



i-Fax Pro Communication Server  
Standard Edition  
Version : 4.1.0

## Administrator's Guide

**ver 4.1.0.a**

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## Chapter 1

# Hardware and Software Requirements

## Hardware Requirements

### Minimum hardware requirements

Computer/Processor	2.4 GHz or higher Pentium IV-compatible CPU
Memory	512 GB RAM
Hard drive	500 MB free space
Display	SVGA or higher resolution monitor running at a resolution of 800 x 600 or higher
Drive	CD-ROM or DVD drive
Keyboard	Required

### Recommended hardware requirements

Computer/Processor	3.0 GHz or higher Pentium IV-compatible CPU
Memory	1 GB RAM
Hard drive	1 GB free space
Display	SVGA or higher resolution monitor running at a resolution of 800 x 600 or higher
Drive	CD-ROM or DVD drive
Keyboard	Required

### Fax Modem / Card requirements

i-Fax supports any internal or external class 2 fax modem for non-DID routing service and MultiTech external DID fax modem or internal i-Fax card for DID routing service

### Phone Line requirements

The fax device that i-Fax supports can make use normal phone line is requested for non-DID routing service, DID / DDI, ISDN, T1 or E1 line is requested for DID routing service

# Software Requirements

## Supported Server Operating Systems

Red Hat Linux 9.0  
Fedora Core 1  
Fedora Core 2

## Supported Client Operating Systems

Microsoft Windows 98  
Microsoft Windows ME  
Microsoft Windows 2000 Standard Edition  
Microsoft Windows XP Home Edition  
Microsoft Windows XP Professional Edition  
Linux

## Package requirements : Server Operating Systems

mgetty+sendfax  
samba  
sendmail  
mysql  
cups  
perl 5.0 or above  
apache  
php  
metamail (<http://rpmfind.net/linux/redhat/7.3/en/os/i386/RedHat/RPMS/metamail-2.7-28.i386.rpm>)  
netpbm  
ghostscript  
X windows  
openoffice

**\*\*\* The above packages must be installed firstly before installation of i-Fax Pro !! \*\*\***  
**\*\*\* Linux OS full installation recommended !! \*\*\***

## Services started requirements : Server Operating Systems

crond  
cups  
cups-ltd  
httpd  
ifax  
mysqld  
network  
random  
rawdevices  
sendmail  
smb

## TCP/IP Port requirements : Server Operating Systems

TCP Port 25  
TCP Port 80  
TCP Port 443  
TCP Port 8820

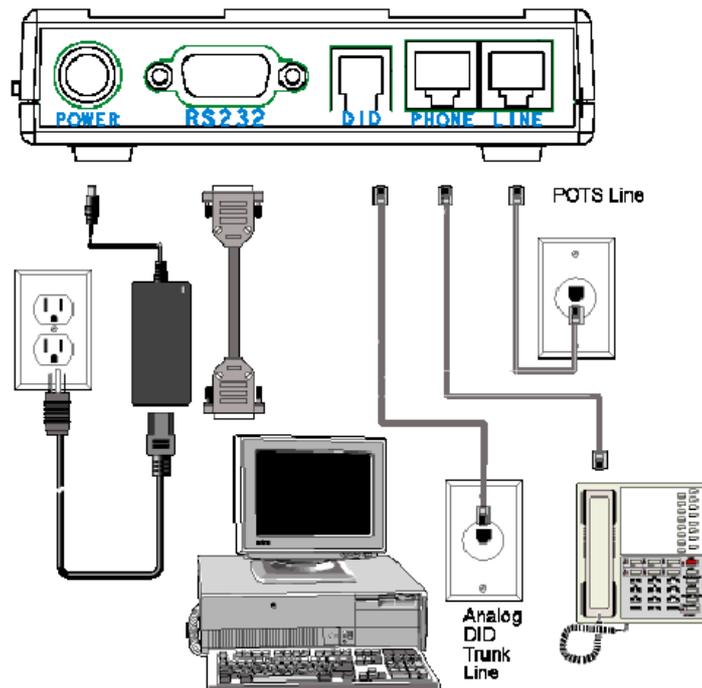
## Chapter 2

# Hardware Installation

### Using external DID Fax Modem

**Step 1: Connect the DID Fax Modem to Your Linux Server**

Shut down your server. Place the modem in a convenient location, and then connect it to your server's serial port. Plug one end of the serial cable into the connector on the modem, and plug the other end into a serial port on your server, such as **ttyS0 (COM1)**, **ttyS1 (COM2)**, **ttyS2 (COM3)** or **ttyS3 (COM4)**



**Step 2: Connect the Modem to the Telephone Line**

Plug one end of the phone cable into the modem's LINE jack and the other end into a phone wall jack. The phone cable is included with your modem.

Note: The LINE jack is not interchangeable with the PHONE jack. Do not plug the phone into the LINE jack or the line cable into the PHONE jack.

**Step 3: Connect the Modem to the Phone (Optional)**

For voice-only calls, plug a phone into the modem's PHONE jack.

**Step 4: Connect the Modem to the AC Power Outlet**

Make sure the power is switch is OFF. Plug the DC power transformer into a power outlet or power strip. Plug the other end into the PWR jack on the modem. The DC power transformer is included with your modem.

**CAUTION:** Use only the DC power transformer supplied with the modem. Use of any other transformer voids the warranty and can damage the modem.

**Step 5: Connect the Modem to the DID Line**

Plug one end of the phone cable into the modem's DID jack and the other end into an analog DID trunk line jack. The DID Line cable is included with your modem.

**CAUTION:** The DID Line cable has a 4-pos RJ11 on one side and a 6-pos on the other. Never plug the DID connector into a standard POTS Line. This may damage the modem or the central office equipment. Use only an analog DID Line.

**Step 6: Turn on the DID modem and your server**

If you have another DID modem, just repeat the above steps. Then, turn on the DID modem and your server and go to next progress.

## Using normal class 2 Fax Modem

i-Fax Pro can also support any Rockwell-based Class 2 Fax Modem. Please just follow the installation guide from the modem manufacturer to connect your modem to your server.

## Using i-Fax Board

1. Power off the computer. Damage could result to both the internal card and the computer system if the power is not disconnect during the installation process.
2. Carefully insert the card into an empty expansion slot and secure the fax card with screws.
3. Plug one end of the telephone, DID, ISDN, T1 or E1 cable into the "LINE" jack on the fax card.
4. Plug the other end of the telephone cable into the wall jack.
5. Power on the computer.

i-Fax Board (4 Analogy Ports), i-Fax Board (8 Analogy Ports), i-Fax Board for T1, i-Fax Board for E1, i-Fax Board for 4BRI, i-Fax Board for BRI and i-Fax Board for 2Fx are OEM products of Eicon. Please get the driver in /ifax/drivers/xxxx/ directory from the i-Fax CD ROM or download it directly from our web site by clicking this link <http://www.unitednets.com/drivers/xxxx.htm>. Please make attention that "xxxx" means the driver version. Then, follow the instructions below to install the driver for your i-Fax Board.

## i-Fax Board : Driver Installation using RPM

To install i-Fax Board driver with the "Diva Server for Linux" software from Eicon, follow these steps:

1. Ensure that you are logged in as "root" user (or use "su"), and under the "drivers" directory.
2. Run the following command to extract the files from the RPM:

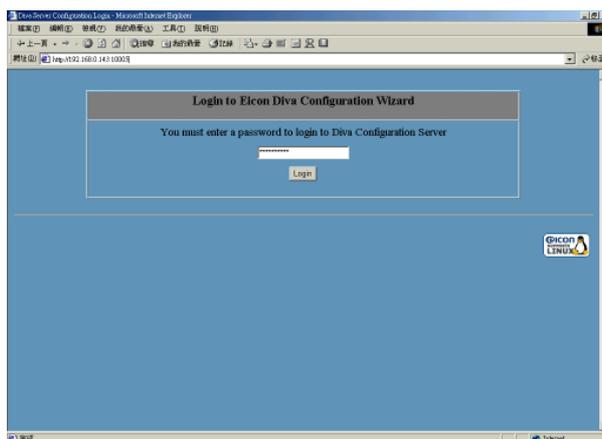
```
rpm -i divas4linux_<a_b_cc_dd>_<ee>-<ff>-<xxx.yy-z>.i386.rpm  
e.g. rpm -i divas4linux_2_4_20_8_RH90_i686-104.294-1.i386.rpm  
(This RPM is using for Red Hat 9.0 with the kernel 2.4.20-8 .)
```

- I. Where <a\_b\_cc\_dd> is the kernel version that the RPM is intended for (e.g. 2\_2\_12\_20 for kernel 2.2.20 or 2\_2\_16 for kernel 2.2.16).
  - II. Where <ee> is the distribution that the RPM is intended for (e.g. RH for Red Hat or SuSE for SuSE).
  - III. Where <ff> is the kernel configuration feature (for example SMP, i686, etc.)
  - IV. Where <xxx.yy-z> is the revision of the RPM (e.g 100.21-1).
3. Reboot the Server, you will see " OK" when it detect the card.

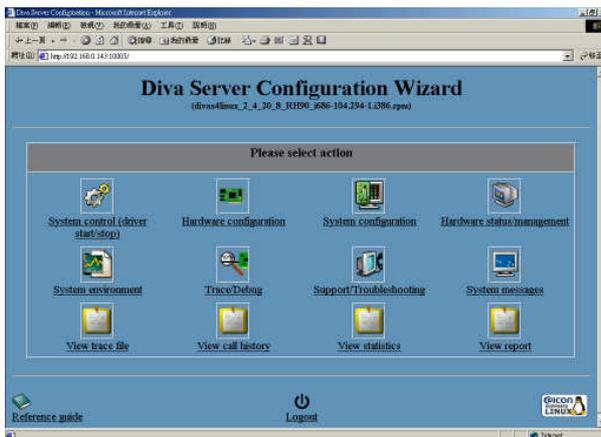
## i-Fax Board : Driver Configuration

After installed the driver, please set the password for the Web access. Edit the file "/usr/lib/eicon/divas/httpd/login/login".

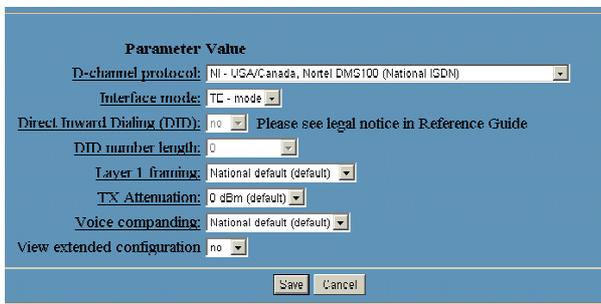
- 1 Login as root
- 2 Go to the folder /usr/lib/eicon/divas/httpd/login
- 3 Edit the file " login "
- 4 Replace the XX to be your password for the Web access
- 5 Save the file
- 6 Use the browser to go to the web page " http://Your Server's IP address:10005 "
- 7 Type in the password to login
- 8 Click on the "Hardware configuration" to config the card  
(Please follow the print screen of the Hardware Configuration to config the card.)
- 9 Click the "Save" button to save the setting
- 10 Click on the "System configuration" to config the system  
(Please follow the print screen of the System Configuration to config the system.)
- 11 Click the "Save" button to save the setting
- 12 Reboot the Server to have a new setting



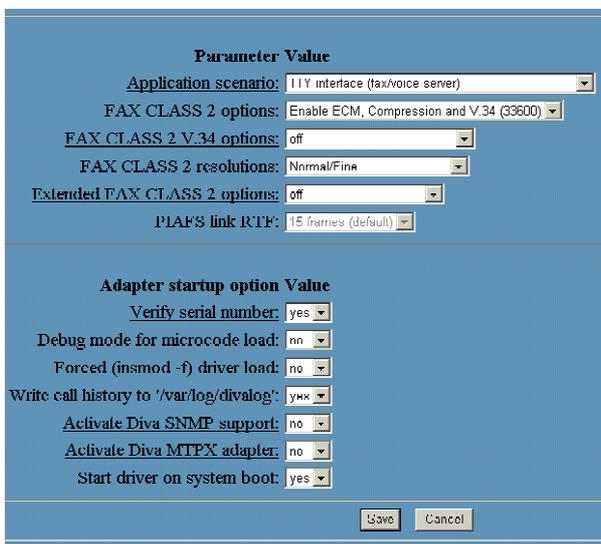
*Type in the password to login.*



Click the “Hardware configuration” and “System configuration” to config the card.



Please follow that configuration to config the “Hardware configuration”.



Please follow that configuration to config the “System configuration”.

## Chapter 3

# Installing the i-Fax Server Software

### To Install the i-Fax Server software

Before running the installation procedure, please make sure that you are logged on as **root** .

1. Log on to the linux server using an ID with **root** level. If you do not log on with **root** level, the installation and configuration of i-Fax Server will fail.
2. Insert the i-Fax server CD and mount the installation CD to one folder. go to the folder , you have mounted
3. To install the i-Fax package, type the following command  

```
rpm -Uvh iFax-Pro-x.x.x-x.noarch.rpm --force - nodeps
```

  
( If you server is running the shared printer service, please backup your config files first. )
4. Go to the i-Fax Server Installation GUI Mode by typing the web site using the web browser. e.g. If the server's IP is 192.168.0.100, type <http://192.168.0.100:8820> )
5. Click the **Next** button at the opening screen to view the i-Fax license agreement. You must accept the license agreement in order to continue the installation. Click **Next**.
6. Type in the "Serial Number" which is on the back of your your CD box.
7. Copy down the "Registration Number" and then go to the registration web site to get the "Installation Key".
8. Type in the "Installation Key" and click the **Next** button.
9. Enter the Database information and MySQL root password and click the **Next** button.
10. Type in the i-Fax administrator password and email.
11. It will config the system automatically and click the **Finish** button to finish the configuration. After click the **Finish** button, it will go to the Login Screen.

## Chapter 4

# Installing the i-Fax Client Software

You will need administrator rights to install the i-Fax Client because it includes a fax printer driver. .

### To Install the i-Fax Client software on Windows 98/ME/NT

1. Login the i-Fax Website as the user and click on the "Options" to go to the "Download" page. Download the **i-Fax Client installation program** and then run the file to setup i-Fax Client installation program.
2. Click on the link of the i-Fax Client installation Program for Windows 98,ME to download the program. Download the program to your computer and then double click the file to setup the i-FaxClient program.
3. It will popup a Welcome Screen and you can press "Next" button to continue the setup.
4. Choose " I Agree " in the License Agreement page and press "Next" button to continue the setup.
5. Then, you can change the directory for the i-FaxClient to install to (Default is "C:\Program Files\ i-Fax") and click the "Next" button to continue the setup.
6. It will ask you that ready to install it or not. If yes, click the "Next" button to start the installation.
7. Installation complete, click "Close" button to exit.
8. It will create the " i-Fax " icon on the desktop, you can double click that icon to start the i-FaxClient program.
9. It will ask you to type in the Server IP, Login Name and Password. After that, it will make a connection to the Server, create a shortcut " iFaxClient " on your desktop and startup. So it will auto start " i-Fax Client " on every bootup.
10. Add a local printer, using "Apple Laser Writer" Printer Driver.  
*If you are using Win98 / Me / NT, please choose " Apple LaserWriter 16/600 PS " postscript driver.*
11. And choose "iFaxPort" be the printer port and set the printer name be "i-Fax".

## To Install the i-Fax Client software on Windows 2000/XP

1. Login the i-Fax Website as the user and click on the "Options" to go to the "Download" page. Download the **i-Fax Client installation program** and then run the file to setup i-Fax Client installation program.
2. Click on the link of the i-Fax Client installation Program for Windows 98,ME to download the program. Download the program to your computer and then double click the file to setup the i-FaxClient program.
3. It will popup a Welcome Screen and you can press "Next" button to continue the setup.
4. Choose " I Agree " in the License Agreement page and press "Next" button to continue the setup.
5. Then, you can change the directory for the i-FaxClient to install to (Default is "C:\Program Files\ i-Fax") and click the "Next" button to continue the setup.
6. It will ask you that ready to install it or not. If yes, click the "Next" button to start the installation.
7. Installation complete, click "Close" button to exit.
8. It will create the " i-Fax " icon on the desktop, you can double click that icon to start the i-FaxClient program.
9. It will ask you to type in the Server IP, Login Name and Password. After that, it will make a connection to the Server, create a shortcut " iFaxClient " on your desktop and startup. So it will auto start " i-Fax Client " on every bootup.
10. For Windows 2000, XP, it will automatically create a printer driver on your computer (default printer name: i-Fax.)

## To Install the i-Fax Client software on X Windows

1. Under the Start Menu bar of X Windows, click "Office".
2. Click "OpenOffice.org Printer Setup".
3. Click "New Printer".
4. Choose "Connect a fax device", click Next.
5. Choose "The default driver", click Next.
6. Enter the following content in the command line :  
`/sbin/ifaxclient <server/queue> "IFAXNO:(PHONE)" <login_id> <login_password>`  
Example : `/sbin/ifaxclient faxserver/faxqueue "IFAXNO:(PHONE)" thomas hispassword`
7. Enter a name for the fax connection, for example : ifax  
Now, you can choose that printer to send fax under OpenOffice.

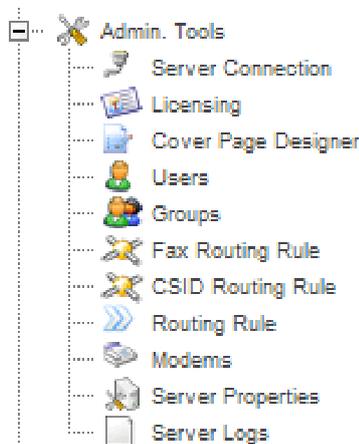
## Chapter 5

# Configuring the i-Fax Server : Admin Tools

The i-Fax Server : Admin tools manages the fax modem, controls the conversion of outgoing faxes, and manages outgoing faxes and incoming faxes. You can configure the i-Fax Server : Admin Tools to customize global fax settings, incoming fax routing, and server status. Although the default configuration of the i-Fax Server allows you to send and receive fax documents, you should configure it to meet the needs of your companies immediately after installing the i-Fax Server software. After it has been installed, you can logon i-Fax Server with administrator level using the Administration Tools.

## The i-Fax Server Administration Tools Control Panel

The left panel is called the i-Fax Server Tree, contains the open i-Fax Server and their administrative components. The right panel display details of the selected component.



The menu of the “ **Administrative Tools** ”

### The Server Properties Setting

To view the i-Fax Server Properties, on the right panel, click **Edit** button.

		i-Fax Server Name	Shift	Number of Devices
 <b>Edit</b>	 <b>Start</b>	faxserver01	0	1

 **Server Connection** View who is connected to the server.

-  **Licensing** View the License information.
-  **Cover Page Design** Design your cover page.
-  **Users** Manage the i-Fax user account.
-  **Groups** Manage the i-Fax group.
-  **Fax Routing Rule** Manage the fax line no. and DID fax line no. routing
-  **CSID Routing Rule** Config the CSID routing
-  **Routing Rule** Set the routing rule ( e.g. Device Prefix Table )
-  **Modem** Manage the fax modem device
-  **Server Properties** Config the Server's information
-  **Server Logs** View the logs of the Server

## Understanding the i-Fax Server : Services

The i-Fax Server is included of several services. These are :

ifax service

iFaxWeb service

These services are configured and started during installation. You should only need to re-start i-Fax Server during server

## Starting the i-Fax Server using the Administrative Tools

In **Server Properties** Panel, you will see the list of servers. To start the i-Fax server, click the i-Fax Server and click **Start**.

		i-Fax Server Name	Shift	Number of Devices
 Edit		faxserver01	0	1

## Stopping the i-Fax Server using the Administrative Tools

In **Server Properties** Panel, you will see the list of servers. To stop the i-Fax server, click the i-Fax Server and click **Stop**.

		i-Fax Server Name	Shift	Number of Devices
 Edit		faxserver01	0	1

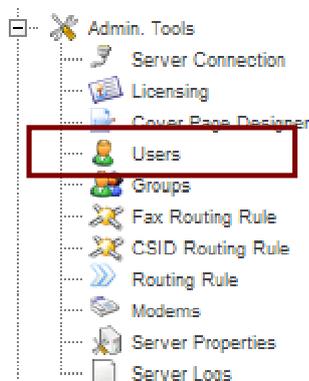
## Chapter 6

# Configuring i-Fax Users

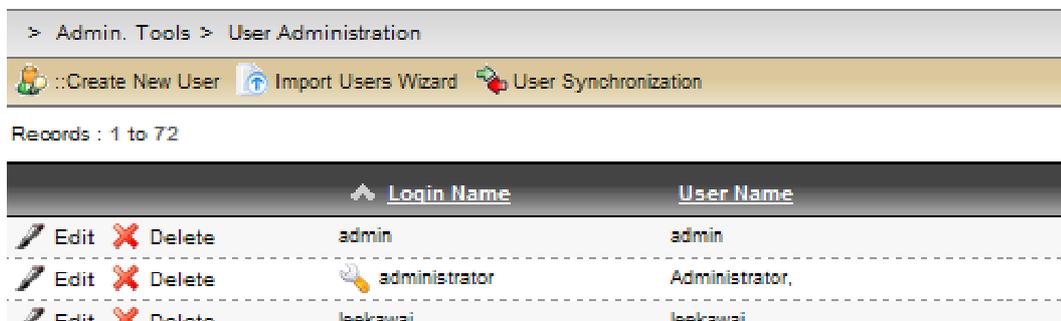
Every i-Fax user profile has a unique ID and profile on a i-Fax Server. Each i-Fax user ID has ownership to received and sent faxes to their intended recipients. To add, edit or delete i-Fax user profiles, run i-Fax Control Panel and click **Users** under the i-Fax Server in the Administration Tools Control Panel.

## i-Fax Users Control Panel

To show the user list, click **Users** under the i-Fax Server in the Administration Tools Control Panel.



*The menu of the “Administrative Tools”*

A screenshot of the 'User Administration' control panel. At the top, there is a breadcrumb trail: '> Admin. Tools > User Administration'. Below this, there are three buttons: 'Create New User', 'Import Users Wizard', and 'User Synchronization'. Underneath the buttons, it says 'Records : 1 to 72'. The main area contains a table with three columns: 'Login Name' and 'User Name'. Each row has 'Edit' and 'Delete' icons to the left of the user information.

	Login Name	User Name
	admin	admin
	administrator	Administrator,
	leekawai	leekawai

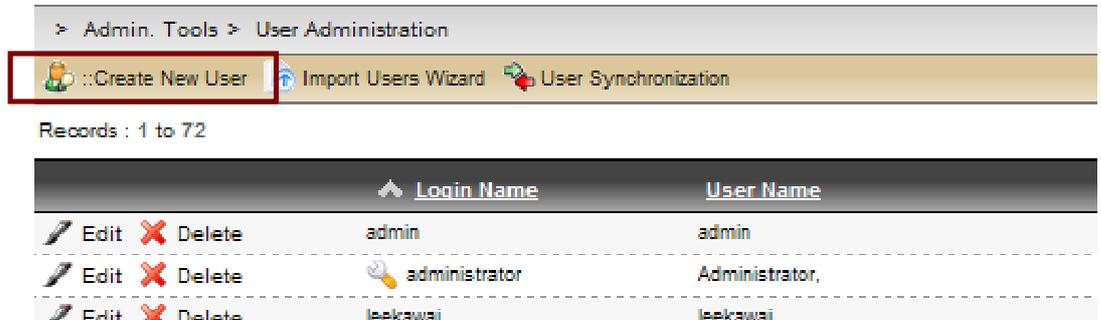
*The list of i-Fax Users ”*

If i-Fax user record SHOW the icon in the first field, mean that :

-  The user has a administrative rights.
-  Enabled the LDAP authentication

### Adding a user profile

To add a new i-Fax user, click **Create New User** in the icon menubar, The User dialog windows opens. To configure the user profile. You must enter a value in the **Login Name** input field to create the new user.



> Admin. Tools > User Administration

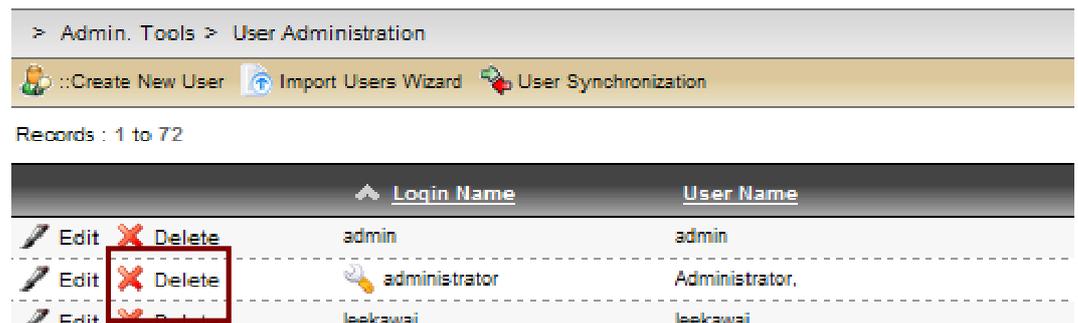
 Create New User  Import Users Wizard  User Synchronization

Records : 1 to 72

	Login Name	User Name
 Edit  Delete	admin	admin
 Edit  Delete	 administrator	Administrator,
 Edit  Delete	leekawai	leekawai

### Deleting a user profile

To delete a user, select the user to delete and click **Delete** in the **users list**, you will be prompted for confirmation that you want to delete the user.



> Admin. Tools > User Administration

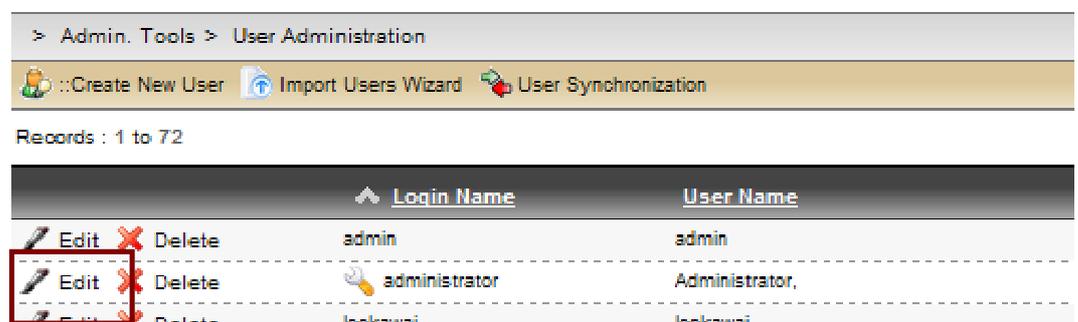
 Create New User  Import Users Wizard  User Synchronization

Records : 1 to 72

	Login Name	User Name
 Edit  Delete	admin	admin
 Edit  Delete	 administrator	Administrator,
 Edit  Delete	leekawai	leekawai

### Editing a user profile

To edit the properties of an existing user, select the user to edit and click **Edit** in the **users list**.



> Admin. Tools > User Administration

 Create New User  Import Users Wizard  User Synchronization

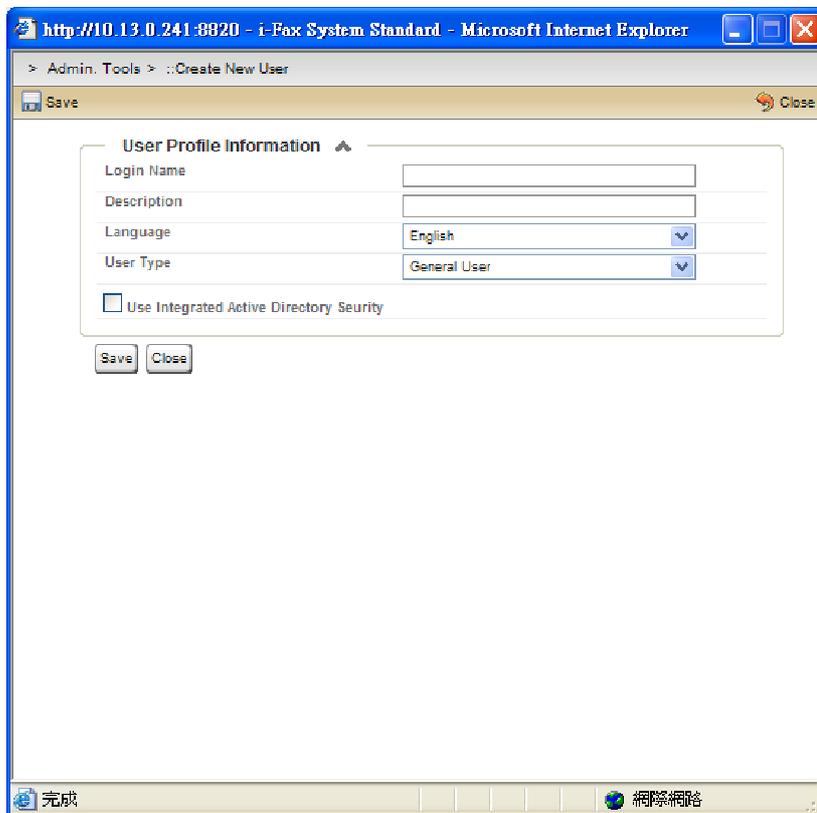
Records : 1 to 72

	Login Name	User Name
 Edit  Delete	admin	admin
 Edit  Delete	 administrator	Administrator,
 Edit  Delete	leekawai	leekawai

# Creating a User Profile

The user's profile is defined in the User dialog windows. This part describes all the options in this dialog windows.

## The Identification Zone :



The screenshot shows a web browser window with the address bar displaying 'http://10.13.0.241:8820 - i-Fax System Standard - Microsoft Internet Explorer'. The browser's address bar shows the path '> Admin. Tools > ::Create New User'. The main content area displays a 'User Profile Information' dialog box. This dialog box has a title bar with a save icon and a 'Close' button. The dialog contains the following fields and options:

- Login Name:** A text input field.
- Description:** A text input field.
- Language:** A dropdown menu currently set to 'English'.
- User Type:** A dropdown menu currently set to 'General User'.
- Use Integrated Active Directory Security:** An unchecked checkbox.

At the bottom of the dialog box, there are two buttons: 'Save' and 'Close'. The browser's status bar at the bottom shows '完成' (Complete) on the left and '網際網路' (Internet) on the right.

**Login Name** The unique identifier used throughout the i-Fax Server to identify a user. The Login Name may consist of a-z, 0-9, underscores, and can be 30 characters long.

**Description** This is a descriptive information to help the administrator identify users.

**Language** Choose a language in which to view i-Fax WebSite.

**User Type** Choose a permission right for i-Fax WebSite

**Use Integrated Active Directory Security** Each i-Fax user ID can be used to a Active Directory Server Security Authentication..

## The Contact Zone :

The screenshot shows a web browser window titled "http://10.13.0.241:8820 - i-Fax System Standard - Microsoft Internet Explorer". The page displays the "Contact" form for an administrator. The form is organized into several sections:

- Name:** First Name (Administrator), Middle Name (Middle Name a), Last Name, Nickname (Nickname a), and Quickname\* (Administrator).
- Email:** Personal (wai@unitednet.com.hk), Work (EWork), and Primary E-Mail (Personal).
- Website Addresses:** Personal (WPersonal), Work (WWork).
- Phone Number:** Personal (PNPersonal), Work (PNWork), Mobile (Mobile), Pager (PNPersonal), Fax (21190878), and Fax Machine - CSID (Fax Machine - CSID).
- Street Addresses:** Personal (Street: SAPStreet, City: HONGKONG, State: SAPState, Zip Code: SARZipCode, Country: SAPCountry) and Work (Street: SAWStreet, City: SAWCity, State: SAWState, Zip Code: SAWZipCode, Country: SAWCountry).

## The Permissions Zone :

The screenshot shows a web browser window titled "http://10.13.0.241:8820 - i-Fax System Standard - Microsoft Internet Explorer". The page displays the "Permissions" form for an administrator. The form is organized into several sections:

- General:** A list of permissions with checkboxes:
  - Send Fax
  - Can Use High Priority
  - Disallow Fax Deleting
  - Can Change Junk Fax Filter
  - Can Change Fax Setting
  - Can Change Password
  - Can Web Login
  - Can i-Fax Client Login

**Send Fax** Lets the user send the faxes.

**Can Use High Priority** Lets the user send faxes using "high" priority. If disabled, the user is restricted to "normal" priorities.

**Disallow Fax Deleting** Prevents the user from deleting faxes. This setting can be useful for persons doing manual fax routing. The restriction applies to the user and not the inbox, so if the user switches inbox, he still cannot delete faxes.

**Can Change Junk Fax Filter** Lets the user change the personal's rule of junk fax filter.

**Can Change Fax Setting** Lets the user change the fax configuration

**Can Change Password** Lets the user change the password for logon i-Fax Server

**Can Web Login** Lets the user logon the i-Fax Website.

**Can i-Fax Client Login** Lets the user logon the i-Fax Server through i-Fax Client

### The Fax Incoming Settings Zone :

**Automatic Email Forwarding Options** This Options is a method that i-Fax uses to email received faxes to the user.

**E-mail** Enter the user's e-mail address for the **Automatic Email Forwarding Options**

**Save to File Format** Select the file format ( TIFF, PDF or GIF ) in which faxes will be delivered when **Automatic Email Forwarding**

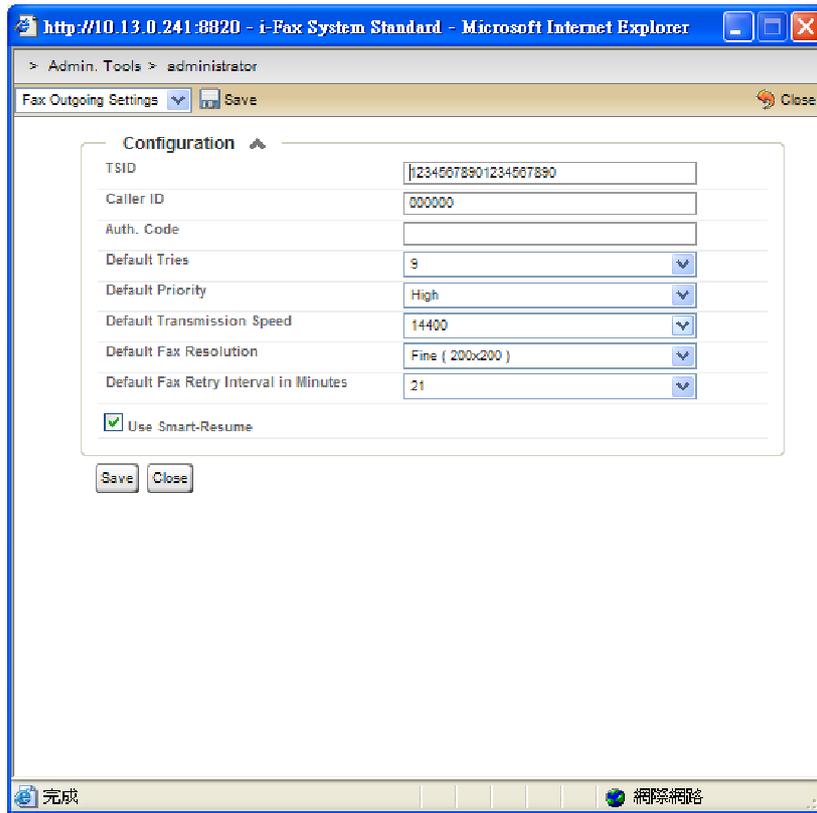
**Automatic Server Storing Options** This Options is a method that i-Fax use to route received faxes to the user inbox on the i-Fax Server.

**Enabled Automatic Purge Data Function** Click to enabled automatic purge data function.

**Automatic Printing Options : Driver** i-Fax Server is support the HP and Postscript Printer .

**Automatic Printing Options : Printer** Enter the Printer Path for the i-Fax Server automatic print function. ( Format : **//IP Address/Printer Name** ).

### The Fax Outgoing Settings Zone :



**TSID** The Transmitting Station Identifier (TSID) is a text identifying the sender of a fax, and usually includes the sender's fax number.

**Caller ID** .

**Auth. Code** .

**Default Tries** Set the fax retry for outgoing fax.

**Default Priority** Set the priority for fax outgoing queue.

**Default Transmission Speed** Set the Fax Transmission Speed for outgoing fax.

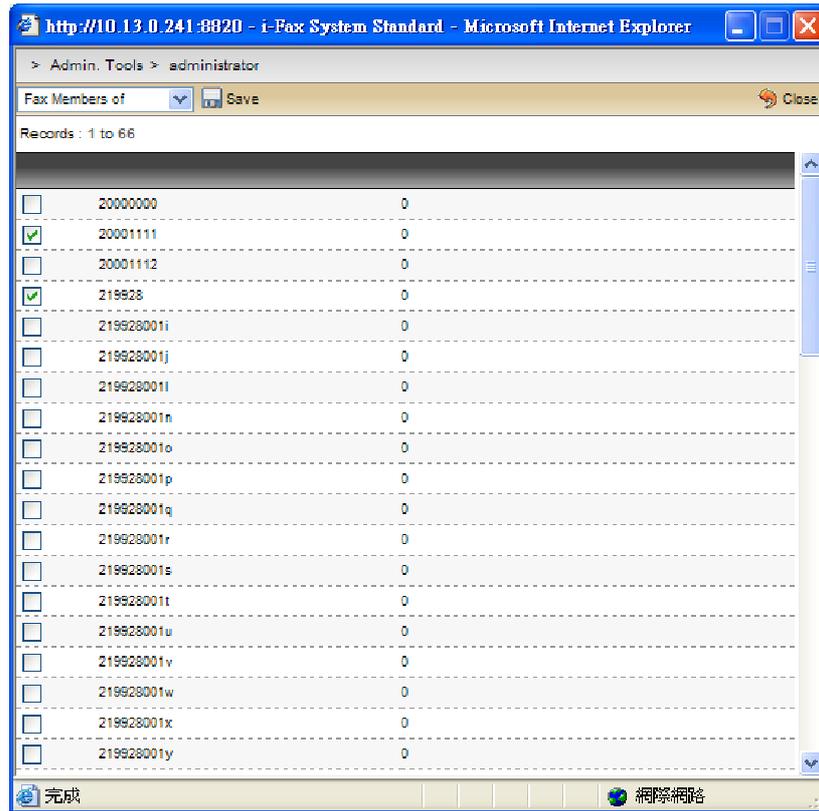
**Default Fax Resolution** Set the resolution of the user outgoing faxes. ( Normal Resolution *200x100 DPI* or Fine Resolution *200x200 DPI* ) .

**Default Fax Retry Interval in Minutes** Set the interval at which Outgoing Fax Retry.

**Use Smart-Resume** Enable the i-Fax Server to intelligently re-send only the portion of a fax When failed to send.

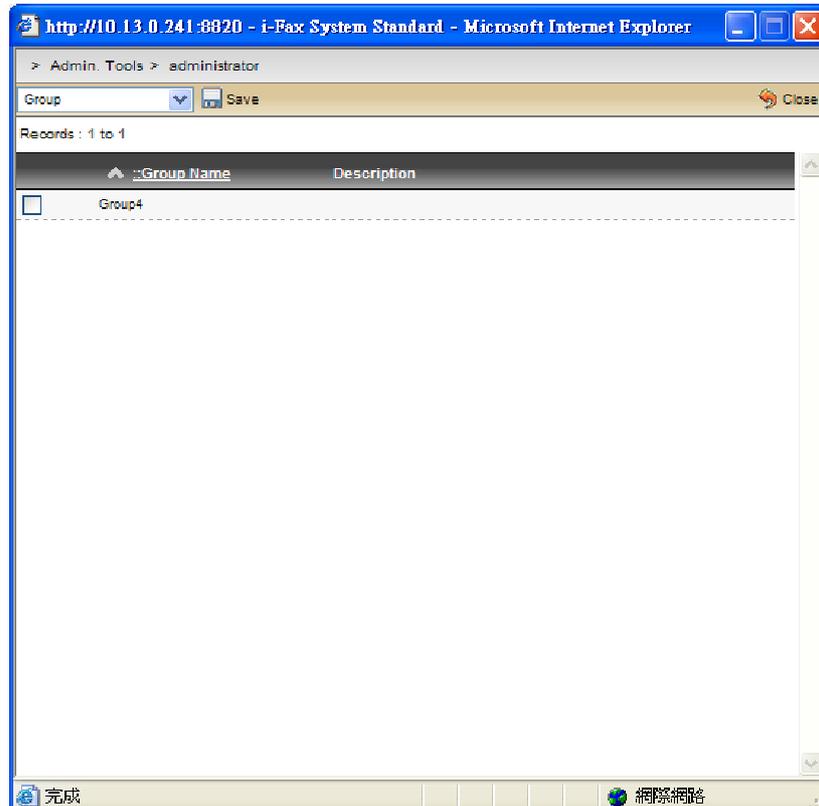
Ex : Normally all 10 pages have to be re-sent when connection is broken ( 5 pages sent ). By using Smart-Resume, the i-Fax Server will only re-send the last 5 pages.

## The Fax Members of Zone :

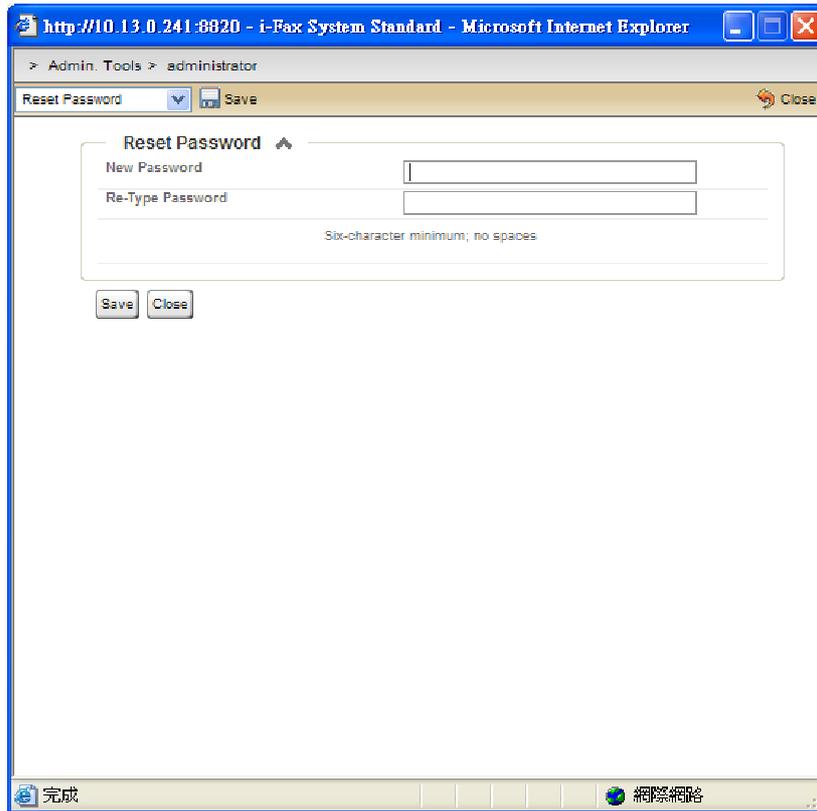


**Fax Members of** The Fax Routing Rule is a unique fax number that i-Fax uses to route received faxes to the selected user. You can select the fax number more than once.

## The Group Zone :



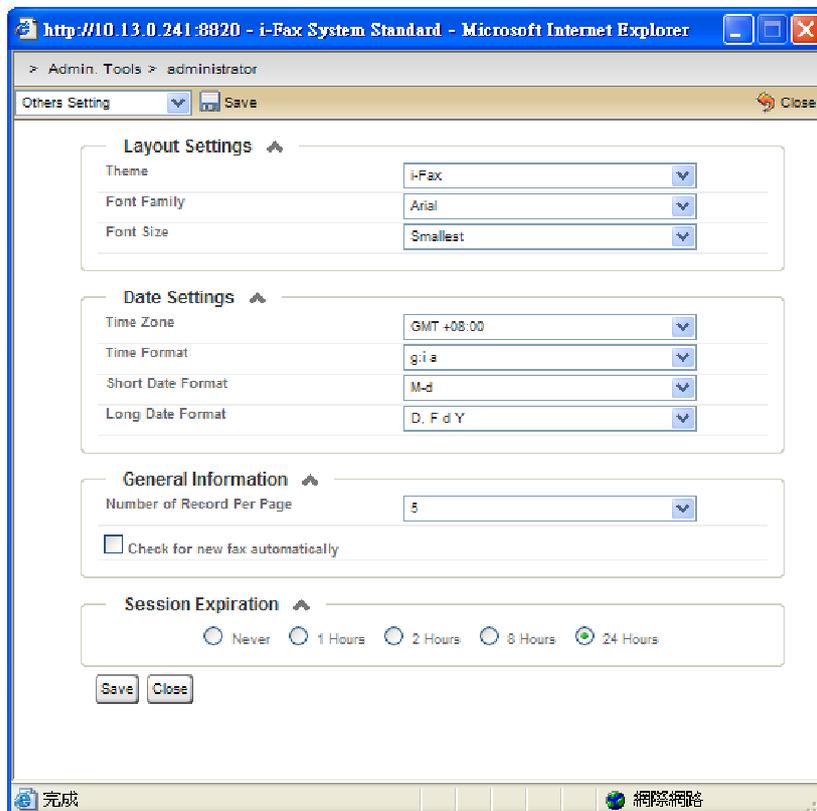
## The Reset Password Zone :



The screenshot shows a web browser window titled "http://10.13.0.241:8820 - i-Fax System Standard - Microsoft Internet Explorer". The address bar shows the URL. The browser's address bar contains "Admin. Tools > administrator". The page title is "Reset Password". The page contains a form with two input fields: "New Password" and "Re-Type Password". Below the fields is a note: "Six-character minimum; no spaces". At the bottom of the form are "Save" and "Close" buttons. The browser's status bar shows "完成" and "網際網路".

**Reset Password** To Change your password for security of your account.

## The Others Setting Zone :



The screenshot shows a web browser window titled "http://10.13.0.241:8820 - i-Fax System Standard - Microsoft Internet Explorer". The address bar shows the URL. The browser's address bar contains "Admin. Tools > administrator". The page title is "Others Setting". The page contains several sections of settings:

- Layout Settings**
  - Theme: i-Fax
  - Font Family: Arial
  - Font Size: Smallest
- Date Settings**
  - Time Zone: GMT +08:00
  - Time Format: g/a
  - Short Date Format: M-d
  - Long Date Format: D, F d Y
- General Information**
  - Number of Record Per Page: 5
  - Check for new fax automatically
- Session Expiration**
  - Never
  - 1 Hours
  - 2 Hours
  - 8 Hours
  - 24 Hours

At the bottom of the form are "Save" and "Close" buttons. The browser's status bar shows "完成" and "網際網路".

**Theme** To Changes the theme of your i-Fax account.

**Font Family** To Changes the type of the text in your i-Fax WebSite.

**Font Size** To Changes the size of the text in your i-Fax WebSite.

**Time Zone** Sets the time zone difference from Greenwich time.

**Time Format** Sets the format of which the time are displayed

**Short/Long Date Format** Sets the format of which the date are displayed

**Session Expiration** For increased security, set i-Fax User's Browser session to expire after a length of time.

## Using Active Directory LDAP Authentication

i-Fax Server can take advantage of your network's established LDAP security system by i-Fax User using integrated Active Directory Security. When logging on to i-Fax WebSite or client applications that require authentication, i-Fax Server attempts the LDAP user name and password with which you are currently logged on. If no i-Fax user name is linked, a dialog windows opens prompting you to manually enter your i-Fax user name and password.

If i-Fax User enabled integrated Active Directory Security is displayed the icon in the user list in i-Fax WebSite Control Panel.



	Login Name	User Name
Edit Delete	admin	admin
Edit Delete	administrator	Administrator,

### To enable a i-Fax User using integrated Active Directory Security

1. Edit the user properties in the user dialog windows.
2. Click the **Identification** Zone.
3. Select the **Use Integrated Active Directory Security** option.
4. Click **Save** button.

**Notes** You must install the "**Windows Services for UNIX**" on the Windows Server and configure the "**Plugin Active Directory Authentication Module**" on i-Fax Server. for more information see the Chapter "**Enabling Active Directory User Synchronization**"

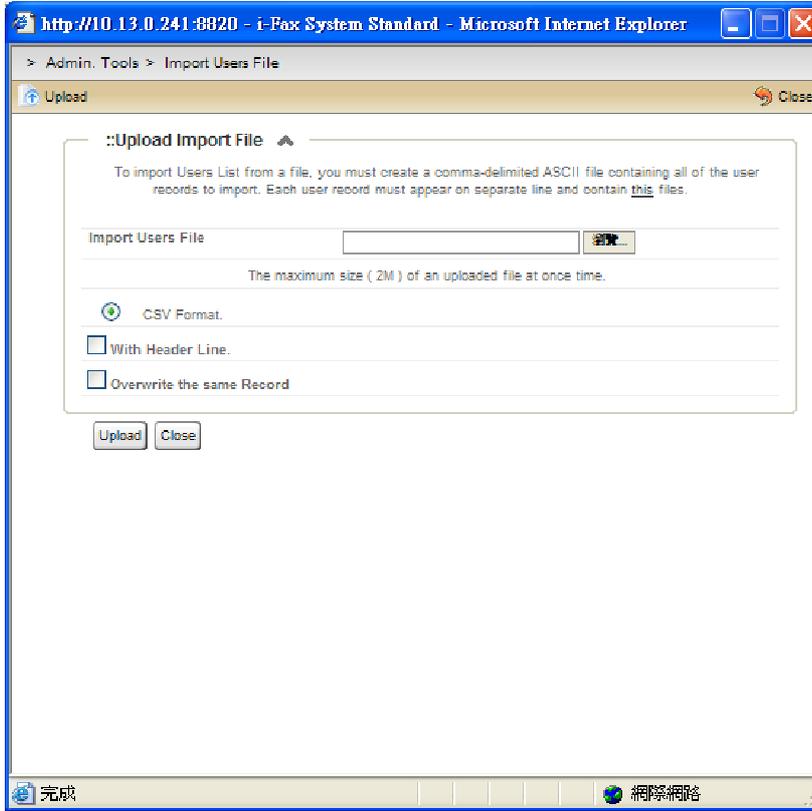
## Importing Users

The process of setting up all your users in the i-Fax Server, you can import users into the fax server from your network or from an ASCII CSV file..

### Importing users from a Active Directory

## Importing users from a file

i-Fax Server includes an utility that imports users from a comma-delimited ASCII file. To import users ID from a file, you must create a comma-delimited ASCII file containing all of the user records to import. Each individual user record must appear on a separate line and must contain XXXXX fields. The following table list each of these fields in the order the fields must appear.



1. Choose the CVS file which is your user list..
2. Tick the **"With Header Line"** if your CSV file have a header line.
3. Tick the **"Overwrite the same Record"** if you want to overwrite the same user / record.
4. Click the **"Upload"** button.
5. You need to match the i-Fax Fields with the Import Data Fields.
6. Click the **"Start"** button to start the import users

Field Name	Maximun Length	Description
LoginName	50	Unique i-Fax login name
Description	50	Descriptive user
FileFormat	10	File format to use when receiving Must be one of the following: <b>TIF,PDF or GIF</b>
RecMethod	10	Method for received faxes: <b>Email</b>
MaxEmail	10	Number of email to receive fax
FaxTries	10	Default Fax Tries setting
FaxPriority	10	Default Fax Priority setting: <b>1=Low, 3=Normal, 5=High</b>
FaxTSID	20	Default Fax TSID setting
FaxCallerID	50	Default Fax Caller ID setting
FaxAuthCode	50	Default Fax Auth Code setting
FaxNumber	100	Fax number for the user
Email	100	Email of the user
Language	50	System Language: <b>English</b> or <b>TChinese</b>
UserType	50	User Type: <b>User</b> or <b>admin</b>
Password	50	Password used to access

## Chapter 7

# Enabling Active Directory User Synchronization

i-Fax Server have a database of users. This database defines each user's profile include logon information, contact information, permissions and fax configuration. i-Fax Server have the ability to read user information from Active Directory\*. User synchronization is one direction only, meaning that i-Fax Server user properties are updated by Active Directory but Active Directory user properties are not updated by i-Fax Server. to enable Active Directory user synchronization on your i-Fax server, you need to complete the following basic steps :

1. Install the program of "Windows Services for UNIX" from Microsoft on your Active Directory Server.
2. Configure the i-Fax Server Properties to access Active Directory Server and enable user synchronization function.
3. Configure the synchronization user's profile.

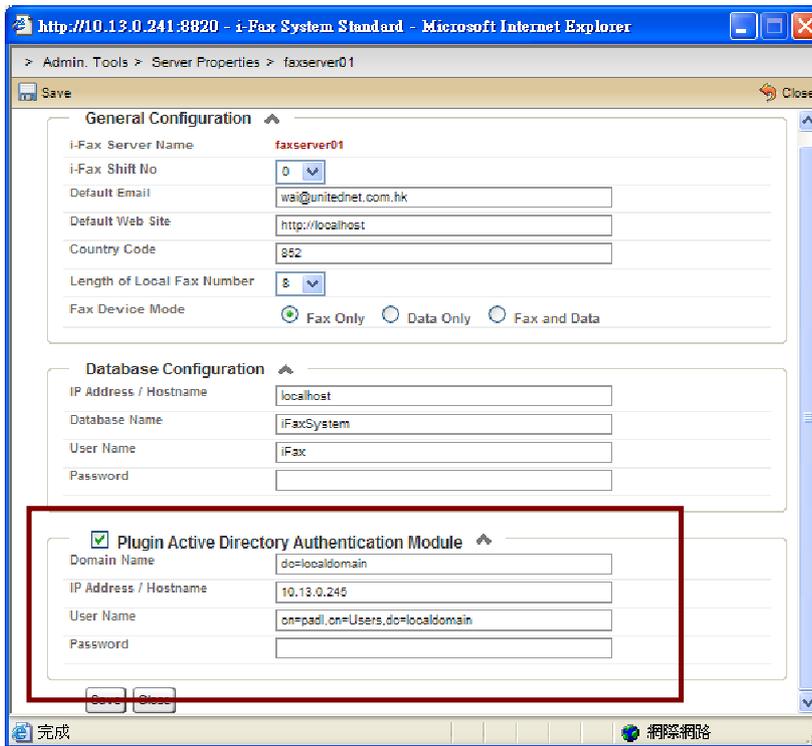
Install the program of "Windows Services for UNIX" from Microsoft on your Active Directory Server.

1. Download and install the program of "Windows Services for UNIX" (SFU35SEL\_EN.exe) from Microsoft\*
2. Open the "Active Directory Users and Computers".
3. Right click the user which you want to setup, choose "Properties".
4. In the user's Properties choose "UNIX Attributes" tab.
5. Choose the domain name in the "NIS Domain" pull down menu.
6. And input the "Primary group name/GID" be 500.

Configure the i-Fax Server Properties to access Active Directoy Server and enable user synchronization function.

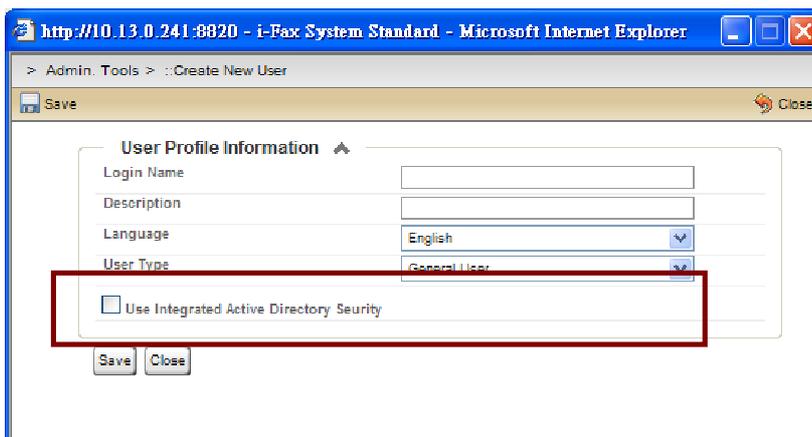
		i-Fax Server Name	Shift	Number of Devices
 Edit	 Start	faxserver01	0	1

1. Log on the i-Fax WebSite with administrator level
2. Go to the “Admin. Tools” -> “Server Properties”, and press the “Edit” button
3. Select the “Plugin Active Directory Authentication Module”
4. Enter the **Domain Name**, **IP Address**, **User Name** and **Password** for access Active Directory.
5. Click the “Save” button to save the setting



## Configure the synchronization user's profile.

1. Edit the user properties in the user dialog windows.
2. Click the **Identification Zone**.
3. Select the **Use Integrated Active Directory Security** option.
4. Click **Save** button.



## Chapter 8

# Configuring Fax Routing ( Incoming Faxes )

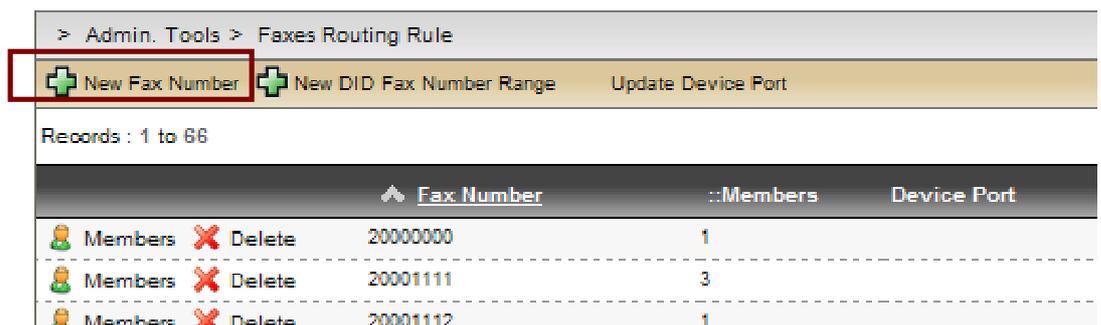
The i-Fax Server supports several ways of routing incoming faxes to special user profile in your organization. Each method has its advantages. After i-Fax has determined who should receive an incoming fax, you then have several options for how that fax should be delivered.

## Configuring Fax Routing

Each i-Fax user is assigned a fax inbox that is assigned a DID/Fax number. When a call comes in with a valid DID/Fax number, the fax is placed in the corresponding user's fax inbox. Fax Routing should be assigned to users in accordance with the number of DID digits with fax number prefix for which your services are configured.

### Adding a fax routing rule

To add a new fax routing rule, click **New Fax Number** in the icon menubar, The Fax Routing Rule dialog windows open. To configure the fax routing rule



			Fax Number	Members	Device Port
Members	Delete		20000000	1	
Members	Delete		20001111	3	
Members	Delete		20001112	1	

## Adding a fax routing rule range

To add a new fax routing rule range, click **New DID Fax Number Range** in the icon menubar, The Fax Routing Rule dialog windows open. To configure the fax routing rule

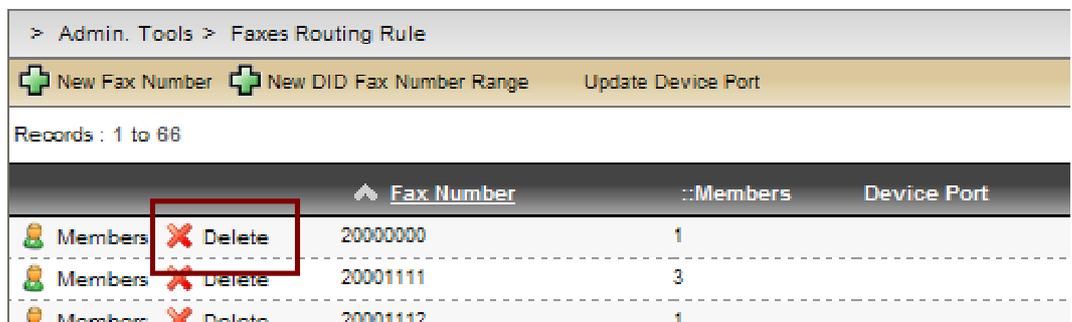


The screenshot shows the 'Admin. Tools > Faxes Routing Rule' page. At the top, there are three buttons: 'New Fax Number', 'New DID Fax Number Range' (highlighted with a red box), and 'Update Device Port'. Below the buttons, it says 'Records : 1 to 66'. A table lists existing rules with columns for 'Members', 'Fax Number', and 'Device Port'.

			Fax Number	Members	Device Port
Members	Delete		20000000	1	
Members	Delete		20001111	3	
Members	Delete		20001112	1	

## Deleting a fax routing rule

To delete a fax routing rule, select the rule to delete and click **Delete** in the **fax routing rule list**, you will be prompted for confirmation that you want to delete the rule.

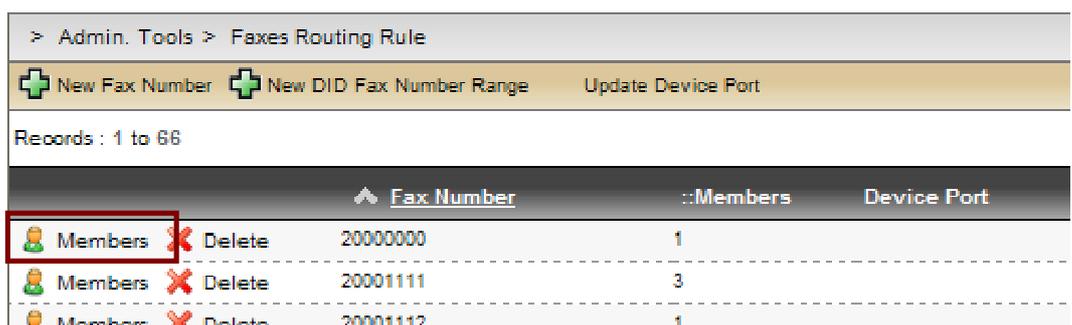


The screenshot shows the same interface as above. In the table, the 'Delete' button for the first rule (Fax Number: 20000000) is highlighted with a red box.

			Fax Number	Members	Device Port
Members	Delete		20000000	1	
Members	Delete		20001111	3	
Members	Delete		20001112	1	

## Editing members of fax routing rule

To edit the members of an existing **fax routing rule**, select the rule to edit and click **Edit** in the **fax routing rule list**.

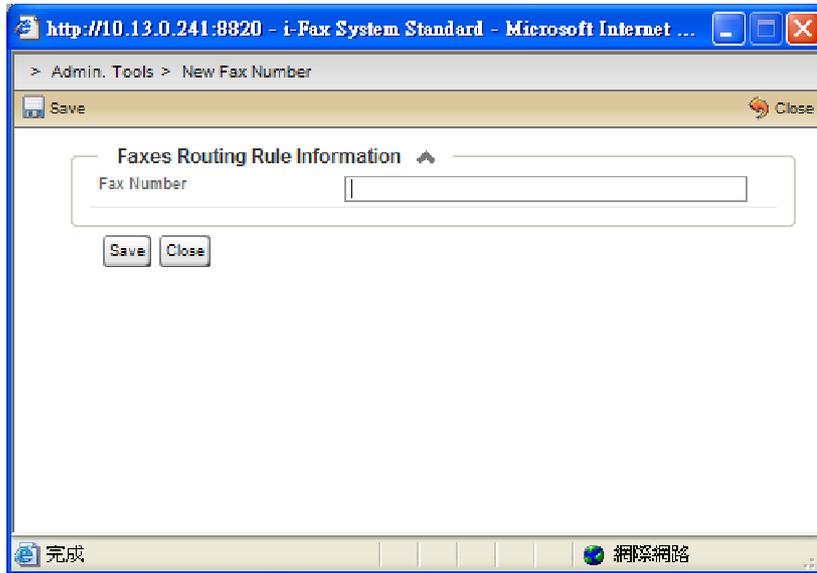


The screenshot shows the same interface as above. In the table, the 'Members' button for the first rule (Fax Number: 20000000) is highlighted with a red box.

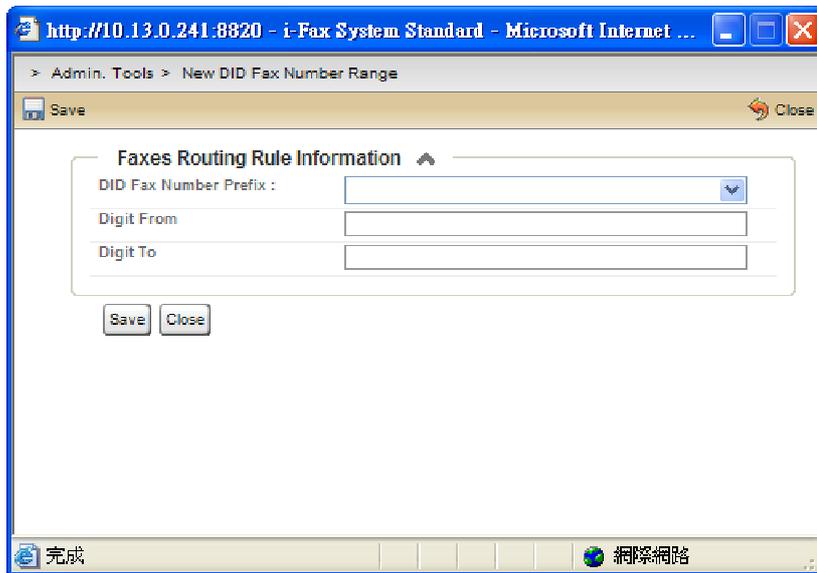
			Fax Number	Members	Device Port
Members	Delete		20000000	1	
Members	Delete		20001111	3	
Members	Delete		20001112	1	

## Creating a Fax Routing Rule

This part describes all the options in this dialog windows.



**Fax Number** The Fax Routing Rule is a unique fax number that i-Fax uses to route received faxes to the selected user.



## Configuring CSID Routing

CSID ( caller Sender Identification ) routing incoming faxes to a specific fax inbox based on the CSID of the sending device. It can be used identify the sender and thus the corresponding recipient. The CSID may be the company name or other data, and it may be impossible to match with data in i-Fax Server . For this reason, CSID routing can be an unreliable method

### Adding a CSID routing rule

To add a new csid routing rule, click **Create New CSID Routing Rule** in the icon menubar, The CSID Routing Rule dialog windows open. To configure the fax routing rule

> Admin. Tools > CSID Routing Rule

Create New CSID Routing Rule

Records : 1 to 33

			Fax Line Number	CSID	Desc
Members	Delete		1234	Hello	Testing
Members	Delete		21992820	CSID1	DESC1
Members	Delete		31405510		DFSC

### Deleting a CSID routing rule

To delete a CSID routing rule, select the rule to delete and click **Delete** in the **CSID routing rule list**, you will be prompted for confirmation that you want to delete the rule.

> Admin. Tools > CSID Routing Rule

Create New CSID Routing Rule

Records : 1 to 33

			Fax Line Number	CSID	Desc
Members	Delete		1234	Hello	Testing
Members	Delete		21992820	CSID1	DESC1
Members	Delete		31405510		DFSC

### Editing members of CSID routing rule

To edit the members of an existing **CSID routing rule**, select the rule to edit and click **Edit** in the **CSID routing rule list**.

> Admin. Tools > CSID Routing Rule

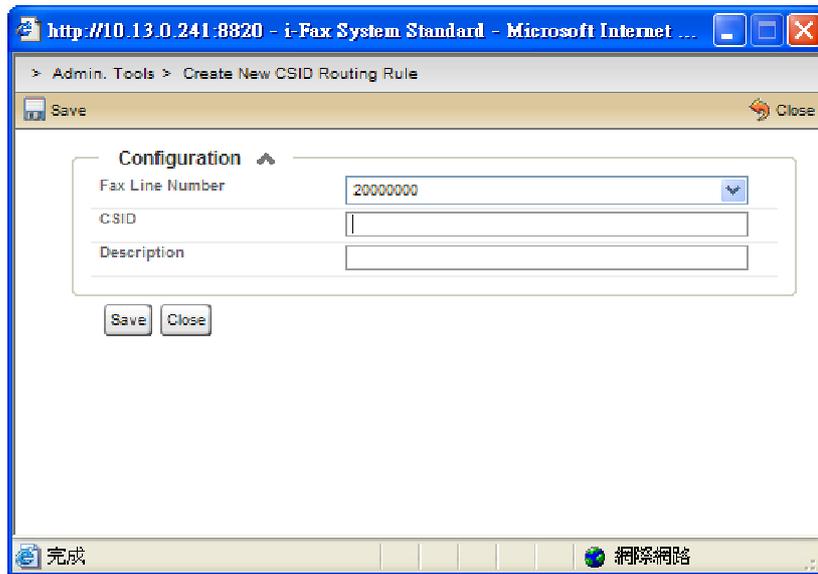
Create New CSID Routing Rule

Records : 1 to 33

			Fax Line Number	CSID	Desc
Members	Delete		1234	Hello	Testing
Members	Delete		21992820	CSID1	DESC1
Members	Delete		31405510		DFSC

# Creating a CSID Routing Rule

This part describes all the options in this dialog windows.



## Chapter 9

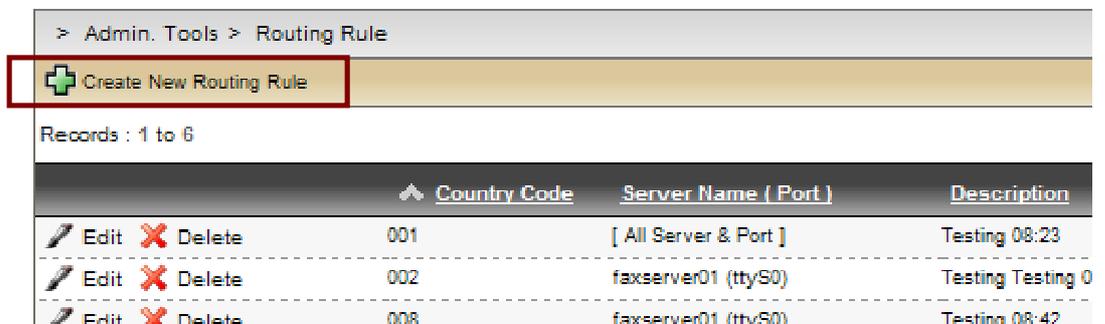
# Configuring Fax Routing ( Outgoing Faxes )

The i-Fax Server outgoing fax routing rule is comprised of several i-Fax Server components : Routing Rules, Dialing Rules and Prefix Tables.

## Configuring Routing Rule

### Adding a routing rule

To add a new routing rule, click **Create New Routing Rule** in the icon menubar, The Routing Rule dialog windows open. To configure the routing rule



		Country Code	Server Name ( Port )	Description
		001	[ All Server & Port ]	Testing 08:23
		002	faxserver01 (ttyS0)	Testing Testing 0
		003	faxserver01 (ttyS0)	Testing 08:42

### Deleting a routing rule

To delete a routing rule, select the rule to delete and click **Delete** in the **routing rule list**, you will be prompted for confirmation that you want to delete the rule.

> Admin. Tools > Routing Rule

+ Create New Routing Rule

Records : 1 to 6

		Country Code	Server Name ( Port )	Description
		001	[ All Server & Port ]	Testing 08:23
		002	faxserver01 (ttyS0)	Testing Testing 0
		008	faxserver01 (ttyS0)	Testinn 08:42

## Editing a routing rule

To edit the an existing **routing rule**, select the rule to edit and click **Edit** in the **routing rule list**.

> Admin. Tools > Routing Rule

+ Create New Routing Rule

Records : 1 to 6

		Country Code	Server Name ( Port )	Description
		001	[ All Server & Port ]	Testing 08:23
		002	faxserver01 (ttyS0)	Testing Testing 0
		008	faxserver01 (ttyS0)	Testinn 08:42

## Creating Routing Rules

This part describes all the options in this dialog windows.

> Admin. Tools > Create New Routing Rule

Save Close

Configuration

Country Code

Server Name ( Port ) [ All Server & Port ]

Description

Save Close

完成 網際網路

**Country Code** .

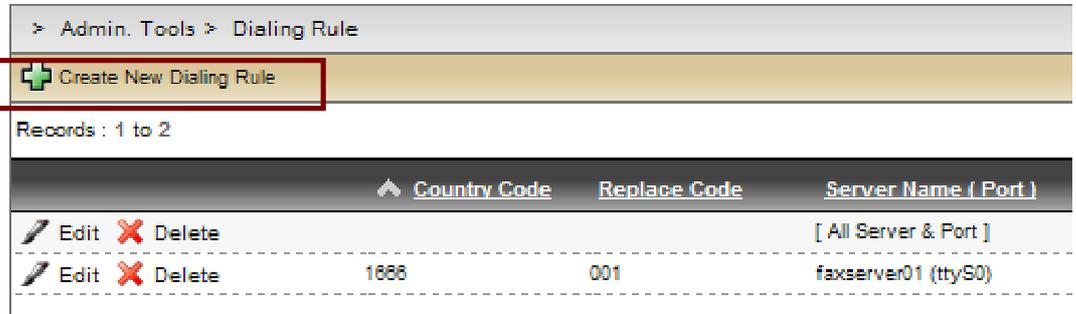
**Server Name ( Port )** .

**Description** .

# Configuring Dialing Rule

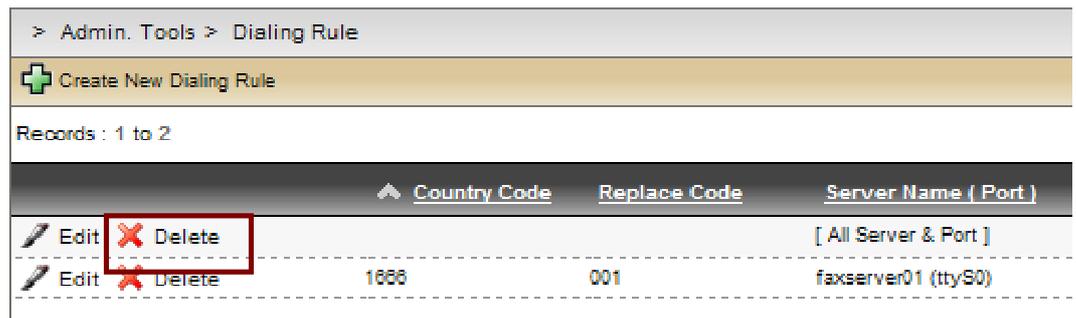
## Adding a dialing rule

To add a new dialing rule, click **Create New Dialing Rule** in the icon menubar, The dialing Rule dialog windows open. To configure the dialing rule



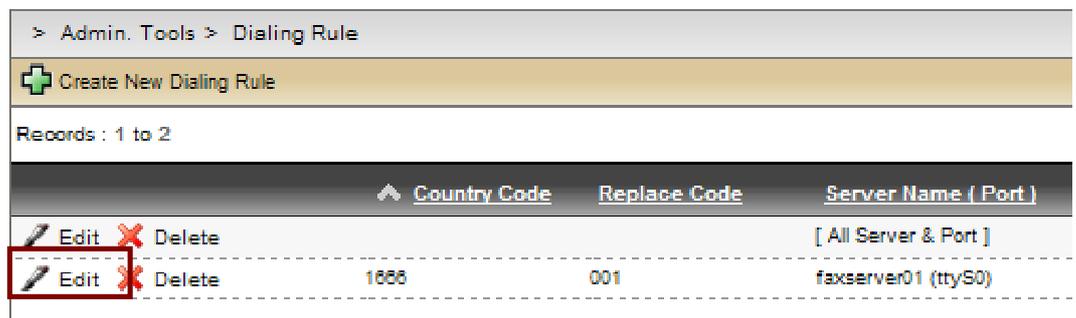
## Deleting a dialing rule

To delete a dialing rule, select the rule to delete and click **Delete** in the **dialing rule list**, you will be prompted for confirmation that you want to delete the rule.

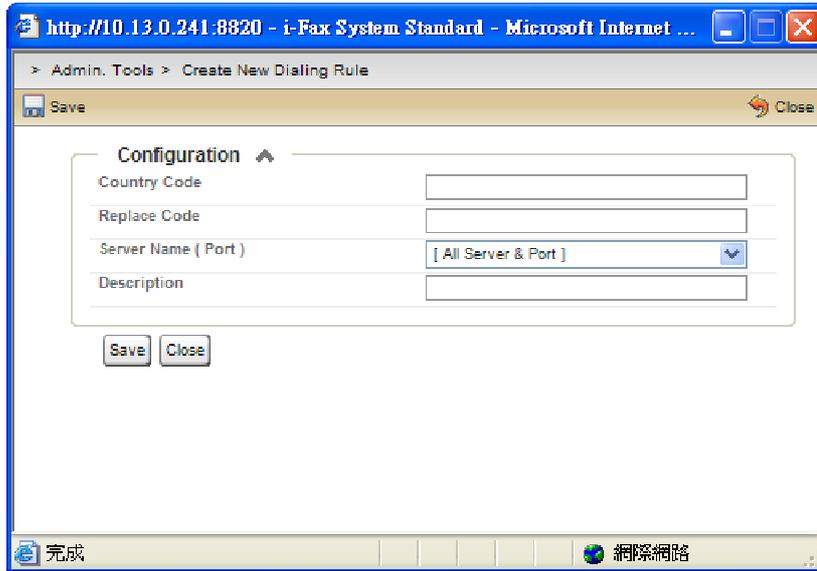


## Editing a dialing rule

To edit the an existing **dialing rule**, select the rule to edit and click **Edit** in the **dialing rule list**.



# Creating a Dialing Rules



**Country Code** .

**Replace Code** .

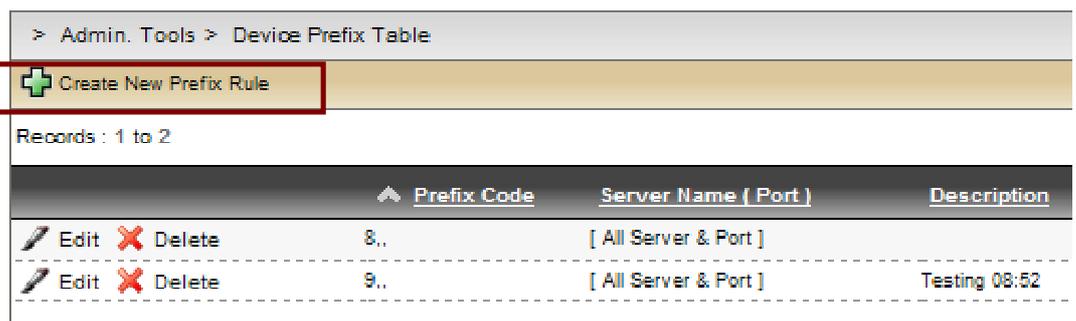
**Server Name ( Port )** .

**Description** .

## Configuring Prefix Table

### Adding a prefix table

To add a new prefix table, click **Create New Prefix Rule** in the icon menubar, The prefix table dialog windows open. To configure the prefix table.



### Deleting a prefix table

To delete a prefix table, select the rule to delete and click **Delete** in the **prefix table list**, you will be prompted for confirmation that you want to delete the rule.

> Admin. Tools > Device Prefix Table

+ Create New Prefix Rule

Records : 1 to 2

		Prefix Code	Server Name ( Port )	Description
 Edit	 Delete	8..	[ All Server & Port ]	
 Edit	 Delete	9..	[ All Server & Port ]	Testing 08:52

## Editing a routing rule

To edit the an existing **routing rule**, select the rule to edit and click **Edit** in the **routing rule list**.

> Admin. Tools > Device Prefix Table

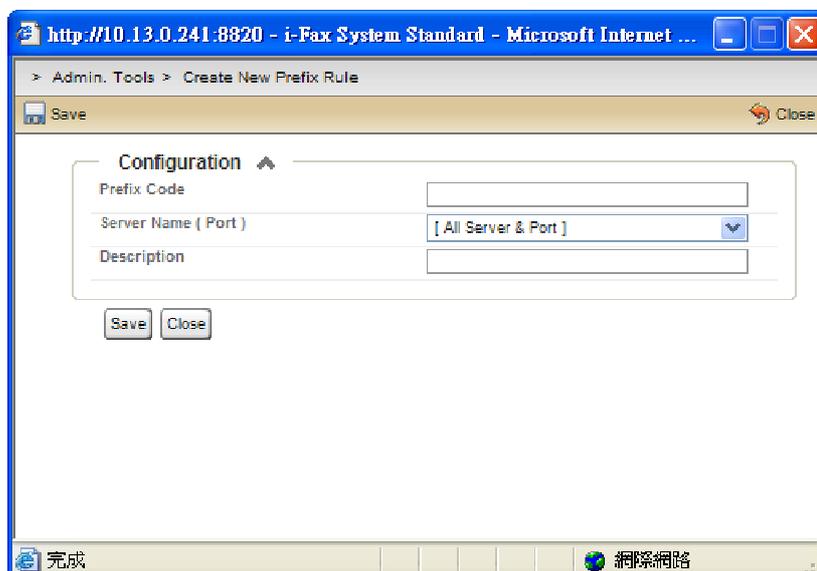
+ Create New Prefix Rule

Records : 1 to 2

		Prefix Code	Server Name ( Port )	Description
 Edit	 Delete	8..	[ All Server & Port ]	
 Edit	 Delete	9..	[ All Server & Port ]	Testing 08:52

## Creating Prefix Rule

This part describes all the options in this dialog windows.



**Prefix Code** .

**Server Name ( Port )** .

**Description** .

# Routing Rules Examples

## Routing Examples

## Chapter 10

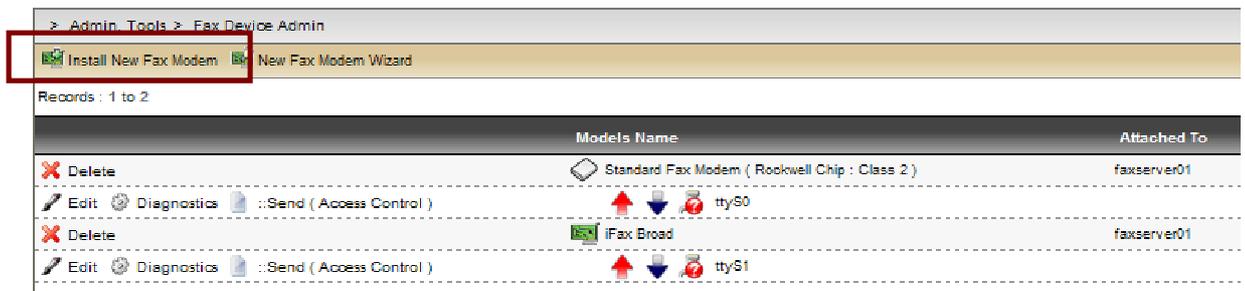
# Configuring Modem Devices

i-Fax Server can use many fax devices, including modems, we strongly recommend investing in a professional fax device such as a **Multitech** fax card or **Eicon Diva Pro/Server ISDN** fax card, these devices are far superior to modem or multi-port modem in terms of reliability and transmission speed. Modems can be unreliable, requiring regular resets, and are frequently not compatible with all fax machines, resulting in failed faxes. The chipset used is an important factor

## Configuring Modem Device

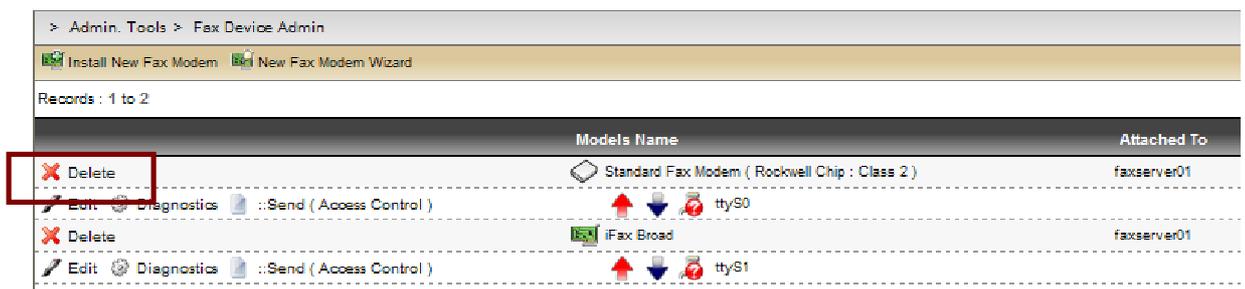
### Adding a modem device

To add a new modem device, click **Install New Fax Modem** in the icon menubar, The Fax Modem dialog windows open. To configure the fax modem



### Deleting a modem device

To delete a modem device, select the modem to delete and click **Delete** in the **modem device list**, you will be prompted for confirmation that you want to delete the modem device.



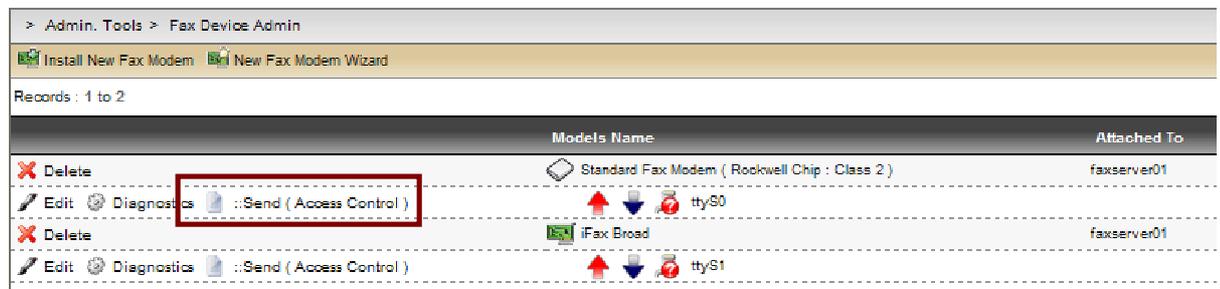
## Editing a modem device

To edit the existing **modem device**, select the modem to edit and click **Edit** in the **modem device list**.



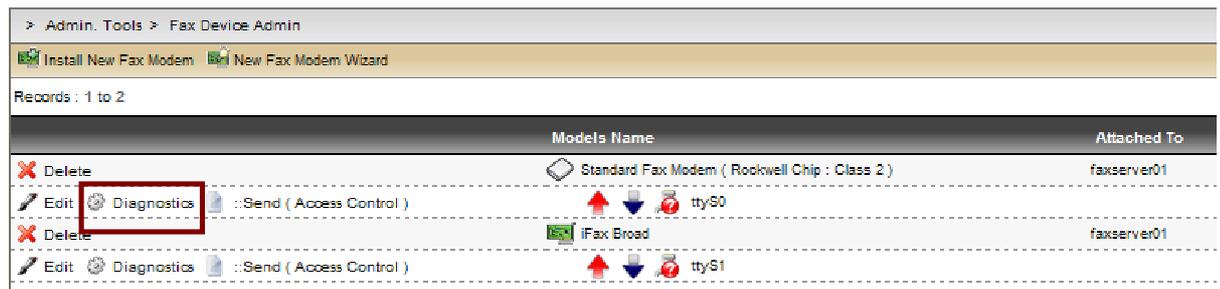
## Setting a modem device ( access control )

To edit the access control of existing **modem device**, select the modem to edit and click **Send ( Access Control )** in the **modem device list**.



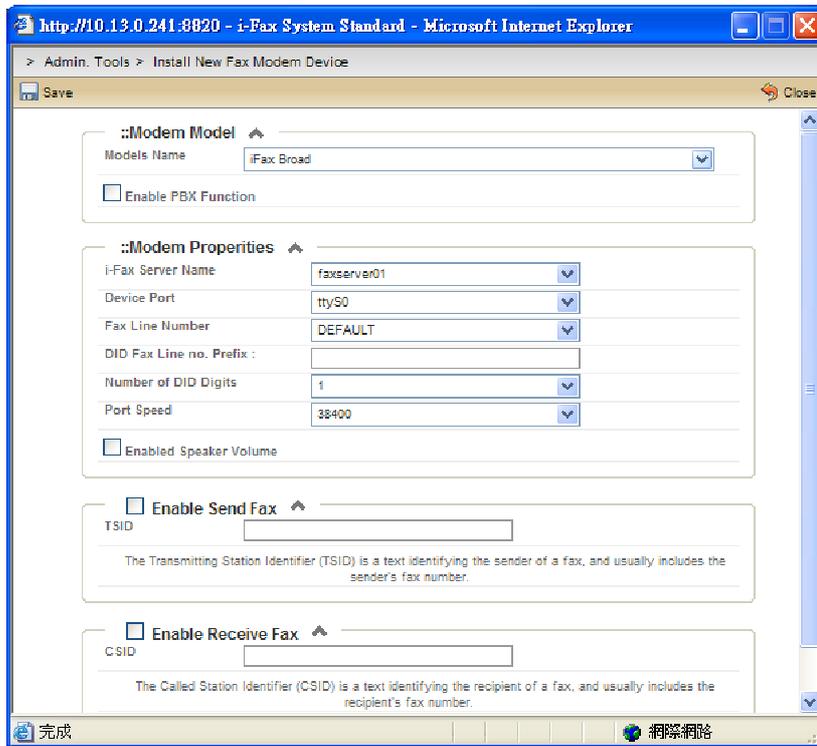
## Diagnosing a modem device

To diagnose the existing **modem device**, select the modem to edit and click **Diagnostics** in the **modem device list**.



## Creating a modem device.

To add a new modem device, click **Install New Fax Modem** in the icon menubar, The Modem dialog windows opens. It must be configured to work with i-Fax, To configure the fax modem.



**Models Name** Specify the model type of fax device installed..

**Enable PBX Function** .

**i-Fax Server Name** Specify the name of i-Fax Server .

**Device Port** The com port setting used for modem device in the i-Fax Server. make sure the selected port does not conflict with other hardware in the system..

**Fax Line Number** Specify the Fax Routing Rule for this modem device.

**DID Fax Line no. Prefix ( DID/PBX Service only )** .

**Number of DID Digits ( DID/PBX Service only )** Specify the number of digits being sent to you by DID service provider during incoming faxes. This value is maintained by your DID service provider when you DID service is installed.

*Notes .: Please contact your DID service provider if you are not sure how many digits are being forwarded.*

**Port Speed** .

**Enabled Speaker Volume** Enables the speaker volume of this modem device .

**Enable Send Fax** Enables this modem device for send fax function by i-Fax Server.

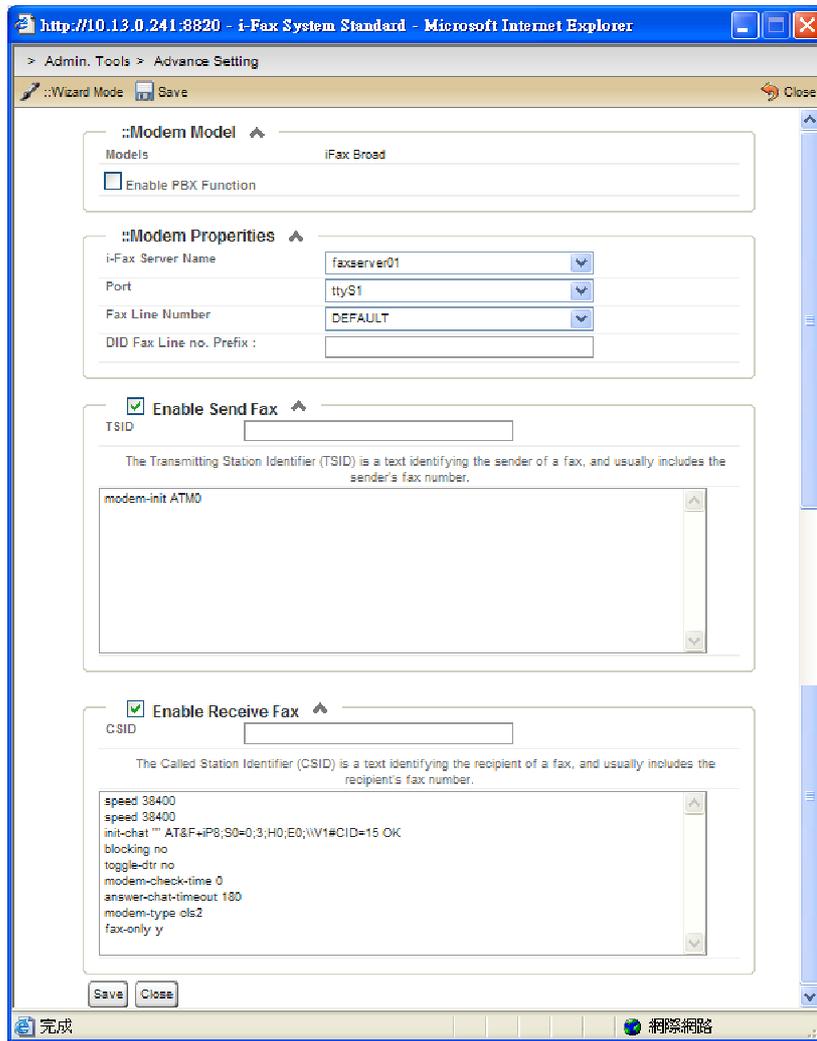
**TSID** The Transmitting Station Identifier (TSID) is a text identifying the sender of a fax, and usually includes the sender's fax number.

**Enable Receive Fax** Enables this modem device for receive fax function by i-Fax Server.

**CSID** The Called Station Identifier (CSID) is a text identifying the recipient of a fax, and usually includes the recipient's fax number.

## Editing a modem device initial string in Advance Mode

To edit the initial string of existing **modem device**, select the modem to edit and click **Advance** in the modem dialog windows opens



Notes : For more information the Modem Init String, please see our web page <http://www.unitednets.com/initstrings.htm> )

## Chapter 11

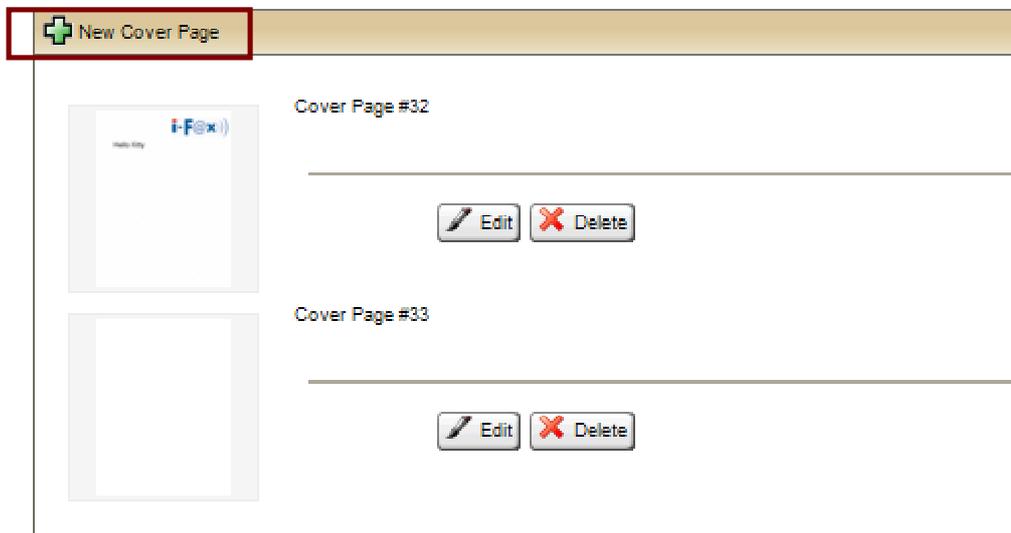
# Creating Fax Cover pages

i-Fax Server have the designer for created the cover pages template. The Fax cover pages are saved as samples on the i-Fax Server. you can include both text, image and special fields, and you can create cover pages template files, each for specific users for use with different type s of outgoing faxes. Fax cover pages can include special fields that will display the information of recipient's and other information.

## Configuring Cover Pages

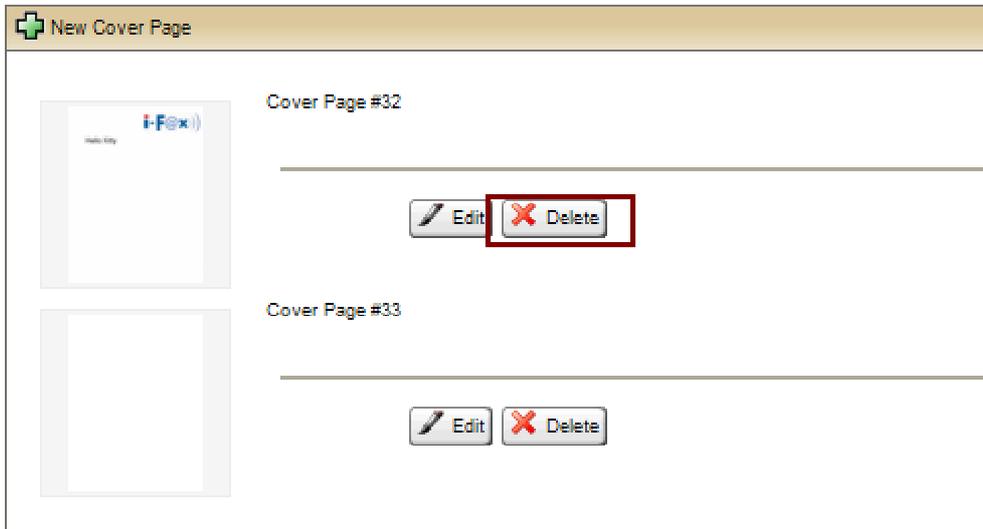
### Adding a cover pages

To add a new cover pages, click **New Cover Page** in the icon menubar, The cover page designer open. To configure the cover page.



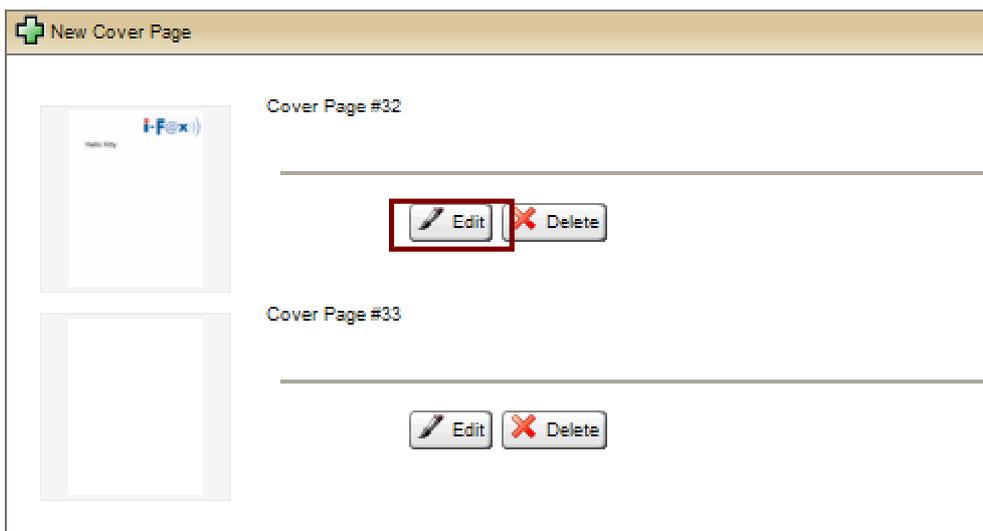
### Deleting a cover pages

To delete a cover pages, select the cover page to delete and click **Delete** in the **cover page list**, you will be prompted for confirmation that you want to delete the cover page.



## Editing a cover page

To edit the existing **cover page**, select the cover page to edit and click **Edit** in the **cover page list**.



## Creating a Cover Page

To add to the cover page selection by modifying and customizing the i-Fax Server cover pages in Cover Page Designer. Use the Cover Page Designer tools to draw objects, add text, stamps and graphics. Alternately, design your own cover page in Cover Page Designer.



**Add Image** Insert your image on the cover pages. You can drag the cursor to the location where you want to move your image. The image dialog appears if you double click the image area.

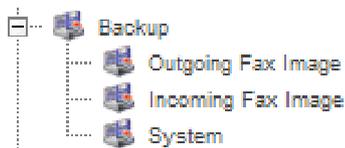
**Add Text** Insert the text on the cover pages. You can drag the cursor to the location where you want to move your text. The text dialog appears if you double click the text area.

**Add Variable** Insert the i-Fax Server variables on the cover pages. Such as the sender's name, recipient's name and document data, etc. can drag the cursor to the location where you want to move your variable. The variable dialog appears if you double click the variable area.

## Chapter 12

# Backing Up and Maintaining i-Fax

The i-Fax Server have utilities for backup up your server's fax data and system configuration. i-Fax Server automatically backup your database, fax images and system configuration files are compressed daily without to shutdown the fax server. at a specified time of day ( 4:00 am ).



### To enabled the Outgoing Fax Image Backup Function

1. On the i-Fax Server WebSite, click the **Backup** on the left panel.
2. Click the “ **Outgoing Fax Image Backup Function** ”.

**Outgoing Fax Image Backup Function** ▲

Enabled

Folder Path /var/spool/fax/backup/00000001/FaxOutbox

Folder Size 32 KB

---

Backup faxes sent ( Creates a copy of all outgoing faxes in a above directory. )

### To enabled the Incoming Fax Image Backup Function

1. On the i-Fax Server WebSite, click the **Backup** on the left panel.
2. Click the “ **Incoming Fax Image Backup Function** ”.

**Incoming Fax Image Backup Function** ▲

Enabled

Folder Path /var/spool/fax/backup/00000001/FaxInbox

Folder Size 0 KB

---

Backup faxes received ( Creates a copy of all incoming faxes in a above directory. )

## To enabled the System Daily Automatic Backup Function

1. On the i-Fax Server WebSite, click the **Backup** on the left panel.
2. Click the “ **System Daily Automatic Backup Function** “.

System Daily Automatic Backup Function ▲	
<input type="checkbox"/> Enabled	
File Path	/var/spool/fax/backup/systemdata.tar
File Size	64.7 MB

## To enabled the Data Daily Automatic Backup Function

1. On the i-Fax Server WebSite, click the **Backup** on the left panel.
2. Click the “ **Data Daily Automatic Backup Function** “.

Data Daily Automatic Backup Function ▲	
<input type="checkbox"/> Enabled	
File Path	/var/spool/fax/backup/faxdata.tar
File Size	2 GB

## Backing up i-Fax Server with a other backup system

The i-Fax Server files can be backed up using any hard disk or tape backup system. The following folders can be backed up at any time with stopping the fax server :

```
/etc/ifax  
/usr/local/ifax4  
/var/lib/mysql  
/var/spool/fax/backup  
/var/spool/fax/incoming  
/var/spool/fax/outgoing
```

## Purging Deleted Fax Images from the i-Fax Server

i-Fax Server stores records of all faxes, even if users have deleted the faxes from their trash can. When a user delete a fax, the fax image is still saved on the server.

### To change the length of days i-Fax Server keeps deleted fax images

1. On the i-Fax Server WebSite, click the **Admin Tools** on the left panel.
2. Click the **Maintenance** Panel.
3. Click the enabled the **Automatic Purging Deleted Fax Images**
4. In the **Keep Deleted Fax Images Day(s)** input field, enter the number of day(s) to keep deleted.

## Database Checking

We recommend that you periodically check the i-Fax database for errors in the key files and record files. You must shut down i-Fax services, then run **mysqlcheck** command to check and repair your database.

**Syntax :** `mysqlcheck -r [ i-Fax Server Database Name ]`

**Example :** `mysqlcheck -r iFaxSystem`

**Warning** You must shut down i-Fax services before run the mysqlcheck command.

## Using the i-Fax Server Shell Command

## Chapter 13

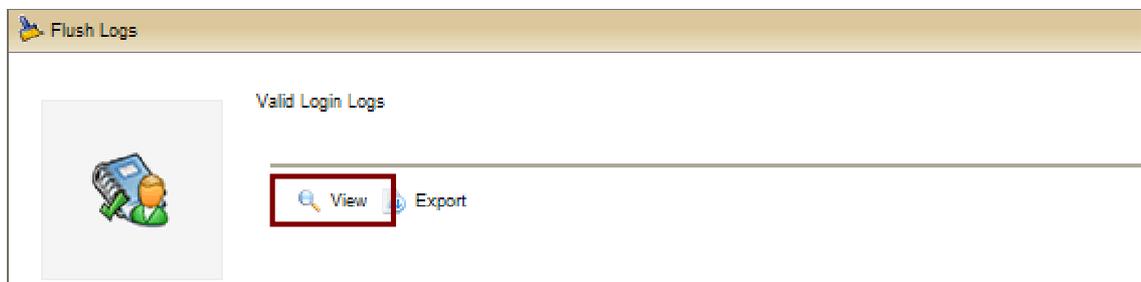
# i-Fax Server Log

The i-Fax Server stores detailed information about all sent, received fax and login transactions. In the Logs list, the following log are available :

<b>Valid Login Logs</b>	provide data about the user login successfully of the i-Fax Server
<b>Invalid Login Logs</b>	provide data about the user invalid login of the i-Fax Server
<b>Incoming Faxes Log</b>	provide data about the faxes that are received by the i-Fax server.
<b>Outgoing Faxes Log</b>	provide data about the faxes that are transmitted from the i-Fax Server

## Viewing the Logs

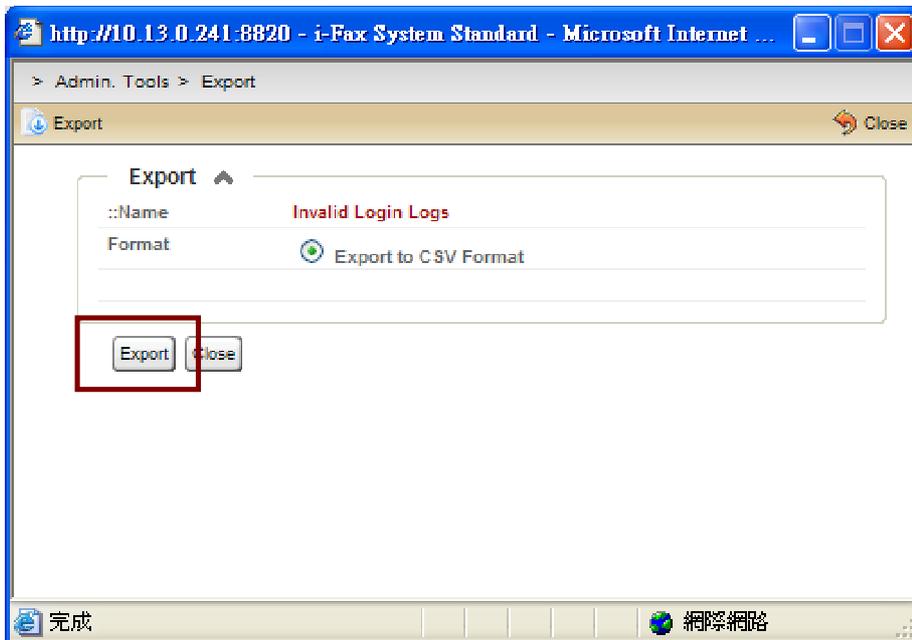
1. In the **logs control panel**, Click the **View** button.



## Exporting the Logs to a File

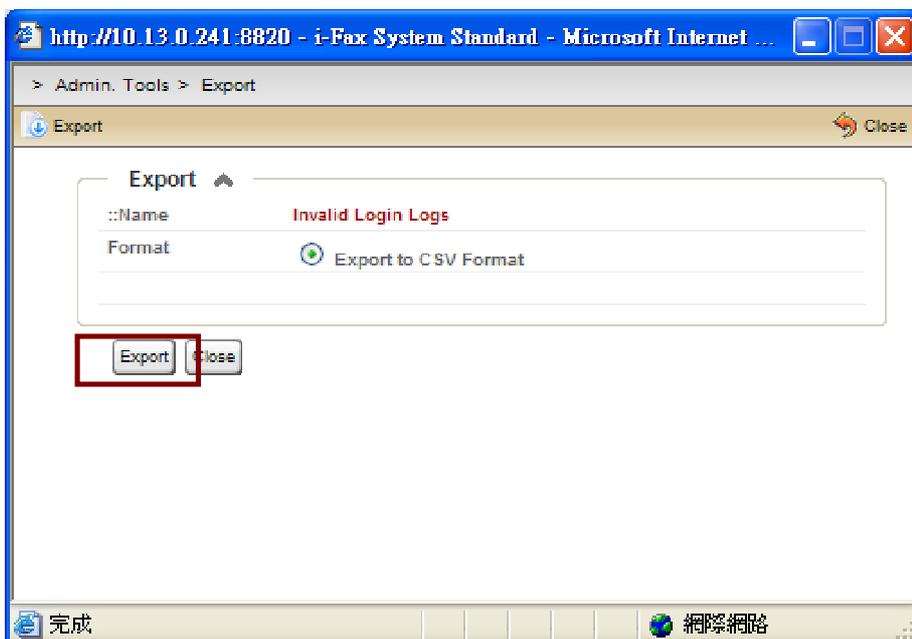
1. In the **right panel**, Click the **Export** button.
2. Choose the desired Export Format
3. Click **Export** button





## Flushing the Valid Login Logs and Invalid Login Logs

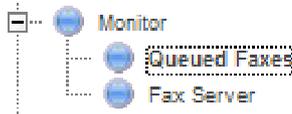
1. In the **logs control panel**, Click the **Flush Logs** button.
2. In the **Date Format** \* input field, enter the date to flush the valid and invalid login logs before this date.  
**Remark** : Data Format is **YYYYMMDD** ( e.g. 20071030 is 2007-Oct-30 )
3. Click **Confirm** button.



## Chapter 14

# Outgoing Fax Monitor

i-Fax Server have monitor the status of outgoing fax from your fax queue. :



The Queued Faxes show you all faxes that are waiting to be sent. You can delete faxed from the all queues that you wish to cancel.

> Monitor > Fax Queue						
Records : 1 to 0						
	ID (Page)	Recipient	Submit Date	Retry	Login Name	Status
Delete	00000000 (1)	21992890	4:07 pm	0/9	administrator	Queue

Appendix A

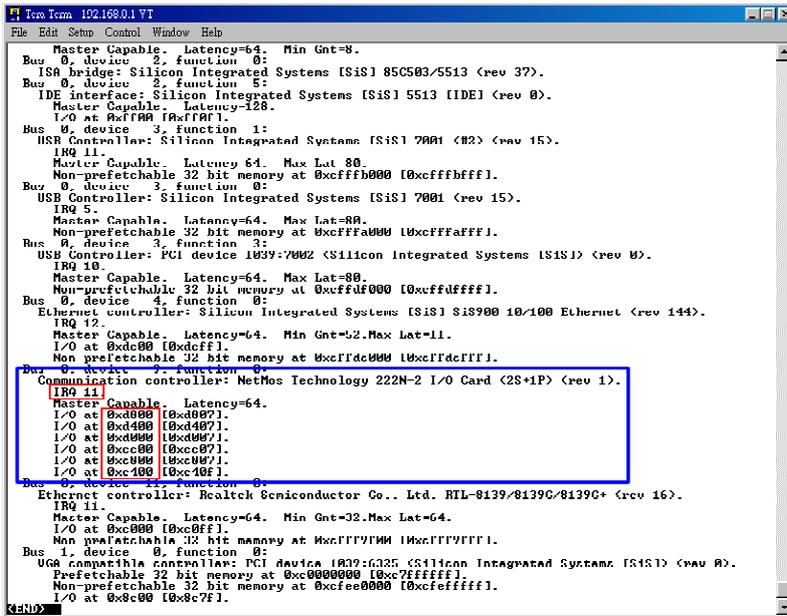
# **Advanced Setting**

## Appendix B

# PCI Serial Card Setting

## How to Configuring PCI Serial Card

Confirm that the base IRQ and I/O address in the motherboard. View the file “`/proc/pci`” to mark down the IRQ and I/O.



```
Termin 192.168.0.1 VT
File Edit Setup Control Window Help
Bus 0, device 2, function 0:
Master Capable. Latency=64. Min Gnt=8.
ISA bridge: Silicon Integrated Systems [SiS] 85C503/5513 (rev 37).
Bus 0, device 2, function 5:
IDE interface: Silicon Integrated Systems [SiS] 5513 [IDE] (rev 0).
Master Capable. Latency=128.
I/O at 0xffff [0xffff].
Bus 0, device 3, function 1:
IIR Controller: Silicon Integrated Systems [SiS] 7001 (M2) (rev 15).
IRQ 11.
Master Capable. Latency=64. Max Lat=80.
Non-prefetchable 32 bit memory at 0xffff000 [0xffffbfff].
Bus 0, device 3, function 0:
USB Controller: Silicon Integrated Systems [SiS] 7001 (rev 15).
IRQ 5.
Master Capable. Latency=64. Max Lat=80.
Non-prefetchable 32 bit memory at 0xffff000 [0xfffffff].
Bus 0, device 3, function 3:
USB Controller: PCI device 1039:7002 (Silicon Integrated Systems [SiS]) (rev 0).
IRQ 10.
Master Capable. Latency=64. Max Lat=80.
Non-prefetchable 32 bit memory at 0xffff000 [0xfffffff].
Bus 0, device 4, function 0:
Ethernet controller: Silicon Integrated Systems [SiS] SiS900 10/100 Ethernet (rev 144).
IRQ 12.
Master Capable. Latency=64. Min Gnt=32. Max Lat=11.
I/O at 0xdc00 [0xdcff].
Non-prefetchable 32 bit memory at 0xc1dc000 [0xc1dcfff].
Bus 0, device 7, function 0:
Communication controller: NetMos Technology 222N-2 I/O Card (2S+1P) (rev 1).
IRQ 11.
Master Capable. Latency=64.
I/O at 0xd000 [0xd007].
I/O at 0xd400 [0xd407].
I/O at 0xc000 [0xc007].
I/O at 0xc000 [0xc007].
I/O at 0xc000 [0xc007].
I/O at 0xc400 [0xc407].
Bus 0, device 11, function 0:
Ethernet controller: Realtek Semiconductor Co., Ltd. RTL-8139/8139C/8139C+ (rev 16).
IRQ 11.
Master Capable. Latency=64. Min Gnt=32. Max Lat=64.
I/O at 0xc000 [0xc0ff].
Non-prefetchable 32 bit memory at 0xcff9f000 [0xcff9ffff].
Bus 1, device 0, function 0:
UGM compatible controller: PCI device 1039:6325 (Silicon Integrated Systems [SiS]) (rev 0).
Prefetchable 32 bit memory at 0xc000000 [0xc7ffffff].
Non-prefetchable 32 bit memory at 0xcfee0000 [0xcfeffffff].
I/O at 0x8c00 [0x8c7f].
```

Edit the file " /etc/rc.serial " COM Port, I/O and IRQ.

```
Tera Term - 192.168.0.1 VT
File Edit Setup Control Window Help
#####
# MANUAL CONFIGURATION
# If you want to do manual configuration of one or more of your
# serial ports, uncomment and modify the relevant lines.
#####
# These are the standard COM1 through COM4 devices
#
#<SETSERIAL /dev/cua0 uart 16450 port 0x3F8 irq 4
#<SETSERIAL /dev/cua1 uart 16450 port 0x2F8 irq 3
#<SETSERIAL /dev/cua2 uart 16450 port 0x3E8 irq 4
#<SETSERIAL /dev/cua3 uart 16450 port 0x2E8 irq 3
#<SETSERIAL /dev/cua0 uart 16550 port 0x3F8 irq 4
#<SETSERIAL /dev/cua1 uart 16550 port 0x000 irq 11
#<SETSERIAL /dev/cua2 uart 16550 port 0xd400 irq 11
#<SETSERIAL /dev/cua2 uart 16550 port 0x3E8 irq 5
#<SETSERIAL /dev/cua3 uart 16550 port 0x2F8 irq 9
#<SETSERIAL /dev/ttyS0 uart 16550 port 0x3F8 irq 4
#<SETSERIAL /dev/ttyS1 uart 16550 port 0x000 irq 11
#<SETSERIAL /dev/ttyS2 uart 16550 port 0xd400 irq 11
#<SETSERIAL /dev/ttyS3 NAME ttyS3 PORT 0x100 irq 5
#<SETSERIAL /dev/ttyS3 uart 16550 port 0x2E8 irq 9
#
# These are the first set of ASI Fourport ports
#<SETSERIAL /dev/cua4 uart 16450 port 0x100 irq 9 fourport
#<SETSERIAL /dev/cua5 uart 16450 port 0x108 irq 9 fourport
#<SETSERIAL /dev/cua6 uart 16450 port 0x1B0 irq 9 fourport
#<SETSERIAL /dev/cua7 uart 16450 port 0x1B8 irq 9 fourport
#
# These are the second set of ASI Fourport ports
#<SETSERIAL /dev/cua8 uart 16450 port 0x200 irq 5 fourport
#<SETSERIAL /dev/cua9 uart 16450 port 0x208 irq 5 fourport
#<SETSERIAL /dev/cua10 uart 16450 port 0x2B0 irq 5 fourport
#<SETSERIAL /dev/cua11 uart 16450 port 0x2B8 irq 5 fourport
#
# These are the 3rd and 4th ports on the Accent Async board.
#<SETSERIAL /dev/cua12 uart 16450 port 0x330 irq 4
#<SETSERIAL /dev/cua13 uart 16450 port 0x338 irq 4
#
# These are two spare devices you can use to customize for
# some board which is not supported above....
#<SETSERIAL /dev/cua14 uart XXXXX port XXXXX irq X
#<SETSERIAL /dev/cua15 uart XXXXX port XXXXX irq X
#
```

Add a line " /etc/rc.serial " in the end of the file " /etc/rc.d/rc.local "

```
Tera Term - 192.168.0.1 VT
File Edit Setup Control Window Help
IW /etc/rc.local (Modified) Row 9 Col 1 10:19 Ctrl-K H for help
# /bin/sh
# This script will be executed *after* all the other init scripts.
# You can put your own initialization stuff in here if you don't
# want to do the full Sys V style init stuff.
touch /var/lock/subsys/local
/etc/rc.serial
```

## Appendix C

# Software Specification

### i-Fax Pro LE

- Fax to Email
- Fax Line to Email
- PBX Fax Routing
- DTMF Fax Routing
- CSID to Email
- Web GUI Interface
- Junk Fax Filter Function
- Fax to Print
- Web to Print
- Send Fax
- Fax Broadcasting
- Multi Users & Fax Lines
- Fax Logs
- Multi Language Support
- API

### i-Fax Pro Communication Server – Standard Edition Version

- Fax to Email
- PBX Fax Routing
- DTMF Fax Routing
- DID/DDI Fax to Email Support
- DID/DDI Fax to Print
- CSID to Email
- Fax Line to Email
- Web GUI
- Junk Fax Filter Function
- Fax to Print
- Web to Fax
- Send Fax
- Fax Broadcasting
- Multi Users & Fax Lines
- Fax Logs
- Multi Language Support
- Fax Forwarding
- Auto-Reply Fax Function
- API



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Customization to specific tasks and corporate needs is available



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