

**FAXCOM .NET Class Library
Samples Guide
Version 10.1.1.26**

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1. Introduction

This document describes a set of samples that illustrate the uses of the FAXCOM .NET class library functionality.

There are three sets of samples:

1. A group of console applications that show how to login to the FAXCOM queue, send a fax, monitor fax statuses, and receive faxes.
2. A sample client application showing how to integrate faxing with a GUI application.
3. A set of simple .NET controls to show how to encapsulate faxing with UI.

2. Deployment

The FAXCOM .NET Class Library (FAXCOMLIB) depends on the FaxComApi (FCapi.DLL). The FaxComApi needs to be installed for applications using this FAXCOMLIB to run. The installers for the FaxComApi are distributed in the FAXCOM SDK, as the files FCAPISetup.exe and FCAPISetupx64.exe. These files are found in the directory C:\Program Files (x86)\Biscom\SDK\ if the SDK was installed to the default path.

You also need to reference the three dlls located in: SDK\API for .NET\Bin. Once they are included in the project, set *Embed interop types* to **false** for all three files (You can access this setting by right-clicking each file and selecting *Properties*.)

3. Console Applications

There are four console applications written in C#. They are located in:

```
\Program Files\Biscom\SDK\API for .NET\Samples
```

(assuming you chose the default location for the installation).

Load the FAXCOMLib Samples solution (FAXCOMLib Samples.sln) using Visual Studio 2010 and build the solution.

3.1 SendFax

The sample is located in :

```
\Program Files\Biscom\SDK\API for .NET\Samples\SendFax
```

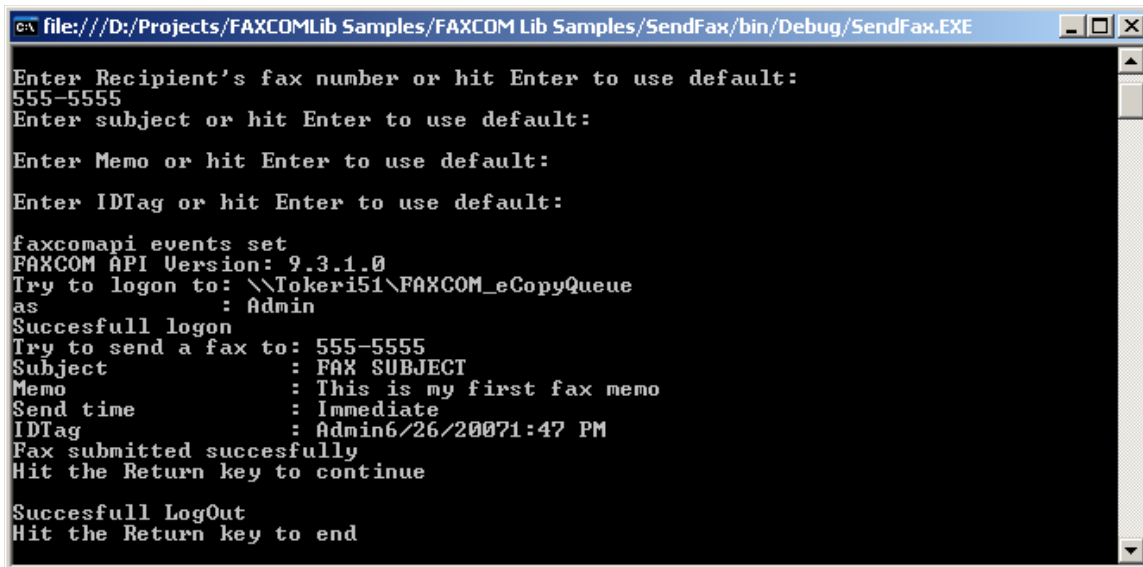
(assuming you chose the default location for the installation).

The directory contains two files: SendFax.cs and SendFax.csproj.

The project is included in the solution provided.

This console application enables you to:

1. Login to the FAXCOM Queue.
2. Set the minimum information needed to send a fax.
3. Submit the fax.
4. Logout and exit the application.



```
file:///D:/Projects/FAXCOMLib Samples/FAXCOM Lib Samples/SendFax/bin/Debug/SendFax.EXE
Enter Recipient's fax number or hit Enter to use default:
555-5555
Enter subject or hit Enter to use default:

Enter Memo or hit Enter to use default:

Enter IDTag or hit Enter to use default:

faxcomapi events set
FAXCOM API Version: 9.3.1.0
Try to logon to: \\Tokeri51\FAXCOM_eCopyQueue
as          : Admin
Sucessfull logon
Try to send a fax to: 555-5555
Subject      : FAX SUBJECT
Memo        : This is my first fax memo
Send time   : Immediate
IDTag       : Admin6/26/2007 1:47 PM
Fax submitted succesfully
Hit the Return key to continue

Sucessfull LogOut
Hit the Return key to end
```

Figure 1. SendFax Sample Run

3.2 MonitorStatuses

The sample is located in:

```
\Program Files\Biscom\SDK\API for .NET\Samples\MonitorStatuses
```

(assuming you chose the default location for the installation).

The directory contains two files: MonitorStatus.cs and MonitorStatuses.csproj. The project is included in the solution provided.

This console application enables you to:

1. Login to the FAXCOM Queue.
2. Retrieve the Message Status Collection.
3. Retrieve a Message status that matches a IDTag provided.
4. If the Message status has not been received yet, wait a second and try again until the status is found.
5. Once it is found, display data from the message status.
6. Logout and exit the application.

```
file:///D:/Projects/FAXCOMLib Samples/FAXCOM Lib Samples/MonitorStatuses/bin/Debug/MonitorSta...
Enter FAXCOM Queue path or hit Enter to use default:
Enter User name or hit Enter to use default:
Enter password or hit Enter to use default:
Enter IDTag or hit Enter to use default:
faxcomapi events set
FAXCOM API Version: 9.3.1.0
Try to logon to: \\Tokeri51\FAXCOM_eCopyQueue
as : Admin
Succesfull logon
Fax status found
Transmission status: ok
Fax Number : 555-5555
Pages Transmitted : 1
Succesfull LogOut
Hit the Return key to end
```

Figure 2. MonitorStatuses Sample Run

3.3 ReceiveFaxes

The sample is located in:

```
\Program Files\Biscom\SDK\API for .NET\Samples\ReceiveFaxes
```

(assuming you chose the default location for the installation).

The directory contains two files :ReceiveFaxes.cs and ReceiveFaxes.csproj.

The project is included in the solution provided.

This console application enables you to:

1. Login to the FAXCOM Queue.
2. Retrieve the Received Messages collection.
3. Display the count of received faxes in the mailbox.
4. Sort by Receive Time in reverse order (most recent first).
5. Display information for the first five faxes in the mailbox.
6. Logout and exit the application.

```
ca file:///D:/Projects/FAXCOMLib Samples/FAXCOM Lib Samples/ReceiveFaxes/bin/Debug/ReceiveFaxes...
Enter FAXCOM Queue path or hit Enter to use default:
Enter User name or hit Enter to use default:
Enter password or hit Enter to use default:
faxcomapi events set
FAXCOM API Version: 9.3.1.0
Try to logon to: \\Tokeri51\FAXCOM_eCopyQueue
as : Admin
Succesfull logon
The mailbox has 161 received faxes
Display the first 5 received faxes. Sorted by Received Time
Message received: 6/20/2007 9:55 AM
Message status : ok
Pages received : 1
Image file name : \\TOKERI51\FaxcomQ_eCopyQueue\BISFAX\MAILBOX\Admin\IPARCEL\TOK
ERI51_0501311615100004-0345.TIF
Hit the Enter key to continue
-
```

Figure 3. ReceiveFaxes Sample Run

3.4 EventMonitor

The sample is located in:

```
\\Program Files\\Biscom\\SDK\\API for .NET\\Samples\\EventMonitor
```

(assuming you chose the default location for the installation).

The directory contains two files: Program.cs and EventMonitor.csproj.

The project is included in the solution provided.

This console application enables you to:

1. Login to the FAXCOM Queue.
2. Set an event handler for a change in the list of received faxes.
3. Set an event handler for a change in the list of sent fax statuses.
4. Set an event handler for a new received fax.
5. Set an event handler for a new sent fax status.
6. Set an event handler for a change in the list of pending faxes.
7. Wait for and report events.

```
file:///C:/wrk/prj/tfs/Products/Main/Source/FaxcomLib/EventMonitor/bin/Release/EventMonitor.EXE
Enter FAXCOM Queue path or hit Enter to use default:
Enter User name or hit Enter to use default:
Enter password or hit Enter to use default:
FAXCOM API Version: 10.1.0.44
Try to logon to: \\tokeri51-w2003s\FAXCOMQ_MFP_Queue0
as Administrator
Sucesfull logon
RX Change event : enabled
NEW RX event : enabled
TX Change event : enabled
NEW TX event : enabled
Pending Queue Events : enabled
Waiting for events
```

Figure 4. EventMonitor Sample Run

4. UI Application

4.1 ClientShell

The Client shell sample is Windows application using Windows Forms to provide a Graphical User Interface to a fax client application. This application is not complete and is solely intended as an illustration of how to use FAXCOMLib in a Windows application.

The sample is located in:

```
\\Program Files\\Biscom\\SDK\\API for .NET\\Samples\\FAXCOMClient
```

(assuming you chose the default location for the installation).

This directory contains the FAXCOMClient.csproj that is included in the Samples solution.

This sample shows how to:

1. Login using a dialog box.
2. Login using the LogOnCtl (described later in this document).
3. Display the hierarchy of folders and subfolders in the user's mailbox.
4. Display the Activity log in a Windows ListView control.
5. Display the Pending Queue in a Windows ListView control.
6. Display the Sent and the Received messages collections in a Windows ListView control.
7. Display all properties of the PendingMessage object.
8. Display all properties of the ReceivedMessage object.
9. Display all properties of the MessageStatus object .
10. Compose and send a fax message.

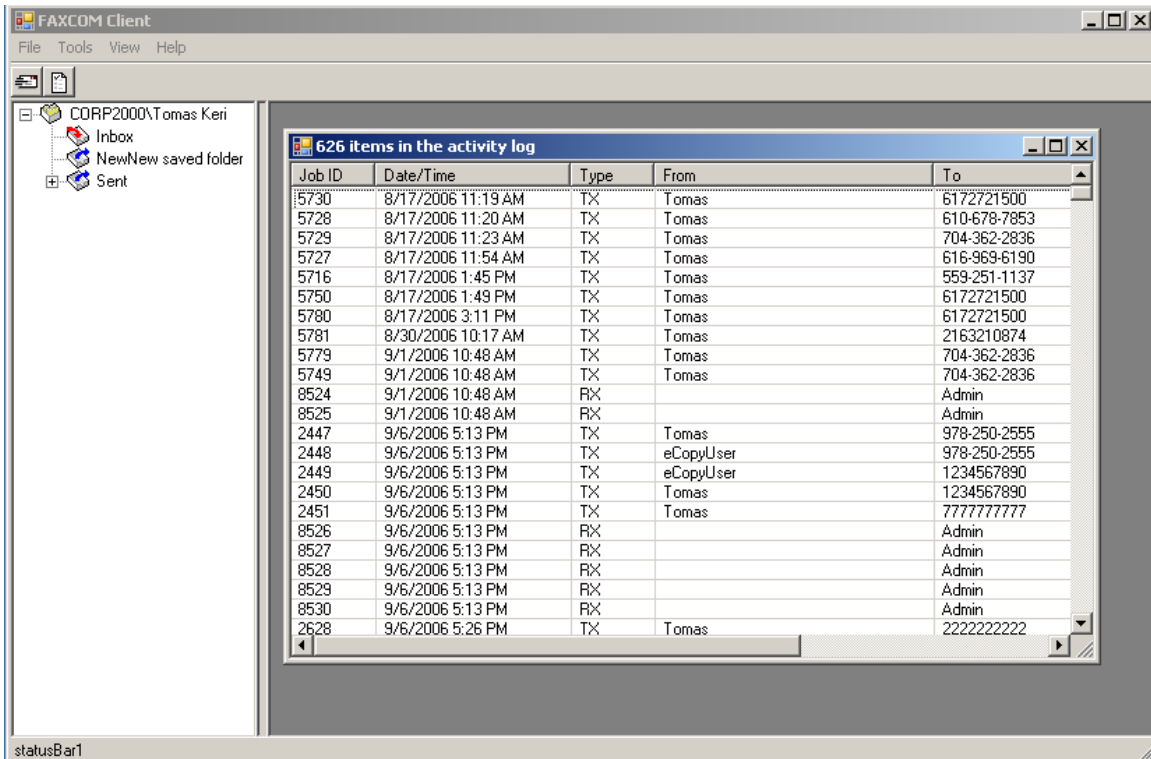


Figure 5. FAXCOMClient Sample Screen

5. .NET Controls

5.1 ActivityCtl

The ActivityCtl demonstrates how to retrieve and display the Activity log. The Activity log contains information for all the sent and received faxes of the currently-logged-in Queue

The Activity log control uses the IActivities collection and the IActivity interface, and displays them in a ListView form.

The sample is located at :

```
\Program Files\Biscom\SDK\API for .NET\Samples\ActivityCtl
```

(assuming you chose the default location for the installation).

This directory contains the ActivityCtl.csproj that is included in the Samples solution.

5.2 PendingCtl

The Pending Queue control demonstrates how to retrieve and display entries in the Pending Queue, which is the list of faxes queued for transmission. Entries in the queue can be deleted, released, held, and/or authorized.

The Pending Queue control uses the IPendingMessages collection interface and the IPendingMessage interface. Entries are displayed in a ListView form.

The sample is located in:

```
\Program Files\Biscom\SDK\API for .NET\Samples\PendingCtl
```

(assuming you chose the default location for the installation).

This directory contains the PendingCtl.csproj that is included in the Samples solution.

5.3 PendingGrid

This sample demonstrates how to display the Pending Queue entries in a grid form.

The sample is located in:

```
\Program Files\Biscom\SDK\API for .NET\Samples\PendingGrid
```

(assuming you chose the default location for the installation).

This directory contains the PendingGrid.csproj that is included in the Samples solution.

5.4 ReceiveCtl

The Receive Faxes control demonstrates how to access and retrieve received fax information using the IReceivedMessages collection and the IReceiveMessage interface.

The sample is located in:

```
\Program Files\Biscom\SDK\API for .NET\Samples\ReceiveCtl
```

(assuming you chose the default location for the installation).

This directory contains the ReceiveCtl.csproj that is included in the Samples solution.

5.5 SentCtl

The Sent Faxes control demonstrates how to access and retrieve the sent fax information using the IMessageStatusCollection interface and the IMessageStatus interface.

The sample is located in:

```
\Program Files\Biscom\SDK\API for .NET\Samples\SentCtl
```

(assuming you chose the default location for the installation).

This directory contains the SentCtl.csproj that is included in the Samples solution.