd1CrtTUIing             | Indicates when the board uses a telephone user interface. |
| 0x00100000 | statBrd1CrtReceiving          | Receiving.                                                |
| 0x00200000 | statBrd1CrtDODing             | Indicates when the board uses Docs On Demand.             |
| 0x00400000 | statBrd1CrtGroupThresholdLeft | Group threshold left.                                     |
| 0x00800000 | statBrd1CrtFaxesGrouped       | Faxes grouped.                                            |
| 0x01000000 | statBrd1CrtTicksOffHook       | Number of ticks off hook.                                 |

| Value      | Flag                          | Description                |
|------------|-------------------------------|----------------------------|
| 0x02000000 | statBrd1CrtPagesInCall        | Number of pages in call.   |
| 0x04000000 | statBrd1CrtCurrentRate        | Current rate.              |
| 0x08000000 | statBrd1CrtCurrentCompression | Current compression.       |
| 0x10000000 | statBrd1CrtEstMinutesLeft     | Estimate minutes left.     |
| 0x20000000 | statBrd1CrtReserved           | Reserved.                  |
| 0x40000000 | statBrd1CrtSIPhoneNum         | Server index phone number. |
| 0x80000000 | statBrd1CrtSIUserID           | Server index user ID.      |

### Brd1GroupThresholdLeft

Data type: Long

Read-only

Group threshold left. Requires a 0-based channel index at BrdChannelIndex.

### Brd1PagesInCall

Data type: Short

Read-only

Number of pages in call. Requires a 0-based channel index at BrdChannelIndex.

### Brd1Receiving

Data type: Brd1ReceivingVals

Read-only

Receiving status for Board 1. Requires a 0-based channel index at BrdChannelIndex. Values for Brd1Receiving and DT1Receiving.

| Numeric equivalent | Enumerated value       |
|--------------------|------------------------|
| 0                  | brdrNothing_Idle       |
| 1                  | brdrAnswer_and_receive |

**Brd1ROMID**

Data type: String

Read-only

ID for the ROM. Requires a 0-based channel index at BrdChannelIndex.

**Brd1RoutingCode**

Data type: Long

Read-only

Board 1 Routing Code. Requires a 0-based channel index at BrdChannelIndex.

**Brd1Sending**

Data type: Brd1SendingVals

Read-only

Sending status of Board 1. Requires a 0-based channel index at BrdChannelIndex. Values for Brd1Sending and DT1Sending:

| Numeric equivalent | Enumerated value  |
|--------------------|-------------------|
| 0                  | brdsNothing_Idle  |
| 1                  | brdsDial_and_Send |

**Brd1SIPhoneNum**

Data type: String

Read-only

Phone Number. Requires a 0-based channel index at BrdChannelIndex.

**Brd1SIUserID**

Data type: String

Read-only

User ID. Requires a 0-based channel index at BrdChannelIndex.

**Brd1State**

Data type: String

Read-only

Board 1 State. Requires a 0-based channel index at BrdChannelIndex,

**Brd1TicksOffHook**

Data type: Long

Read-only

Number of ticks off hook. Requires a 0-based channel index at BrdChannelIndex.

**Brd1TotalCallsAnswered**

Data type: Long

Read-only

Total number of calls answered. Requires a 0-based channel index at BrdChannelIndex.

**Brd1TotalCallsPlaced**

Data type: Long

Read-only

Total number of calls placed. Requires a 0-based channel index at BrdChannelIndex.

**Brd1TotalHangups**

Data type: Long

Read-only

Total number of hangups. Requires a 0-based channel index at BrdChannelIndex

**Brd1TotalPagesSent**

Data type: Long  
Read-only

Total number of pages sent. Requires a 0-based channel index at BrdChannelIndex.

### Brd1TotalPagesRcvd

Data type: Long  
Read-only

Total number of pages received. Requires a 0-based channel index at BrdChannelIndex.

### Brd1TUIing

Data type: Brd1TUIingVals  
Read-only

Indicates when the board uses a telephone user interface (TUI). Requires a 0-based channel index at BrdChannelIndex. Values for Brd1TUIing and DT1TUIing:

| Numeric equivalent | Enumerated value               |
|--------------------|--------------------------------|
| 0                  | brdtNothing_Idle               |
| 1                  | brdtExecuting_TeleConnect_Call |

### Brd2SIBillInfo1

Data type: String  
Read-only

Billing info 1. Requires a 0-based channel index at BrdChannelIndex.

### Brd2SIBillInfo2

Data type: String  
Read-only

Billing info 2. Requires a 0-based channel index at BrdChannelIndex.

### Brd2CurrentOp

Data type: Brd1CurrentOpVals  
Read-only

Current operation. Requires a 0-based channel index at BrdChannelIndex. Values for Brd2CurrentOp and DT2CurrentOp.

| Numeric equivalent | Enumerated value |
|--------------------|------------------|
| 0                  | coIdle           |
| 1                  | coSend           |
| 2                  | coWaitForConnect |
| 3                  | coReceive        |
| 4                  | coTUI            |
| 5                  | coDOD            |
| 6                  | coQueryStatus    |
| 7                  | coVMNotify       |
| 8                  | coStatus         |

### Brd2Flags

Data type: Board2ServerStatFlags  
Read/Write

Flags indicating Board Server values to be updated. Combine the following flags to represent the statistics to query on the next refresh.

| Value      | Flag                    | Description      |
|------------|-------------------------|------------------|
| 0x00000001 | statBrd2CrtSIPagesInFax | Pages in fax.    |
| 0x00000002 | statBrd2CrtSIPagesDone  | Pages completed. |
| 0x00000004 | statBrd2CrtSIToName     | To Name.         |
| 0x00000008 | statBrd2CrtSIToCompany  | To Company.      |
| 0x00000010 | statBrd2CrtSIBillInfo1  | Billing Info 1.  |
| 0x00000020 | statBrd2CrtSIBillInfo2  | Billing Info 2.  |

| Value      | Flag                    | Description        |
|------------|-------------------------|--------------------|
| 0x00000040 | statBrd2CrtSISecureCSID | Secure CSID        |
| 0x00000080 | statBrd2CrtSIUniqueID   | Unique ID.         |
| 0x00000100 | statBrd2CrtCurrentOp    | Current operation. |

**Brd2SIPagesDone**

Data type: Short

Read-only

Number of pages completed. Requires a 0-based channel index at BrdChannelIndex.

**Brd2SIPagesInFax**

Data type: Short

Read-only

Number of pages in fax. Requires a 0-based channel index at BrdChannelIndex.

**Brd2SIToCompany**

Data type: String

Read-only

To company. Requires a 0-based channel index at BrdChannelIndex.

**Brd2SIToName**

Data type: String

Read-only

To name. Requires a 0-based channel index at BrdChannelIndex.

**Brd2SISecureCSID**

Data type: String

Read-only

Secure CSID. Requires a 0-based channel index at BrdChannelIndex.

**Brd2SIUniqueID**

Data type: String

Read-only

Unique ID. Requires a 0-based channel index at BrdChannelIndex.

**Fax server board statistics properties****FSBrdsFlags**

Data type: FSBoardStatFlags

Read/Write

Flags to be combined to represent the statistics to query on the next refresh.

| Value      | Flag                      | Description                    |
|------------|---------------------------|--------------------------------|
| 0x00000001 | statFSBrdsInfoVersion     | Info version                   |
| 0x00000002 | statFSBrdsBrdServerCount  | Server count                   |
| 0x00000004 | statFSBrdsMachineName     | Machine name                   |
| 0x00000008 | statFSBrdsCmdPipeName     | Command pipe name              |
| 0x00000010 | statFSBrdsImageDir        | Image directory                |
| 0x00000020 | statFSBrdsBFTDir          | Binary file transfer directory |
| 0x00000040 | statFSBrdsQueueDepthPages | Queue depth (in pages)         |
| 0x00000080 | statFSBrdsQueueDepthFaxes | Queue depth (in Faxes)         |
| 0x00000100 | statFSBrdsNumChannels     | Number of channels             |
| 0x00000200 | statFSBrdsDown            | Boards down                    |
| 0x00000400 | statFSBrdsDownTime        | Total down time                |
| 0x00000800 | statFSBrdsDownError       | Down error                     |
| 0x00001000 | statFSBrdsLocal           | Local boards                   |

| Value      | Flag                     | Description     |
|------------|--------------------------|-----------------|
| 0x00002000 | statFSBrdsBrdSrvUniqueID | Unique ID       |
| 0x00004000 | statFSBrdsCurrentLoad    | Current load    |
| 0x00008000 | statFSBrdsLoadTimeStamp  | Load time stamp |

**FSBrdsInfoVersion**

Data type: short

Read-only

Returns the version number of the Fax Server Board information.

**FSBrdsBrdServerCount**

Data type: short

Read-only

Number of Board servers.

**FSBrdsMachineName**

Data type: String

Read-only

Machine name.

**FSBrdsCmdPipeName**

Data type: String

Read-only

Command pipe name.

**FSBrdsImageDir**

Data type: String

Read-only

Path of the image directory.

**FSBrdsBFTDir**

Data type: String

Read-only

Returns the path of the binary file transfer directory.

**FSBrdsQueueDepthPages**

Data type: long

Read-only

Fax Server queue depth in number of pages.

**FSBrdsQueueDepthFaxes**

Data type: long

Read-only

Fax Server queue depth in number of faxes.

**FSBrdsNumChannels**

Data type: short

Read-only

This value returns 1 when boards are in simulation. For actual simulation channels, use Brd1ValidChannels instead.]

**FSBrdsDown**

Data type: short

Read-only

Boards down.

**FSBrdsDownTime**

Data type: long

Read-only

Total down time.

**FSBrdsDownError**

Data type: long

Read-only

Down error.

**FSBrdsLocal**

Data type: short  
Read-only

Local.

**FSBrdsBrdSrvUniqueID**

Data type: long  
Read-only

Board server unique ID.

**FSBrdsCurrentLoad**

Data type: long  
Read-only

Current load.

**FSBrdsLoadTimeStamp**

Data type: long  
Read-only

Load time stamp.

**Activity log statistics properties****ActLogFlags**

Data type: ActLogStatFlags  
Read/Write

Flags to be combined to represent the statistics to query on the next refresh.

| Value      | Flag                       |
|------------|----------------------------|
| 0x00000001 | statActLogCounterStartDate |
| 0x00000002 | statActLogPagesSent        |
| 0x00000004 | statActLogFaxesSent        |

| Value      | Flag                |
|------------|---------------------|
| 0x00000008 | statActLogPagesRcvd |
| 0x00000010 | statActLogFaxesRcvd |

**ActLogCounterStartDate**

Data type: long  
Read-only

Counter start date.

**ActLogPagesSent**

Data type: long  
Read-only

Number of pages sent.

**ActLogFaxesSent**

Data type: long  
Read-only

Number of faxes sent.

**ActLogPagesRcvd**

Data type: long  
Read-only

Number of pages received.

**ActLogFaxesRcvd**

Data type: long  
Read-only

Number of faxes received.

**FSBrdsServerIndex**

Data type: long  
Read/Write

0-based index of boardsrv to retrieve for FSBrd calls.

## DocTransport statistics properties

### DocTransport1ServerStatFlags

Data type: DocTransport1ServerStatFlags

Read/Write

Flags to be combined to represent the DocTransport statistics to query on the next refresh.

| Value      | Flag                      |
|------------|---------------------------|
| 0x00000001 | statDT1InfoVersion        |
| 0x00000002 | statDT1SecondsUp          |
| 0x00000004 | statDT1ValidChannels      |
| 0x00000008 | statDT1TBD1               |
| 0x00000010 | statDT1TBD2               |
| 0x00000020 | statDT1TBD3               |
| 0x00000040 | statDT1CrtChnType         |
| 0x00000080 | statDT1CrtCanDo           |
| 0x00000100 | statDT1CrtRoutingCode     |
| 0x00000200 | statDT1CrtState           |
| 0x00000400 | statDT1CrtCurrentPage     |
| 0x00000800 | statDT1CrtTotalPagesSent  |
| 0x00001000 | statDT1CrtTotalPagesRcvd  |
| 0x00002000 | statDT1CrtTotalCallsAnsw  |
| 0x00004000 | statDT1CrtTotalCallsPlcd  |
| 0x00008000 | statDT1CrtTotalHangups    |
| 0x00010000 | statDT1CrtROMID           |
| 0x00020000 | statDT1CrtCurrentRemoteID |

| Value      | Flag                         |
|------------|------------------------------|
| 0x00040000 | statDT1CrtSending            |
| 0x00080000 | statDT1CrtTUling             |
| 0x00100000 | statDT1CrtReceiving          |
| 0x00200000 | statDT1CrtDODing             |
| 0x00400000 | statDT1CrtGroupThresholdLeft |
| 0x00800000 | statDT1CrtFaxesGrouped       |
| 0x01000000 | statDT1CrtTicksOffHook       |
| 0x02000000 | statDT1CrtPagesInCall        |
| 0x04000000 | statDT1CrtCurrentRate        |
| 0x08000000 | statDT1CrtCurrentCompression |
| 0x10000000 | statDT1CrtEstMinutesLeft     |
| 0x20000000 | statDT1CrtReserved           |
| 0x40000000 | statDT1CrtSIPhoneNum         |
| 0x80000000 | statDT1CrtSIUserID           |

### DT1InfoVersion

Data type: Short

Read-only

Info version.

### DT1SecondsUp

Data type: Long

Read-only

Number of seconds DocTransport has been up.

### DT1ValidChannels

Data type: Short

Read-only



Valid channels.

### DT1TBD1

Data type: Long  
Read-only

For future use.

### DT1TBD2

Data type: Long  
Read-only

For future use.

### DT1TBD3

Data type: Long  
Read-only

For future use.

### DT1ChnType

Data type: Brd1ChnTypeVals  
Read-only

Channel type. Requires a 0-based channel index at DTChannelIndex. Values for DT1ChnType are the same as for Brd1ChnType:

| Numeric equivalent | Enumerated value |
|--------------------|------------------|
| 0                  | brdctLoopStart   |
| 1                  | brdctDID_Digital |

### DT1CanDo

Data type: Brd1CanDoVals  
Read-only

Lists DocTransport 1 authorized tasks. Requires a 0-based channel index at DTChannelIndex. Values for DT1CanDo are the same as for Brd1CanDo:

| Numeric equivalent | Enumerated value         |
|--------------------|--------------------------|
| 0                  | brdcdReservedChannel     |
| 1                  | brdcdDialOnly            |
| 2                  | brdcdAnswerOnly          |
| 3                  | brdcdDial_Answer         |
| 4                  | brdcdVoiceMailNotifyOnly |
| 5                  | brdcdDial_w_VMNotify     |
| 6                  | brdcdAnswer_w_VMNotify   |
| 7                  | brdcdBoth_w_VMNotify     |

### DT1RoutingCode

Data type: Long  
Read-only

Routing code. Requires a 0-based channel index at DTChannelIndex.

### DT1State

Data type: String  
Read-only

State. Requires a 0-based channel index at DTChannelIndex.

### DT1CurrentPage

Data type: Long  
Read-only

Current page. Requires a 0-based channel index at DTChannelIndex.

### DT1TotalPagesSent

Data type: Long  
Read-only

Total pages sent. Requires a 0-based channel index at DTChannelIndex.

### **DT1TotalPagesRcvd**

Data type: Long  
Read-only

Total pages received. Requires a 0-based channel index at DTChannelIndex.

### **DT1TotalCallsAnswered**

Data type: Long  
Read-only

Total calls answered. Requires a 0-based channel index at DTChannelIndex.

### **DT1TotalCallsPlaced**

Data type: Long  
Read-only

Total calls placed. Requires a 0-based channel index at DTChannelIndex.

### **DT1TotalHangups**

Data type: Long  
Read-only

Total hangups. Requires a 0-based channel index at DTChannelIndex.

### **DT1ROMID**

Data type: String  
Read-only

ROM ID. Requires a 0-based channel index at DTChannelIndex.

### **DT1CurrentRemoteID**

Data type: String  
Read-only

Remote ID. Requires a 0-based channel index at DTChannelIndex.

### **DT1Sending**

Data type: Brd1SendingVals  
Read-only

Sending status. Requires a 0-based channel index at DTChannelIndex. Values for DT1Sending are the same as for Brd1Sending:

| Numeric equivalent | Enumerated value  |
|--------------------|-------------------|
| 0                  | brdsNothing_Idle  |
| 1                  | brdsDial_and_Send |

### **DT1TUIing**

Data type: Brd1TUIingVals  
Read-only

Indicates when the board uses a telephone user interface. Requires a 0-based channel index at DTChannelIndex. Values for DT1TUIing are the same as for Brd1TUIing.

| Numeric equivalent | Enumerated value               |
|--------------------|--------------------------------|
| 0                  | brdtNothing_Idle               |
| 1                  | brdtExecuting_TeleConnect_Call |

### **DT1Receiving**

Data type: Brd1ReceivingVals  
Read-only

Requires a 0-based channel index at DTChannelIndex. Values for DT1Receiving are the same as for Brd1Receiving.

| Numeric equivalent | Enumerated value       |
|--------------------|------------------------|
| 0                  | brdrNothing_Idle       |
| 1                  | brdrAnswer_and_receive |

### DT1DODing

Data type: Brd1DODingVals  
Read-only

Indicates when DocTransport uses Docs On Demand. Requires a 0-based channel index at DTChannelIndex. Values for DT1DODing are the same as for Brd1DODing.

| Numeric equivalent | Enumerated value       |
|--------------------|------------------------|
| 0                  | brddNothing_Idle       |
| 1                  | brddExecuting_FOD_Call |

### DT1GroupThresholdLeft

Data type: long  
Read-only

Group threshold remaining. Requires a 0-based channel index at DTChannelIndex.

### DT1FaxesGrouped

Data type: Long  
Read-only

Faxes grouped. Requires a 0-based channel index at DTChannelIndex.

### DT1TicksOffHook

Data type: Long  
Read-only

Number of ticks off hook. Requires a 0-based channel index at DTChannelIndex.

### DT1PagesInCall

Data type: Short  
Read-only

Pages in call. Requires a 0-based channel index at DTChannelIndex.

### DT1CurrentRate

Data type: Brd1CurrentRateVals  
Read-only

Current rate. Requires a 0-based channel index at DTChannelIndex. Values for DT1CurrentRate are the same as for Brd1CurrentRate.

| Numeric equivalent | Enumerated value  |
|--------------------|-------------------|
| 0                  | brdcrNotAvailable |
| 1                  | brdcr2400bpsV27   |
| 2                  | brdcr4800bpsV27   |
| 3                  | brdcr7200bpsV29   |
| 4                  | brdcr9600bpsV29   |
| 5                  | brdcr7200bpsV17   |
| 6                  | brdcr9600bpsV17   |
| 7                  | brdcr12000bpsV17  |
| 8                  | brdcr14400bpsV17  |
| 9                  | brdcr12000bpsV33  |
| 10                 | brdcr14400bpsV33  |

### DT1CurrentCompression

Data type: Brd1CurrentCompressionVals  
Read-only

Compression values. Requires a 0-based channel index at DTChannelIndex. Values for DT1CurrentCompression are the same as for Brd1CurrentCompression.

| Numeric equivalent | Enumerated value  |
|--------------------|-------------------|
| 0                  | brdccNotAvailable |
| 1                  | brdccMHGroup3_1D  |
| 2                  | brdccMRGroup2_2D  |
| 3                  | brdccMMRGroup4    |

### DT1EstMinutesLeft

Data type: short  
Read-only

Estimated minutes left. Requires a 0-based channel index at DTChannelIndex.

### DT1SIPhoneNum

Data type: string  
Read-only

Phone number. Requires a 0-based channel index at DTChannelIndex.

### DT1SIUserID

Data type: string  
Read-only

User ID. Requires a 0-based channel index at DTChannelIndex.

### DT2Flags

Data type: DocTransport2ServerStatFlags  
Read/Write

Flags to be combined to represent the DocTransport statistics to query on the next refresh.

| Value      | Flag                     |
|------------|--------------------------|
| 0x00000001 | statDT2CrtSIPagesInFax   |
| 0x00000002 | statDT2CrtSIPagesDone    |
| 0x00000004 | statDT2CrtSIToName       |
| 0x00000008 | statDT2CrtSIToCompany    |
| 0x00000010 | statDT2CrtSIBillInfo1    |
| 0x00000020 | statDT2CrtSIBillInfo2    |
| 0x00000040 | statDT2CrtSISecureCSID   |
| 0x00000080 | statDT2CrtSIUniqueID     |
| 0x00000100 | statDT2CrtCurrentOp      |
| 0x00000200 | statDT2TransName         |
| 0x00000400 | statDT2TransNumTX        |
| 0x00000800 | statDT2TransNumRX        |
| 0x00001000 | statDT2QueueName         |
| 0x00002000 | statDT2QueueDepth        |
| 0x00004000 | statDT2QueueLoad         |
| 0x00008000 | statDT2TransNumPagesTX   |
| 0x00010000 | statDT2TransNumPagesRX   |
| 0x00020000 | statDT2TotalsStartDate   |
| 0x00040000 | statDT2CrtRoutingCodeStr |

### DT2SIPagesInFax

Data type: Short  
Read-only

Number of pages in fax. Requires a 0-based channel index at DTChannelIndex.

**DT2SIPagesDone**

Data type: Short  
Read-only

Number of pages completed. Requires a 0-based channel index at DTChannelIndex.

**DT2SIToName**

Data type: String  
Read-only

To name. Requires a 0-based channel index at DTChannelIndex.

**DT2SIToCompany**

Data type: String  
Read-only

To company. Requires a 0-based channel index at DTChannelIndex.

**DT2SIBillInfo1**

Data type: String  
Read-only

Billing info 1. Requires a 0-based channel index at DTChannelIndex.

**DT2SIBillInfo2**

Data type: String  
Read-only

Billing info 2. Requires a 0-based channel index at DTChannelIndex.

**DT2SISecureCSID**

Data type: String  
Read-only

Secure CSID. Requires a 0-based channel index at DTChannelIndex.

**DT2SIUniqueID**

Data type: String  
Read-only

Unique ID. Requires a 0-based channel index at DTChannelIndex.

**DT2CurrentOp**

Data type: Brd1CurrentOpVals  
Read-only

Requires a 0-based channel index at BrdChannelIndex. Values for DT2CurrentOp are the same as for Brd2CurrentOp.

| Numeric equivalent | Enumerated value |
|--------------------|------------------|
| 0                  | coIdle           |
| 1                  | coSend           |
| 2                  | coWaitForConnect |
| 3                  | coReceive        |
| 4                  | coTUI            |
| 5                  | coDOD            |
| 6                  | coQueryStatus    |
| 7                  | coVMNotify       |
| 8                  | coStatus         |

**DT2TransportName**

Data type: String  
Read-only

Name of transport. Requires a 0-based transport index at DTTransportIndex

**DT2TransportNumTx**

Data type: Long  
Read-only

Number of docs sent. Requires a 0-based transport index at DTTransportIndex.

#### **DT2TransportNumRx**

Data type: Long  
Read-only

Number of docs received. Requires a 0-based transport index at DTTransportIndex.

#### **DT2QueueName**

Data type: String  
Read-only

Name of queue. Requires a 0-based transport index at DTQueueIndex.

#### **DT2QueueDepth**

Data type: Long  
Read-only

Depth of queue. Requires a 0-based transport index at DTQueueIndex.

#### **DT2QueueLoad**

Data type: Long  
Read-only

DocTransport load (or Availability Index) for a queue. Requires a 0-based transport index at DTQueueIndex.

#### **DT2TransportNumPagesTx**

Data type: Long  
Read-only

Number of pages sent by a transport. Requires a 0-based transport index at DTTransportIndex.

#### **DT2TransportNumPagesRx**

Data type: Long  
Read-only

Number of pages received by a transport. Requires a 0-based transport index at DTTransportIndex.

#### **DT2TotalsStartDate**

Data type: Long  
Read-only

Hex date for when the 'all-time' totals were last reset. Requires a 0-based transport index at DTTransportIndex.

#### **DTChannelIndex**

Data type: Long  
Read/Write

Channel index. 0-based index to specify channel to query for DocTransport transport statistics.

#### **DTTransportIndex**

Data type: Long  
Read/Write

Transport index. 0-based index to specify transport to query for DocTransport transport statistics.

#### **DTQueueIndex**

Data type: Long  
Read/Write

Queue index. 0-based index to specify queue to query for DocTransport queue statistics.

## **Statistics methods**

#### **Refresh**

Re-loads the list of statistics from the fax server.