



## User Guide Esend Plugin Client



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HelpSystems is a leading provider of systems & network management, business intelligence, and security & compliance software. We help businesses reduce data center costs by improving operational control and delivery of IT services.

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# Welcome to Esend

The Esend Plug-in for iSeries Navigator<sup>1</sup> provides a single point of access to functions previously available only from a 'green screen' terminal or 5250 emulation session. This graphical environment makes Esend easy to use and maintain.

All features of Esend fall into one of the three categories below:

## **Esend Configuration**

Create and maintain Library Lists, Options, Address Books, Server Configuration, Outq Forwarding Rules, and Report Distribution Rules.

## **Esend Administration**

Work with email server jobs, start and stop servers, and track sent mail.

## **Work with Printed Output**

All of the Esend 'output' capabilities start with printed output: Sending Mail, Sending files to the IFS, Converting spool files to PDF, Report Bursting/Distribution, and basic spoolfile copy and move.

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1. Access to the Esend Plug-in requires a license to Enhanced Esend.

## **Contacting HelpSystems**

Please contact HelpSystems for questions or to receive information about Esend. You can contact HelpSystems to receive technical bulletins, updates, program fixes, and other information via email, Internet, or fax.

### **For general HelpSystems Technology Information**

HelpSystems can be reached by calling 952-933-0609.

### **For technical support or information...**

Call our general number, 952-933-0609, and ask for technical support.

-or-

Send an email to [chi.support@helpsystems.com](mailto:chi.support@helpsystems.com)

### **For information on HelpSystems products, services, and partner programs...**

Go to the HelpSystems home page:

[www.helpsystems.com](http://www.helpsystems.com)

### **To download documentation, software, or the latest program fixes...**

Go to the HelpSystems home page:

[www.helpsystems.com](http://www.helpsystems.com)

## **Esend Requirements**

Sending Internet mail with Esend from your iSeries requires several components. If you meet the following requirements and you can successfully send mail from your LAN, you should be able to e-mail from the iSeries through the Internet or your local intranet.

### **iSeries**

- A RISC based iSeries system at V4R4M0 or higher.
- A TCP/IP connection from your iSeries to your LAN.
- A connection between your LAN and an Internet gateway.
- Access to a mail router (your Internet service provider, MS Exchange, etc.).
- iSeries TCP/IP Connectivity Utilities (no charge license program).  
For V4R4 on up: 5769TC1 or 5722TC1 TCP/IP Connectivity Utilities.

### **Personal Computer**

Your Personal Computer should have:

- 20Mb of available disk space.
- 128Mb of memory.
- Pentium processor.
- Graphics resolution of 800x600 or higher.
- Windows 9x/ME/XP/2000/NT.
- AS/400 Client Access Express version V4R5 or higher.

### **TCP/IP Setup**

TCP/IP setup is beyond the scope of this document. For instructions on basic TCP/IP configuration see:

**OS/400 TCP/IP Fastpath Setup (SC41-5430)**

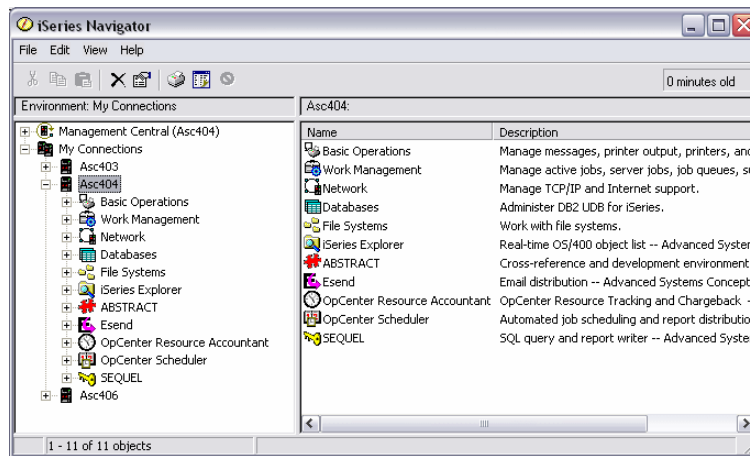
## **Esend Plug-in Installation**

Refer to the Help/FACTS - Instructions for Installing or Updating to ESEND 3.0 - for installation instructions.

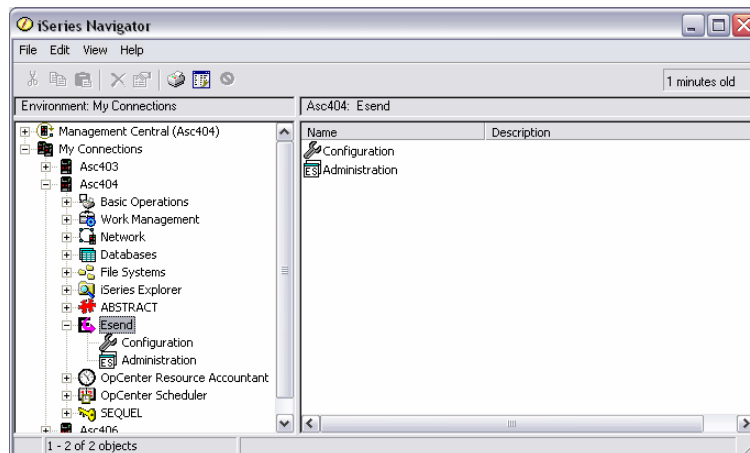
# Esend and the iSeries Environment

## The iSeries Navigator Environment

Esend is a plugin for the iSeries Navigator. After installation Esend appears as a 'node' under each system defined in the navigator. In the screen below, Esend appears under a system called 'ASC404'.

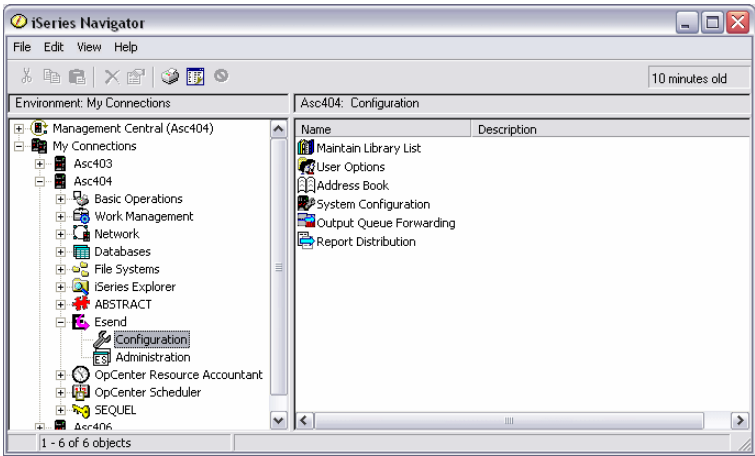


To move through the interface simply expand the node you wish to work with and select the options provided. Esend is highlighted below and the two main options (Configuration and Administration) are displayed on the right side of the screen.





Select one of the options – Configuration in the example below - and any sub-features/options are displayed on the right side.



## Using Esend

Esend in the iSeries Navigator environment is separated into three main sections:

### Configuration

Create and maintain Library Lists, Options, Address Books, Server Configuration, Outq Forwarding Rules, and Report Distribution Rules.



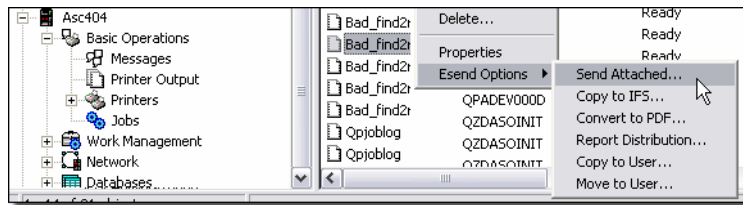
## Administration

Work with server jobs, and mail tracking.



## Working with Printer Output

Send Mail, Send to the IFS, Convert spool files to PDF, Report Bursting/Distribution, and basic spoolfile copy and move.

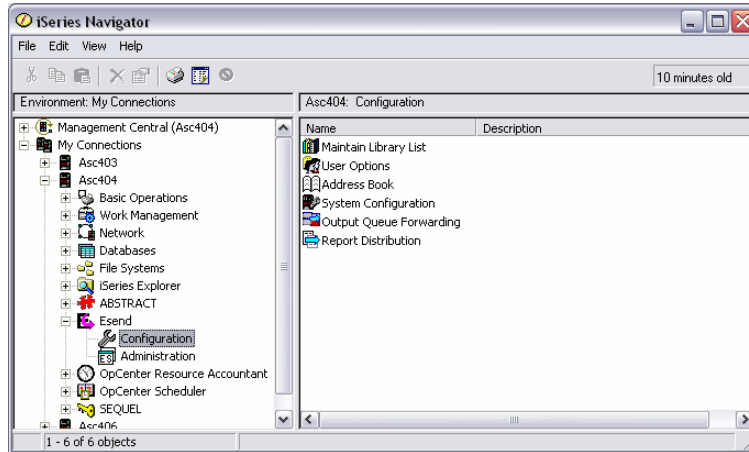


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# Esend Configuration

To access any of the Esend configuration options, expand the Esend node and click once on **Configuration**. A list of options will display on the right panel.

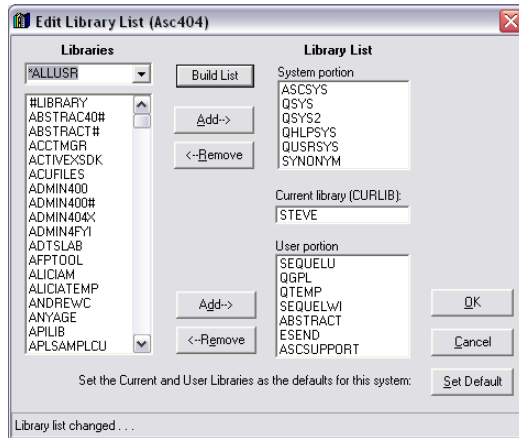
Double-click any option to work with it.



Each configuration option is detailed on the following pages.

## Maintain Library List

This is the first option in the Esend Configuration section. Use this to alter your library list if you need to before using Esend.



### Options:

**Libraries** - Use the drop-down list to select \*ALLUSR or \*ALL to build the list a available libraries.

**Build List** - Press to generate the \*ALL or \*ALLUSR library list.

**Add** - Press to add a selected library to the system or user portion of the library list.

**Remove** - Press to remove a selected library from the system or user portion of the library list.

**Library List** - This displays the current values for the system and user portion of the library list.

**OK Button** - Press to make permanent any changes made to the library list.

**Cancel Button** - Press to exit without saving any changes.

**Set Default Button** - Press to set the Current and User Libraries as the defaults for the system.

## User Options

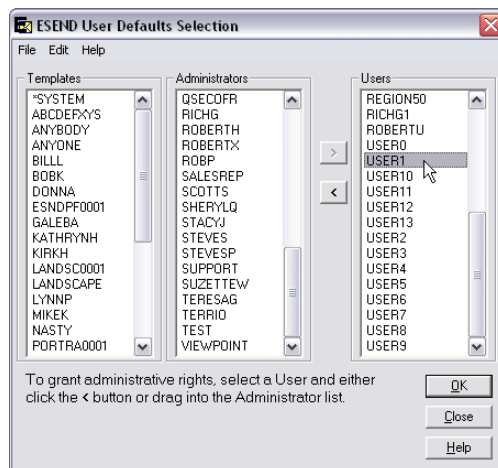
Each user can review and maintain their own user options (product defaults). Access to this screen is via the Esend Configuration node in iSeries Navigator.

One of two screens will be presented based on whether the user has administrative or user rights. If a user has administrative rights, the User Selection screen below is presented. If the user does not have administrative rights, the user's individual default screen (below) is presented.

A user that has \*CHANGE authority to the Esend global default data area is considered to have administrative rights. This can happen in three instances:

- The user has \*ALLOBJ authority in their user profile
- The user is assigned a group profile that has \*CHANGE to the Esend global default data area.
- \*PUBLIC has \*CHANGE authority to the Esend global default data area.

One with only \*USE authority to the Esend global default data area, is considered to have user rights. Access is only allowed to their own settings in the User Option section.



Select a user from the list and press **OK** to work with the Esend options for that user.

## Options

**Templates** - Displays a list of default templates. The 'Global' default data area(\*DFT) is always listed

**Administrators** - This section displays a list of users with administrative rights. They have full access to all users defaults. Administrative rights can be revoked by dragging a user from this column to the 'Users' column. Users listed here with administrative authority due to \*ALLOBJ authority, a Group Profile authorization, or \*PUBLIC authorization, cannot be revoked here.

**Users** - This section displays a list of Users. Administrative rights (and full access to all users defaults) can be granted by dragging a user from this column to the 'Administrators' column.

**OK Button** - Press OK to review or modify the selected template, user, or administrator.

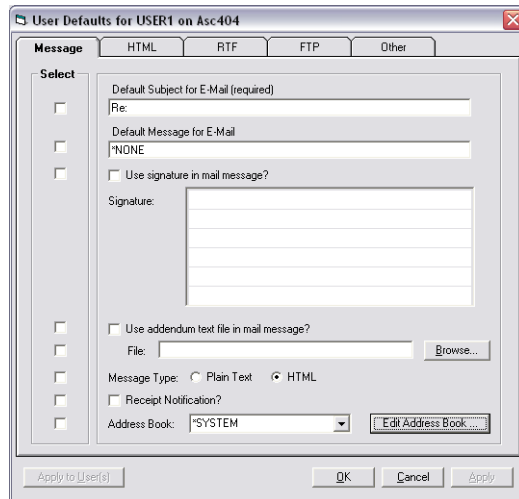
**Close Button** - Press the Close button to exit the Defaults Selection screen.

**Help Button** - Press Help to access the on line help.

## User Options - Message

Esend Defaults are divided by the tabs across the display.

The message options control defaults for email message, subject and subject values.



### Options

**Default Subject** - Specify the default subject text that will be sent with the e-mail if '\*' is specified as the subject in the ESNDMAIL command.

**SEQUEL Output** - "SEQUEL Output" is sent as the e-mail subject.

**\*NONE** - The subject is sent blank.

**Text** - The contents of this default are used as the default e-mail message.

**Name** - The name of a distribution address book.

**Default Message** - Specify the default message text that will be sent with the e-mail if '\*' is specified as the message in the ESNDMAIL command. Messages can be formatted for e-mail delivery if using two format control characters. Each must be followed by a blank.

**&N or &n** - Forces the message to a new line.

**&P or &p** - Forces the message to a new paragraph. i.e. with one blank line before the next line.

**\*NONE** - No message is sent with the e-mail.

**Text** - The contents of this default are used as the default e-mail message.

**Use Signature?** - Check the box if the users "Signature" information is to be included with the e-mail message. The signature is information held in the Send Mail Signature file, which is available to each user. The Signature file is shipped with a system record containing sample information. A user signature is built from the system record and can be modified using the Signature box below.

**Signature** - If the signature file for a given user has a value, it is displayed here. The signature can be modified using this entry box. To make any changes permanent, press the Apply button. Check the Use Signature box (above) to include the signature file in the email.

**Use Addendum?** - Check the box to include an addendum file - predefined text added to the body of an e-mail message. This is used generally as a privacy or confidentiality statement. The predefined text must be in a file. If a signature is also used when sending a message, the addendum appears before the signature.

**File** - Give the path and name of the file to be included as an addendum to each mail message sent by this user. Use the Browse button to navigate to the desired addendum file.

**Message Type** - Use the radio buttons to select the default email message type to indicate the way an e-mail message body should be formatted.

**Receipt Notification?** - When an e-mail is sent, some receiving applications have the capability to return a notification of delivery to the sender. Check this box to receive a notification of receipt.

**Address Book** - This value defines the default Distribution Address Book. The internet addresses and distribution lists in this Address Book are available for use in the recipient parameters of most ASC application commands.

**Edit Address Book** - Access the Address Book maintenance screen.

**OK** - Press OK to exit and save any changes.



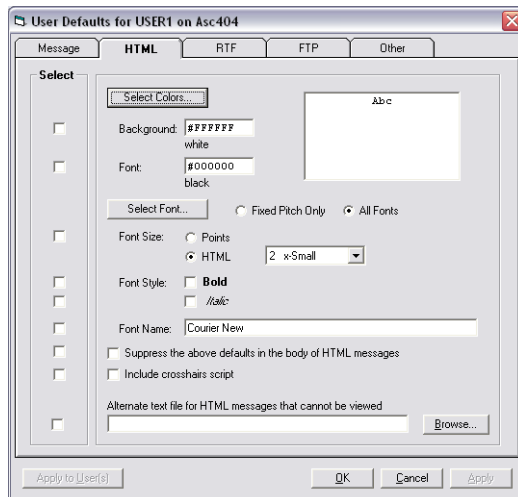
**Cancel** - Press Cancel to exit without saving changes.

**Apply** - Press Apply to save any changes and leave the Default window open.

**Select Box / Apply to User** - Users with administrative rights to the Esend global default data area have the ability to apply any of their defaults to another user. This allows one to make changes for many users at once.

## User Options - HTML

These are the default HTML body and font tags used when SEQUEL reports are output to stream files in HTML format. They are also used when spool files are sent to e-mail recipients in HTML format.



## Options

**Select Colors Button** - Press to access the color selector (page 15). This will fill in the hex values for the 'Font' and 'Background' color values below.

**Background** - This is the value selected for the background color of the HTML page. It may be specified as an HTML accepted RGB color in the format #RRGGBB where RR is the hex value for Red, GG is the hex value for Green and BB is the hex value for Blue. It may also be specified as a written

color such as White or Black. Color name must be identifiable to the browser that displays the HTML page, otherwise the browser may utilize its own default. To omit the background color from inclusion, specify \* for the value.

Use the 'Select Color' button above to review a list of standard colors and extended colors along with their corresponding hex RGB codes.

**Font** - This is a similar value as the background item above. The RGB value or name is displayed. Use the 'Select Color' button to select a different font color.

**Select Font Button** - Press to access the font selection dialog (page 15). Use the radio button to control whether fixed pitch or all fonts are displayed in the font selector. Values for font size and style will be loaded into the items below for 'Font Size' and 'Font Style'.

**Font Size** - Select 'Points' to base fonts on point size. Fill in the point value or use the 'Select Font' button to set the size. To use HTML styles for setting the size, select the 'HTML' button and choose a value from the drop down list.

**Font Style** - Check the box for bold and/or italic font or use the 'Select Font' button to set these values.

**Font Name** - This is the name of the font to be used in the HTML output. If the font name does not exist in the recipients browser, the browser will provide its own default. Courier New is the default.

**Suppress the above defaults...** - Check this box to control output of automatic CSS (cascading style sheet) controls. It is sometimes desirable to suppress style sheet controls in order to preserve custom formatting in existing HTML.

**Include Crosshairs** - Check to add cross hair cursor to HTML enabled email. This is useful if embedding a large report.

**Alternate Text File** - Specify a file to be read by mail recipients with non-HTML enabled mail clients.

**OK** - Press OK to exit and save any changes.

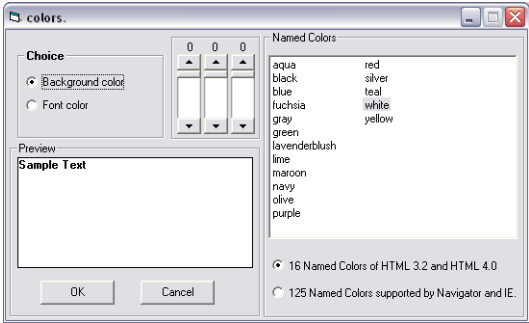
**Cancel** - Press Cancel to exit without saving changes.

**Apply** - Press Apply to save any changes and leave the Default window open.

**Select Box / Apply to User** - Users with administrative rights to the Esend global default data area have the ability to apply any of their defaults to another user. This allows one to make changes for many users at once.

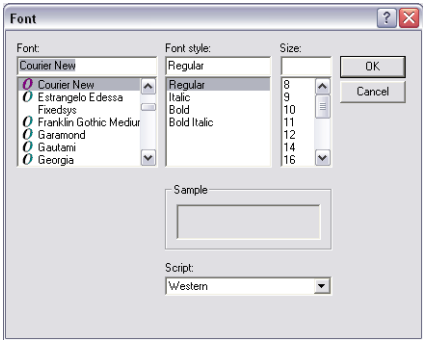
Select Colors

Select colors from the list to set font and background colors.



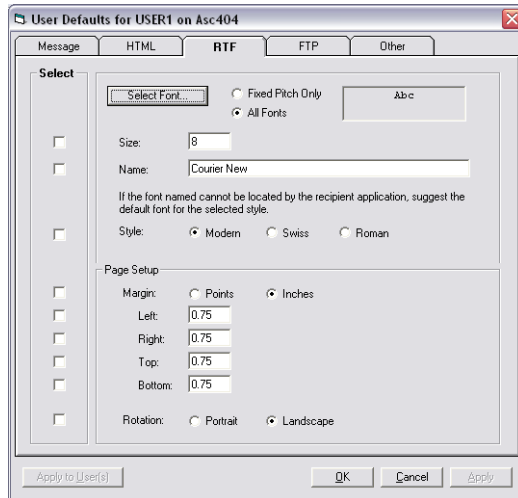
Select Font

Use this display to select font family, size and style.



## User Options - RTF

Set the default Rich Text Format font type, name and size used when spool files are sent to e-mail recipients in RTF format.



### Options

**Select Font Button** - Press to access the font selection dialog. Use the radio button to control whether fixed pitch or all fonts are displayed in the font selector. Values for font size, name and style will be loaded into the items below for 'Size', 'Name' and 'Style'.

**Size** - Specify a font size here or use the 'Select Font' button above.

**Name** - The selected font name is listed. You can change it here or use the 'Select Font' button above.

**Style** - Use the radio buttons to select one of three font styles.

**Page Setup** - Specify measurement units, margins and page rotation.

**OK** - Press OK to exit and save any changes.

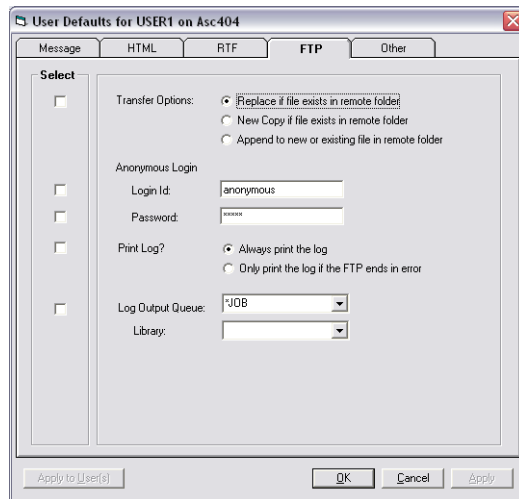
**Cancel** - Press Cancel to exit without saving changes.

**Apply** - Press Apply to save any changes and leave the Default window open.

**Select Box / Apply to User** - Users with administrative rights to the Esend global default data area have the ability to apply any of their defaults to another user. This allows one to make changes for many users at once.

## User Options - FTP

These are the default options for using FTP within Esend.



## Options

**Transfer Options** - This determines what to do with a transferred file if the file already exists on the remote system.

**Replace** - A new file will replace the existing file.

**New copy** - The new file will be created with the same name as the existing file with an appended digit. e.g. file(1).txt

**Append** - The new file data is added to the end of the existing file data.

**Anonymous Login** - This is the default login id that is used if a login id is not provided on an FTP command statement. The default is shipped as "anonymous". Leave as is or specify any other valid login id.

The password is the default login password that is used when the default login id is used. The default is shipped as "guest". Leave as is or specify any other valid login password.

**Print Log?** - This determines whether an FTP log is to print when there are no errors.

**Log Output Queue / Library** - Choose an output queue and library for the ftp log.

**OK** - Press OK to exit and save any changes.

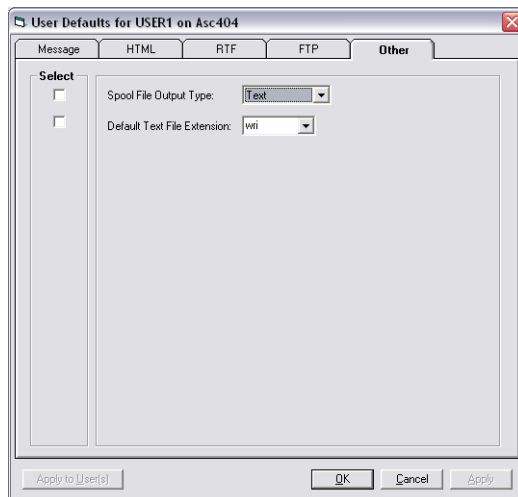
**Cancel** - Press Cancel to exit without saving changes.

**Apply** - Press Apply to save any changes and leave the Default window open.

**Select Box / Apply to User** - Users with administrative rights to the Esend global default data area have the ability to apply any of their defaults to another user. This allows one to make changes for many users at once.

## User Options - Other

Set defaults for spool file type and text file extension.



## Options

**Spool File Output Type** - Determines the default spool file format for mail delivery when the format type is \*SPL. Choose one of the following:

**TEXT** - The spool file is sent in standard ASCII text format and an extension default (if required) based on the 'Default Text File Extension' setting below.

**HTML** - The spool file is sent in HTML format based on the HTML user defaults.

**RTF** - The spool file is sent in RTF (Rich Text Format) based on the RTF user defaults.

**PDF** - The spool file is sent in PDF (Adobe Acrobat Format).

**Default Text File Extension** - If a PC file extension is required, this is the default extension for an ASCII text file. Up to 3 characters can be used for the extension name.

**WRI** - The file is extended with .wri - the WordPad default.

**Other** - Any other characters such as "doc" for MsWord.

**OK** - Press OK to exit and save any changes.

**Cancel** - Press Cancel to exit without saving changes.

**Apply** - Press Apply to save any changes and leave the Default window open.

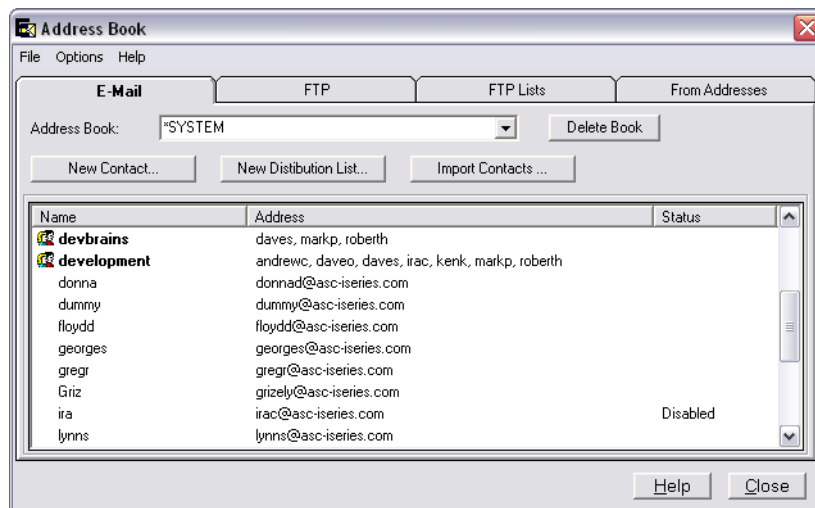
**Select Box / Apply to User** - Users with administrative rights to the Esend global default data area have the ability to apply any of their defaults to another user. This allows one to make changes for many users at once.

## Address Book

The Address Book option of the Configuration menu provides access to four different addressing sections:

- Email - List of individual addressees and distribution lists(groups of addressees).
- FTP - FTP server/site profiles.
- FTP Lists - Groups of FTP servers.
- From Addresses - List used for return address resolution.

These sections are represented by the tabs across the screen below. Choose one of the tabs to work with that feature.



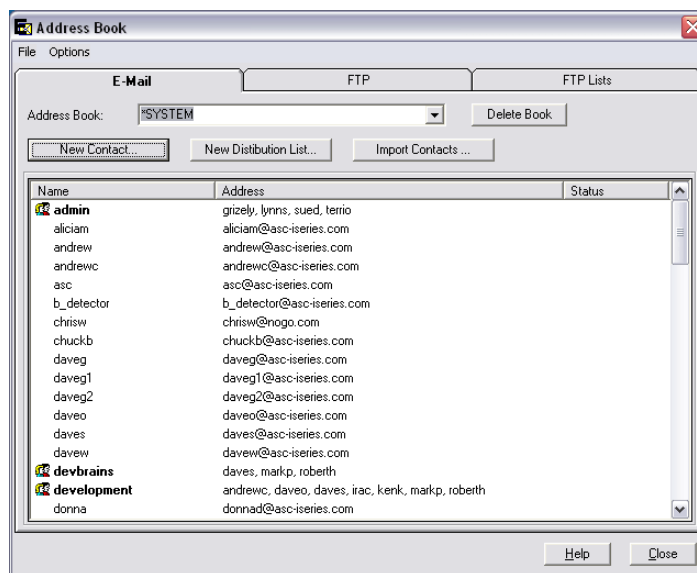


## Email Addresses

ESEND supports an Address Book repository for recipient names and distribution lists. As in other systems, each address book is a list of names that can be used for addressing E-mail messages. Multiple address books can be created and customized for specific users or groups of users.

By default, ESEND will use the address book named \*SYSTEM when attempting to resolve names entered on a recipient parameter.

**Bold** entries in the Name column represent a distribution list – a single entry that will send to multiple addresses.



Contacts and Distribution Lists are added or imported using the buttons along the top of the display. Existing entries can be modified and removed by right-clicking an entry and selecting one of these options from the drop-down menu.

A nice feature supported in ESEND address books is the ability to temporarily deactivate individual recipients in an address book. You may want to deactivate a recipient for example if someone is known to be on vacation for a period of time. Any reference to a deactivated recipient will simply be ignored by ESEND. Right click any address and select Disable from the drop-down menu.

## Options

**Address Book** - The value defaults to the address book setting from your user option for messages. If you have administrative rights you can select an address book other than \*SYSTEM.

**Delete Book Button** - Press to delete the current address book.

**New Contact Button** - Press New Contact to add a new address to the list.

**New Distribution List Button** - Press New Distribution to create a distribution list of existing user addresses.

**Import Contact (select member)** - Press to import contacts from other Esend address books into the current address book.

**Address List Display** - Lists existing addresses and Distribution Lists. Also list and disabled entries (status column)

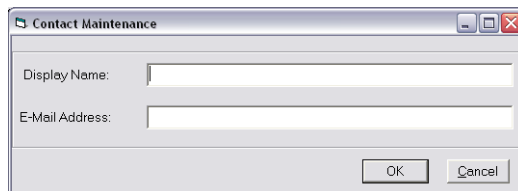
**Help** - Press to access the on-line help system.

**Close** - Press to exit the Address Book.

## Email Addresses - New Contact

Use the screen below to add a new contact to the address book. This screen is accessed from the Address Book Email Tab using the New Contact button.

Enter a display name for the contact and their email address. Press OK when finished.



The screenshot shows a standard Windows-style dialog box titled "Contact Maintenance". It contains two text input fields, one labeled "Display Name:" and the other "E-Mail Address:". At the bottom right of the dialog, there are two buttons: "OK" and "Cancel".

## Options

**Display Name** - Enter a name for the contact. This is for display purposes only.

**E-mail Address** - Enter the email address for the new contact.

**OK Button** - Press OK to close this window and add the contact to the address book.

**Cancel Button** - Press Cancel to exit without adding the entry to the address book.

## Email Addresses - New Distribution List

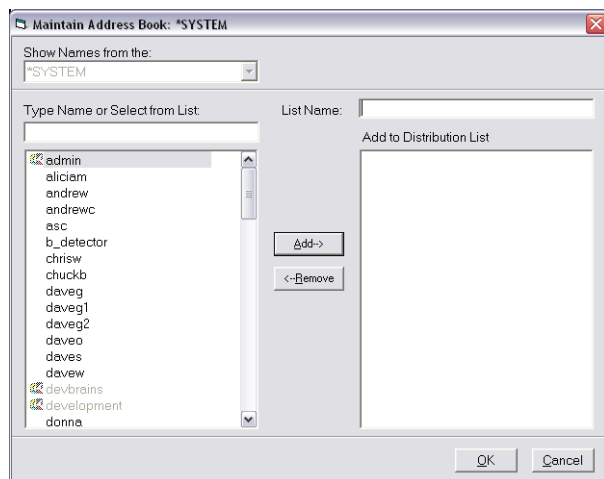
Names contained in the current address book can be organized into named distribution lists. Each distribution list becomes a new name in the address book and can be used as a shortcut for addressing messages to a whole list of recipients. Simply use the list name on the recipient parameter of any ESEND output functions.

This screen is used to create new lists or modify existing lists. This screen is accessed from the Address Book Email Tab using the New Distribution List button.

First give the distribution list a name in the 'List Name' box.

Then, select and add names from the list on the left. Press OK when finished.

***Note:** To add users from a different address book, you must first Import the contact. Then use the screen below to add that contact to the distribution list.*



## Options

**Show Names From** - Displays the current or default address book.

**List Name** - Enter a new distribution name here.

**Type Name or Select** - You can manually type a contact name in this entry. It is much simpler to double click a name or select and press the Add button.

**Add / Remove Buttons** - Use to add names to the list or remove names from the list.

**Add to Distribution List** - Displays contacts as they are added to the new list.

**OK Button** - Press OK to close this window and add the contact(s) to the address book.

**Cancel Button** - Press Cancel to exit without adding the entry to the address book.

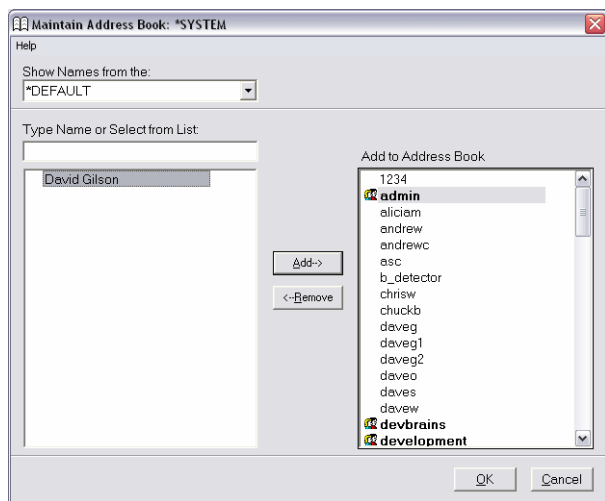
## Email Addresses - Import Contacts

Use Import Contacts to import addresses from other Esend address books to your current address book. This screen is accessed from the Address Book Email Tab using the Import Contacts button.

First choose an address book from the drop-down list.

Then add names from the list on the left.

In the example below, a name *from* the \*DEFAULT address book will be imported *into* the \*SYSTEM address book.



## Options

**Show Names From** - Select an address book to import *from* using the drop-down list.

**Type Name or Select** - You can manually type a contact name in this entry. It is much simpler to double click a name or select and press the Add button.

**Add / Remove Buttons** - Use to add names to the list or remove names from the list.

**Add to Address Book** - Displays contacts as they are added to the new list.

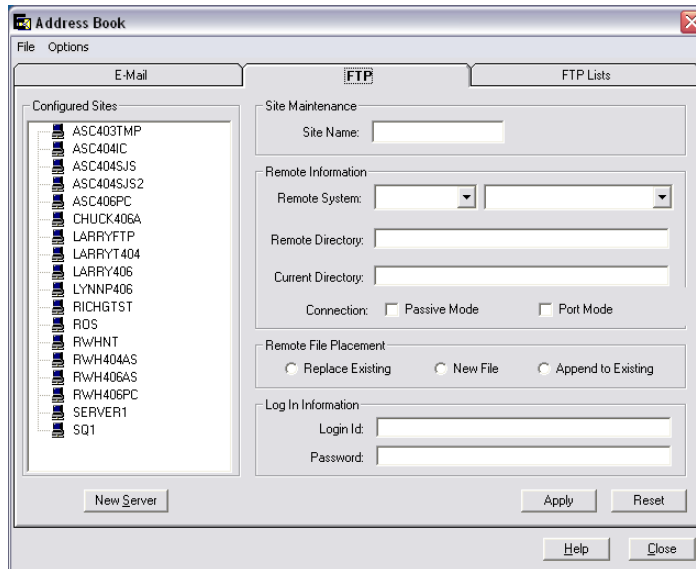
**OK Button** - Press OK to close this window and add the contact(s) to the address book.

**Cancel Button** - Press Cancel to exit without adding the entry to the address book.

## FTP Addresses

This section allows for the maintenance of a repository of FTP recipient information. Entries in this repository are referred to as FTP Server Profiles, FTP Sites or FTP Addresses. It is like an address book for FTP servers/sites. An FTP recipient can be referenced by name on the recipient parameter of the various Esend output functions. This provides a handy 'shortcut' method for supplying target system, path and login information for the remote system. For more information, see the FTP Overview on page xxx.

The screen displays a list of previously defined server profiles. Select an existing server to review or modify any of the settings. Press the New Server button to define a new FTP server address.



## Options

**Configured Sites** - List of previously defined FTP server profiles. Select any of these profiles to review or modify their settings on the right side of the display.

**Site Name** - This will display the name of an existing site if selected from the list of Configured Sites. When creating a new site, start by entering a new name here. This is the name that will be entered as the shortcut Recipient value for many of the Esend output functions. The site name must follow the standard iSeries rules for object names:

- Up to 10 characters.
- Uppercase only.
- An alphanumeric value that follows IBM's \*NAME rules.

**Remote System** - The Remote System Name specifies the name or IP address of the system to which files are transferred. If a name is used, it must be a name that can be resolved either through a local host name table or through DNS. Remote System names have the following attributes:

- Up to 255 characters.
- Upper or Lower case

- May be a name or an IP address in the format xxx.xxx.xxx.xxx
- If a name is used, the local system must be able to resolve the name in FTP.

**Remote Directory** - This optional entry allows the file path to be specified at the ftp recipient when sending a single file member with ESNDFILE. If the path begins with /QSYS or simply QSYS, the ftp destination will be a remote iSeries library system. Paths that do not begin with QSYS represent other non iSeries target systems or iSeries IFS file systems. The path cannot specify the target file name. The following attributes apply to this entry:

- Up to 255 characters.
- Upper or Lower case.
- Does not need to include the initial '/'.
  - If left blank, the root directory is used.
- Corresponds to the '/path/' portion of the FTP String for RECIPIENT Parameter.

**Current Directory** - The current directory is used for sending multimember files or spooled files. The Current Directory entry for a server profile differs from the remote FTP directory primarily in the functions that use it. Users often specify the same path for both remote FTP directory and for the Current directory.

The current directory has special significance for sending spool files, because it determines whether the recipient is an iSeries type library system or a non-iSeries type system (including iSeries IFS). iSeries type systems are indicated by current directory entries that do not begin with the '/' character. Non-iSeries type system current directories always begin with a '/'. Spool files sent to another iSeries type system are converted to spool files on the remote system. They are always placed on output queue QSYSPRT with a spool file name of EFTPSPL and are owned by the remote login user ID specified for the remote system. Notice that for spool file transfers to iSeries type systems, the actual value of the Current Directory does not determine where the spool file is placed on the remote system. Spool files sent to non-iSeries type systems undergo conversion to ASCII and are placed on the target path indicated by the Current Directory value. This field may have the following attributes:

- Begins with '/' to indicate non-iSeries type system.
- Up to 255 characters.

- Upper and Lower case
- Should not be blank if you intend to send spool files or multimember files.

### Examples:

**MYLIB** – This identifies the iSeries library named MYLIB as the current directory. This would be the target for multimember files. The absence of a leading '/' results in 'MYLIB' being used as a library name and causes spool files to be sent to output queue QSYSPRT.

**/QSYS.LIB/MYLIB.LIB** – This also identifies the iSeries library named MYLIB as the target for multimember files. For spool files, MYLIB will also be the destination for the content of the spool files. Because of the leading '/', the target system will not receive the spool files on an output queue. Some OS versions may not be successful receiving spool files using this form for current directory. The spool file content will be placed in a file named EFTPDTAF if the operation is successful.

**/spooltext** – This identifies a non-iSeries type system as the target. Spooltext will be the destination folder for both spool files and for multimember files. Spool data is automatically converted to ASCII. Since ftp does not handle conversion of packed data to ASCII, multimember file transfers are generally appropriate only for source code files and other text files.

**Connection** - Passive Mode and Port Mode are 2 FTP subcommands that affect communications through a firewall. Use of the Passive Mode (PASV subcommand) to establish a data connection is a better method when a data transfer must go through a firewall. In some scenarios, a data transfer through a firewall may not be possible without use of Passive Mode. Port Mode (PORT subcommand) should only be used when a connection to the server cannot be made without it.

**Passive Mode** - Send PASV subcommand

**Checked** - The PASV subcommand is sent to the remote system. This is the iSeries default for FTP. The PORT subcommand is not sent.

**Unchecked** - The PASV subcommand is not sent to the remote system. The PORT subcommand is sent.

**Port Mode** - Send PORT subcommand only if PASV not sent.

**Checked** - The PORT subcommand is not sent to the remote system. This is the iSeries default for FTP if PASV is not sent.

**Unchecked** - The PORT subcommand is sent to the remote system.



**Remote File Placement** - This option tells FTP whether the file being transferred to the remote system is to replace an existing file, create a new file if one exists of the same name or append to an existing file. The default for this option is set by the Transfer Option value in the user defaults for FTP.

**Replace** - A new file will replace the existing file.

**New copy** - The new file will be created with the same name as the existing file with an appended digit. e.g. file(1).txt

**Append** - The new file data is added to the end of the existing file data.

**Login Id** - Enter login id that will be used at the remote ftp site.

- Up to 255 characters.
- Upper and Lower case (some FTP login id's are case sensitive)
- If left blank, assumes user defined anonymous login and password.
- If specified, Login Password is also required.

**Password** - Login Passwords are encrypted for storage in the Server Profile or FTP List entry.

- Up to 50 characters.
- Upper and Lower case (some FTP login password's are case sensitive)
- If left blank, assumes user defined anonymous login and password
- If specified, Login Id is also required.

**New Server Button** - Press to clear the entry boxes in order to enter values for a new server.

**Apply Button** - Press to apply any changes or additions.

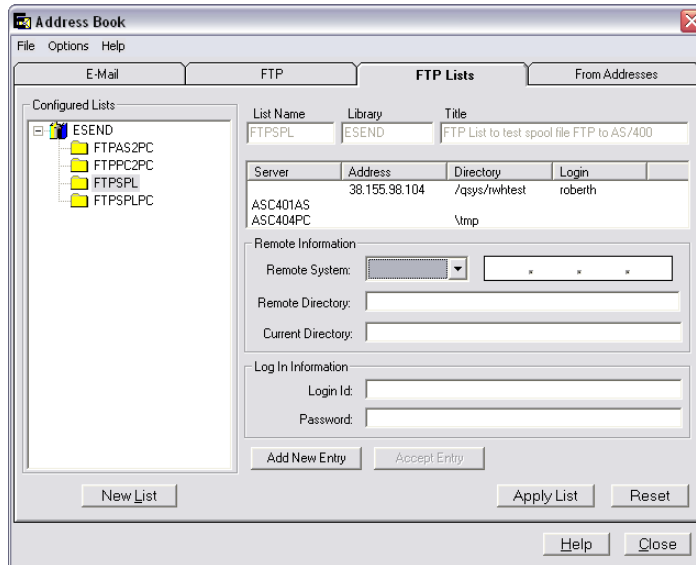
**Reset Button** - Press to undo all changes (prior to last 'Apply').

**Help** - Press to access the on-line help system.

**Close** - Press to exit the Address Book.

## FTP Lists

Use this screen to maintain and create FTP Distribution Lists. An FTP Distribution List provides a way to send files to multiple destinations with a single command. Each entry on a list may simply reference a name from the iSeries Host Table, a Server Profile name, or directly specify all FTP information without reference to any server profile. Simply use the FTP list name on the recipient parameter of any ESEND output functions.



## Options

**Configured Lists** - Display of any previously defined FTP lists. The list is presented in a tree structure by library and list entry. Right click any entry to access a menu in order to add, copy or remove an entry.

**List Name / In** - Enter a new distribution name here. (displays the list name when modifying) Specify a library for the new list.

**Defined Servers Display** - This is a display of existing servers for a given FTP List. Each server can be edited by first selecting it. Definitions will fill in the

screen. Servers in a list may be fully described in the list entry, refer to a server profile, or list a server from the iSeries Host Table.

**Remote System** - The Remote System Name will specify either a Host Name (from the iSeries Host Table), a Site Name (a defined FTP Server Profile/Site) or an IP address of the system to which files are transferred. The option chosen in the first drop-down controls the options that are presented in the second drop-down:

**Host Name** - a list of servers / hosts from the iSeries Host Table will be available in the second drop-down.

**Host IP** - an entry box is presented for an IP address.

**Site Name** - a list of previously defined FTP Sites will be available in the second drop-down.

**Remote Directory** - This optional entry allows the file path to be specified at the ftp recipient when sending a single file member with ESNDFILE. If the path begins with /QSYS or simply QSYS, the ftp destination will be a remote iSeries library system. Paths that do not begin with QSYS represent other non iSeries target systems or iSeries IFS file systems. The path cannot specify the target file name. The following attributes apply to this entry:

- Up to 255 characters.
- Upper or Lower case.
- Does not need to include the initial '/'.
- If left blank, the root directory is used.
- Corresponds to the '/path/' portion of the FTP String for RECIPIENT Parameter.

**Current Directory** - The current directory is used for sending multimember files or spool files. The Current Directory entry for a server profile differs from the remote FTP directory primarily in the functions that use it. Users often specify the same path for both remote FTP directory and for the Current directory. This field may have the following attributes:

- Begins with '/' to indicate non-iSeries type system.
- Up to 255 characters.
- Upper and Lower case
- Should not be blank if you intend to send spool files or multimember files.

**Login Id** - Enter login id that will be used at the remote ftp site.

- Up to 255 characters.
- Upper and Lower case (some FTP login id's are case sensitive)
- If left blank, assumes user defined anonymous login and password.
- If specified, Login Password is also required.

**Password** - Login Passwords are encrypted for storage in the Server Profile or FTP List entry.

- Up to 50 characters.
- Upper and Lower case (some FTP login password's are case sensitive)
- If left blank, assumes user defined anonymous login and password
- If specified, Login Id is also required.

**New List Button** - Press to create a new list.

**Update Entry Button** - After selecting an existing list, press this button to update any changes as displayed in the 'Defined Servers Display'. Changes are NOT permanent on the iSeries until the Apply button is pressed.

**Add New Entry Button** - Press to create a new List.

**Verify Login to Continue** - Some configured servers may require a password to make changes. This button will be available in that instance, otherwise it is hidden.

**Apply Button** - Press to make changes or additions permanent.

**Reset Button** - Press to undo all changes (prior to last 'Apply').

**Help** - Press to access the on-line help system.

**Close** - Press to exit the Address Book.

## From Addresses

Esend automatically determines a ‘sender’ e-mail address for the SMTP messages it sends. In many networks, a valid sender address is required in order to forward a message.

More information relating to the ‘sender’ address is available in Appendix x on page xxx.

The From Address screen below provides a convenient way to maintain e-mail addresses for your iSeries 400 user id’s and to provide a valid return address. This screen will list existing users and allow entry of new users.

Profile	Status	First Name	Last Name	SMTP Address
CHRISW		W	C	Chrisw@nogo.com
CHUCKB		Charles	Bernstein	ChuckB@asc-iseries.com
DAVEG		David	Gilson	daveg@asc-iseries.com
DONNAD		Donna	DelMuro	donnad@asc-iseries.com
IRA			Ira	irac@asc-iseries.com
IRAC			Ira	irac@asc-iseries.com
KAREND		DiGrazia	Karen	karend@asc-iseries.com
KENK	Inactive	Ken	Kelley	KenK@asc-iseries.com
LARRY		Larry	tinker	larryt@asc-iseries.com
LARRYT				larryt@asc-iseries.com
MIKES		Mike	Stegeman	mikes@asc-iseries.com
QTMHHTP1		Advanced Sy...	Concepts	ASC@ASC-iseries.com
RICHG		Richard	Galeba	richg@asc-iseries.com
ROBERTH	Inactive			roberth@asc-iseries.com
SCOTT		Scott	Schrumer	scotts@asc-iseries.com
SHERYLQ		Sheryl	Quinlan	sherylq@asc-iseries.com

Profile: \_\_\_\_\_ First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

SMTP Address: \_\_\_\_\_

Add New Entry Apply

## Options

**Current From Address List** - List of previously defined From Addresses. Right click any entry to access a menu in order to remove or de-activate an entry.

**Profile** - Display the profile for the selected address. For a new entry, specify a valid iSeries user id.

**First Name/Last Name** - Enter the name of the user for identification purposes.

**SMTP Address** - Enter the email address for this user.

**Add New Entry** - Press to enter the above information for a new user.

**Apply Button** - Press to make changes or additions permanent.

**Help** - Press to access the on-line help system.

**Close** - Press to exit the Address Book.

## System Configuration

The system configuration screen provides access to iSeries functions that are relevant to Email setup and monitoring of SMTP and MSF servers. The General tab combines elements of two IBM commands: CHGTCPDMN and CHGSMTPA.

The screenshot shows the 'SMTP System Configuration' dialog box with the 'General' tab selected. The 'Host Name' field contains 'ASC404' and the 'Domain Name' field contains 'asc-iSeries.com'. The 'DNS Address' section has three rows: Row 1 contains '198 \* 6 \* 1 \* 142', Row 2 contains four asterisks, and Row 3 contains four asterisks. There is a 'Ping' button next to the DNS Address section. Below this, there is a checkbox for 'Use Mail Router' which is unchecked. Underneath it is another unchecked checkbox labeled 'Send external (out of domain) mail through the router?'. Below that is the 'Router Address (IP or Name)' field, which has two radio buttons: 'IP' (selected) and 'Name'. There is a 'Ping' button next to the Router Address field. At the bottom of the dialog are four buttons: 'Check Status', 'Apply', 'OK', and 'Cancel'.

SMTP System Configuration	
<b>General</b> Host Table	
Host Name	ASC404
Domain Name	asc-iSeries.com
DNS Address - 1	198 * 6 * 1 * 142
2	* * * *
3	* * * *
<input type="checkbox"/> Use Mail Router	
<input type="checkbox"/> Send external (out of domain) mail through the router?	
Router Address (IP or Name)	
<input checked="" type="radio"/> IP <input type="radio"/> Name	
Ping    Ping	
Check Status    Apply    OK    Cancel	

## Options

**Host Name** - Your Host name is the name by which your iSeries is known in the TCP/IP domain.

**Domain Name** - Name of the TCP/IP domain this iSeries host is a member of.

**DNS Address** - Use this parameter to specify up to three Domain Name Servers (DNS) to be used by this system. Specify a Domain Name Server (DNS) by entering its Internet address. You may add none, one, two, or three Domain Name Server (DNS) Internet addresses.

**Ping Button** - Select a DNS address and press Ping to verify the connection between the iSeries and this server.

**Search Priority** - Specifies whether to search a Domain Name Server (DNS) first to resolve a TCP/IP host name conflict, or to search the local TCP/IP host table first.

**Use Mail Router** - Check this box to define a mail router address/name below.

**Send External Mail** - Only available if 'Use Mail Router' is checked above. Check this box to force the iSeries to send mail to the defined mail router below.

**Router Address** - Only available if 'Use Mail Router' is checked above. Select the IP radio and enter the IP address for the mail router, or select the Name radio button and enter the name of the mail router.

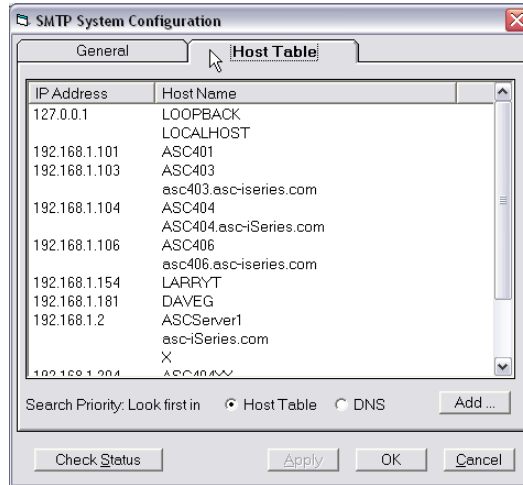
**Ping Button** - Only available if 'Use Mail Router' is checked above. Press to verify the connection between the iSeries and this mail server/router.

**Apply Button** - Press to make changes or additions permanent.

**OK** - Press to make changes.

**Cancel** - Press to exit without making changes.

The Host Table tab contains the internet addresses and associated names of the hosts in your TCP/IP network. Use this display to add entries to the host table and to change, remove, rename, display, or print the entries in the table. The screen is the graphical equivalent of the IBM command CFGTCP option 10.



## Options

**Host List** - The host table contains the internet addresses and associated names of the hosts in your TCP/IP network. Use this display to add entries to the host table and to change, remove, rename, display, or print the entries in the table.

**Add Button** - Press to add a new host to the table.

**Check Status** - Press to access the Server Status display.

**Apply Button** - Press to make changes or additions permanent.

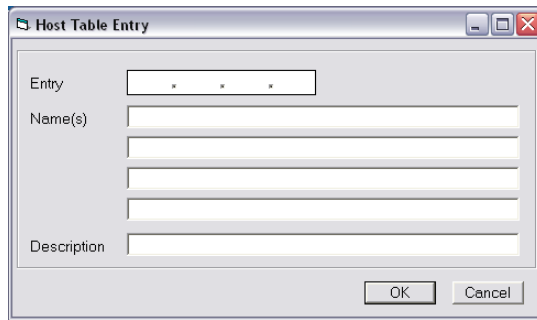
**OK** - Press to make changes.

**Cancel** - Press to exit without making changes.



## Add Host Table Entry

Enter a new host or modify existing hosts with this display. This screen is accessed from the System Configuration Host Table tab.

A screenshot of a Windows-style dialog box titled "Host Table Entry". The dialog has a light gray background and a standard title bar with minimize, maximize, and close buttons. Inside, there are four input fields: "Entry" (a single-line text box with four asterisks as a placeholder), "Name(s)" (a multi-line text box with three rows), and "Description" (a single-line text box). At the bottom right, there are two buttons: "OK" and "Cancel".

### Options

**Entry** - Specifies the internet address that the host names and text descriptions are associated with. The internet address is specified in the form nnn.nnn.nnn.nnn, where nnn is a decimal number ranging from 0 through 255.

**Name(s)** - Specifies the host names corresponding to the internet address. The host name can be either the short form or the full domain version of the name. A common practice is to define one short name that is unique within your local network and to also define the full domain version of the host name that is unique within the internet. Specify from 1 to 4 different host names to be associated with the internet address.

**Description** - Specifies a comment associated with this host table entry.

**OK** - Press to make changes.

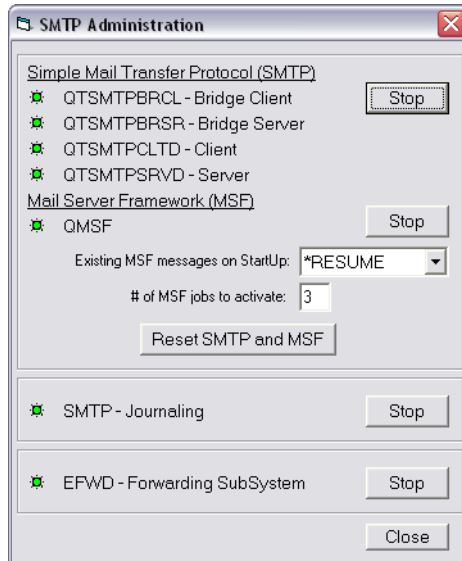
**Cancel** - Press to exit without making changes.

## Server Status

Esend Server Jobs is the first of two options in the Administration section. This screen displays the current status of the servers required/associated with SMTP and MSF on the iSeries.

A green light to the left of the server job indicates the job is started – red indicates stopped.

If one has the proper authority, these servers can be stopped, started and reset in a controlled fashion.



The Report Forwarding subsystem and SMTP Journaling is also available on this display.

## Output Queue Forwarding

ESEND offers a process for monitoring designated output queues and automatically forwarding via email any spooled files that meet the defined criteria. Setting up this process involves:

- Defining the spool forwarding rules
- Identifying the output queues to be monitored
- Starting the monitor

Spool forwarding allows selected spool files to be converted to text, pdf, or html and emailed to one or more recipients. In addition, forwarding rules can also invoke the Report Distribution function to ‘burst’ and distribute spool files.

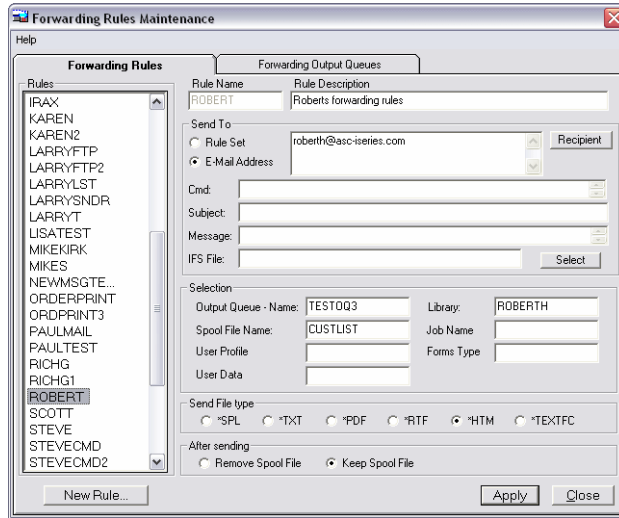
## Define Forwarding Rules

The Forwarding Rules tab is used to create new or modify existing rules.

There are two parts to each forwarding rule: file identification/selection and file processing.

Forwarding rules allow for spool file selection by criteria as specific as output queue, spool file name, job name, user ID, forms type and user data or by rules as general as simply selecting by output queue and spool file name.

The processing part of the rule allows for either a Report Distribution rule to be specified, or for a recipient value. Recipient values can be explicit recipient e-mail addresses or a reference to any of the ESEND supported methods for using distribution lists.



## Options

**Rules** - List of previously defined forwarding rules. Right click any entry to access a menu in order to copy, delete or edit an entry.

**Rule Name** - Enter the name of a new forwarding rule.

**Rule Description** - Enter a brief description for the forwarding rule.

**Send To Rule Set / Email Address** - Use the radio button to select whether to forward to an individual email address or to forward using a pre-defined Report Distribution rule.

**Recipient Button** - Open the Select Recipients dialog to select recipients from your address book. Multiple entries can be separated with a semicolon (;) or a comma (,). You may enter as many addresses, distribution lists, FTP entries and FTP lists as will fit into the parameter, up to 2000 characters.

**Cmd** - Specify a command to run when the defined spool file is sent to the monitored output queue. Variables are available for use in the command string. Multiple commands can be requested, separated by a semi-colon(;).

**Subject** - Enter a subject value for the email. Variables are available for use in the subject string.

**Message** - Specify a message for the email. Variables are available for use in the message string.

**IFS File** - Send the defined spoolfile to the IFS. Specify a path. Variables are available for use in the path string.

**Select Button** - Press to navigate to the desired IFS file.

**Output Queue Name / Library** - Specifies the output queue monitored by this rule:

- \***ALL** - All output queues in the designated library are monitored. The library name may also be a generic type name or \*ALL.

- Generic name** - Specify the generic name of the output queue. A generic name is a character string that contains one or more characters followed by an asterisk(\*).

- Queue name** - Specify the name of the output queue to be monitored.

**Spool File Name** - Specifies the name or generic name of the spooled file to look for.

**Job Name** - Specifies the name or generic name of the job name to look for.

**User Profile** - Specifies the name or generic name of the user profile to look for.

**Forms Type** - Specifies the name or generic name of the forms type to look for.

**Users Data** - Specifies the user data text or generic user data of the spooled file to look for.

**Send File Type** - Use the radio button to select a value to use to transform the spooled file:

- \***SPL** - The type of spooled file output is determined by the User Defaults - SPOOL parameter. The types are TEXT, HTML, RTF and PDF.

- \***TEXT** - The spooled file is sent in TEXT format.

- \***PDF** - The spooled file is sent as a PDF file.

- \***RTF** - The spooled file is sent as a rich text format file.

**\*HTM** - The spooled file is sent as a HTML file.

**\*TEXTFC** - The spooled file is sent as a TEXT file with the first column containing printer spacing control characters.

**After Sending** - Specify the action to take with the spooled file after it is processed. Valid values are **\*REMOVE** to delete or **\*KEEP** to leave on the output queue.

**New Rule Button** - Press to create a new rule.

**Apply Button** - Press to make changes or additions permanent.

**Cancel** - Press to exit without making changes.

## Forwarding Rule Substitution Variables

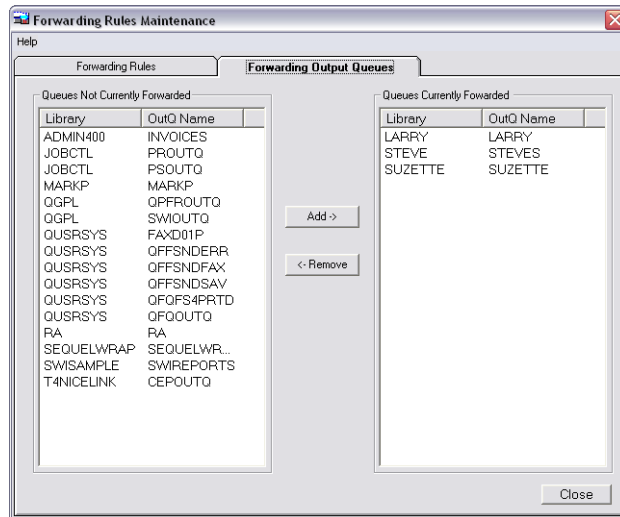
The following substitution variables are available for use in command, subject, message, and IFS path strings:

Variable	Description
&splnbr	spooled file number (6-digits)
&splnbr2	spooled file number (2-digits)
&usrdata	spooled file user data
&splname	spooled file name
&usrprf	spooled file user profile
&jobnbr	spooled file job number
&jobname	spooled file job name
&outqname	spooled file output queue name
&outqlib	spooled file output queue library
&jobdate	current job date
&sysdate	current system date
&sysmm	current month
&sysdd	current day
&sysy2	current year (2 digits)
&sysy4	current year (4 digits)
&sysstime	current system time
&spldate	spooled file date

If a variable is used anywhere within a quoted string, you must remember to use '&&' in front of the variable name.

## Select Outqueues to Forward

The Forwarding Output Queues tab is used to select output queues to monitored. Select a queue and press the **Add** button to place the queue on the ‘monitored’ list.



The ESEND library comes with a subsystem named EFWD which includes an autostart job that initiates spool monitoring. Spool forwarding can be started and stopped simply by starting and ending this subsystem. (page 47)

## Report Distribution Rules

The Report Distribution Rules function allows you to create rule sets that define how spooled files can be split or burst to send individual pages to different e-mail addresses. The rule set name is then used on the RULESET parameter of the Report Distribution command (page 63) which processes the spooled output to burst the output as defined in the rule set.

Each rule in a rule set specifies an e-mail or FTP recipient and a search condition to be met in order to send a page to that recipient. Each rule defines a search location, comparison operator and a character string for comparison. Every page in the spooled file that matches the search condition will be e-mailed to the recipient identified in that rule.

The following display shows 3 of the rules in a rule set named SALESMGRS.

Report Rules Maintenance

Rules

- BUGTEST
- CHRIS
- DAVEG
- DAVEG1
- DAVEG3
- DAVEG4
- DAVEG5
- DKDKDK
- EMTEST
- ESNDJRNL...
- GEORGES
- GRAFTON
- IFSTEST
- IRASTEVE
- IRATEST
- IRATRUNC
- IRC2
- JOBLOG
- KAREN
- KAREND
- LARRY
- LARRYLIST
- LIST

Rule Name: \_\_\_\_\_ Rule Description: \_\_\_\_\_

Mail To	Line	Pos	Rel	Search	StrPag	Env
---------	------	-----	-----	--------	--------	-----

New Entry

Recipient: \_\_\_\_\_

IFS File: \_\_\_\_\_

Line on Page: \_\_\_\_\_ Position on Page: \_\_\_\_\_ Relationship: \_\_\_\_\_

Search Text: \_\_\_\_\_

Start Page: \_\_\_\_\_ End Page: \_\_\_\_\_

Update Entry

New Rule Apply OK Cancel

### Options

**Rules** - List of previously defined distribution rules. Right click any entry to access a menu in order to copy, or delete an entry.

**Rule Name** - Enter the name of a new distribution rule.

**Rule Description** - Enter a brief description for the distribution rule.



**Current Rule Entry Display** - List of defined entries for a given rule. Right-click any entry to access a menu in order to copy, delete, or edit and entry.

**Recipient Button** - Press to access a list of email recipients. Multiple entries can be separated with a semicolon (;) or a comma (,). You may enter as many addresses, e-mail distribution lists, FTP entries and FTP lists as will fit into the parameter. E-mail distributions lists can also consist of Esend address books.

**IFS File Button** - Press to set the path and name to create a file on the IFS.

**Line on Page** - Specify a line number on each page to search for the text. If you leave this blank, every line on the page will be searched. If both the line and the position are left blank the search will be made for the appearance of the search text anywhere on the page. If this is left blank, only the \*EQ relationship (below) may be specified.

**Position on Page** - Specify a position on each line to search for the text. If you leave this blank, every position on the line will be searched. If both the line and the position are left blank the search will be made for the appearance of the search text anywhere on the page.

**Relationship** - Use the drop-down menu to specify the comparison operator to use when evaluating the search:

**\*EM** - This special operator directs Esend to read the recipient email address directly from the spool file at the line and position specified for the search text. The recipient address can be omitted from the e-mailed page by entering '\*REMOVE' for the search text.

**\*EQ** - Checks to see if the search text is equal to the text found at the location requested. If the line position is left blank, the \*EQ operator actually becomes a test to see if the line contains the search text.

**\*NE** - Checks to see if the search text is not equal to the text found at the location requested.

**\*NL** - Checks to see that the text found at the specified location is not in a list of values. The list of values is entered in the Search text. Eg.  
{1} {3} {5} {7} {11} {13}.

**\*GT** - Checks to see if the search text is greater than the text found at the location requested.

**\*GE** - Checks to see if the search text is greater than or equal to the text found at the location requested.

**\*LT** - Checks to see if the search text is less than the text found at the location requested.

**\*LE** - Checks to see if the search text is less than or equal to the text found at the location requested.

**\*LS** - Checks to see if the text found at the location matches any of a list of values. Each value is delimited with brackets. For example:  
{1}{3}{5}{7}{11}{13}

**\*RG** - Checks to see if the text found at the location falls within a range between 2 values. Each of the 2 values is delimited by brackets. For example: {1}{13}.

**\*\*\***: This operator requests that the page will be sent if it is not included by any of the rules listed in the set. When using this operator, page, line, and text comparators are not considered.

If you leave the relationship field and search field blank, all pages will be sent to the recipient(s) specified on the mail to entry.

**Search Text** - Specify a character string to look for in the spooled file. If the line, position, and search text are left blank, the entire spooled file will be mailed. Use **\*REMOVE** with the comparison operator **\*EM** to suppress the recipient e-mail address from the e-mailed page.

**Start Page** - Specify the first page to start looking for the search text on. Leave this blank to start on the first page.

**End Page** - Specify the last page to look for the search text on. Leave this blank to search until the end of the spooled file.

**Add/Update Button** - Press to add a new entry or update an existing entry.

**New Rule Button** - Press to create a new rule.

**Apply Button** - Press to make changes or additions permanent.

**OK** - Press to make changes.

**Cancel** - Press to exit without making changes.

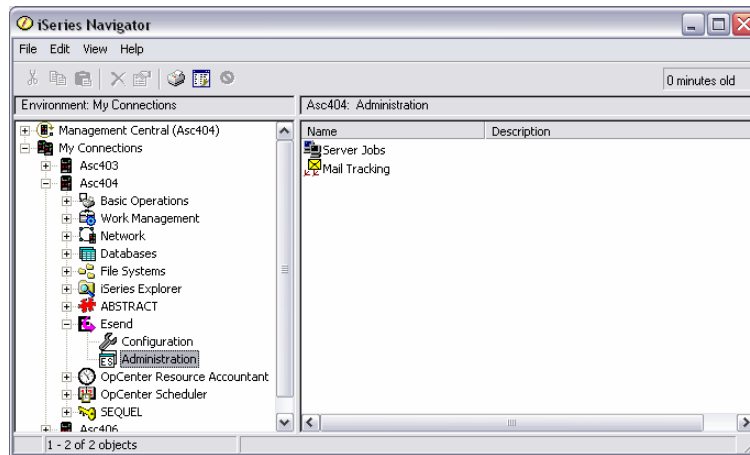
---

# Esend Administration

## Esend Administration Section

To access any of the Esend administration options, expand the Esend node and click once on **Administration**. A list of options will display on the right panel.

Double-click any option to work with it.

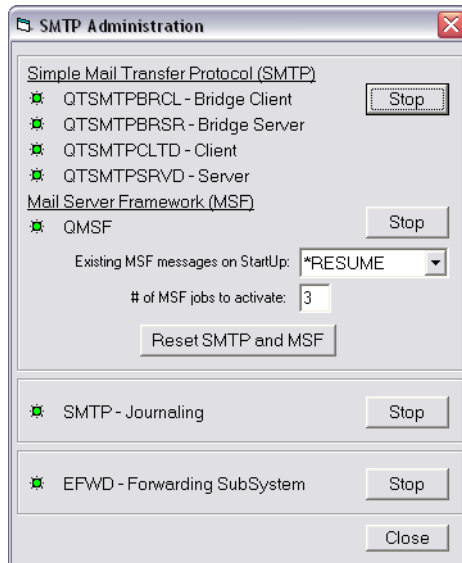


## Server Jobs

Esend Server Jobs is the first of two options in the Administration section. This screen displays the current status of the servers required/associated with SMTP and MSF on the iSeries.

A green light to the left of the server job indicates the job is started – red indicates stopped.

If one has the proper authority, these servers can be stopped, started and reset in a controlled fashion.



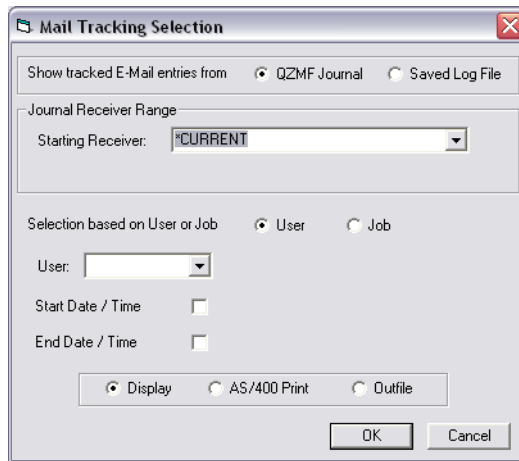
The Report Forwarding subsystem and SMTP Journaling is also available on this display.

## Mail Tracking

Esend now includes a reporting module that provides easy access to the SMTP journal. SMTP journalling is controlled through the JOURNAL parameter on the CHGSMTPA command. SMTP records useful information about what happens when the AnyMail/400 Mail Server Framework processes message requests for ESEND. Journalled information includes mail message transitions and other events related to each message request.

The raw journal entries are rather difficult to interpret, however, as many journal entries can be generated by a single email request. ESEND extracts information from the current receiver of the QZMF journal. The reporting module next analyzes journal entries and assembles related entries into a coherent report of SMTP events related to each email request.

The reporting module provides 2 options for reviewing journal information which can be conveniently accessed from the ESEND Mail Tracking menu as shown below.

The image shows a Windows-style dialog box titled "Mail Tracking Selection". It has a close button (X) in the top right corner. The dialog contains several sections: 1. "Show tracked E-Mail entries from" with two radio buttons: "QZMF Journal" (selected) and "Saved Log File". 2. "Journal Receiver Range" section with a label "Starting Receiver:" and a dropdown menu showing "\*CURRENT". 3. "Selection based on User or Job" with two radio buttons: "User" (selected) and "Job". 4. A "User:" label followed by a dropdown menu. 5. Two checkboxes: "Start Date / Time" and "End Date / Time", both of which are currently unchecked. 6. A group box containing three radio buttons: "Display" (selected), "AS/400 Print", and "Outfile". 7. At the bottom right, there are "OK" and "Cancel" buttons.

Search results can be displayed, printed or sent to a file on the iseries.

## Options

**Show Tracked Email Entries From** - Use the radio buttons to select one of the following:

**QZMF Journal** - Select to extract the journal information from the receiver currently attached to the QZMF journal. The retrieved journal entries can be written to a file, to \*PRINT or browsed online. This function may take a few minutes or longer depending on the number of entries being retrieved. You can improve response time by limiting the number of entries retrieved to a specific date and time range.

**Saved Log File** - Select to read a file previously created by a previous selection using the QZMF option above (to outfile). Output can be browsed or sent to \*PRINT.

**Starting Receiver** - Specifies the starting (first) journal receiver that contains the journal entries being converted for analysis.

**Selection Based on** - Base the search on a user id or a job. User or Job entry windows will display depending on the radio selected.

**User** - Enter a user id to search for or \*ALL for all users.

**Job Name/User/Number** - Specify a job name, job user and job number to define the search. \*ALL is available for all values.

**Start Date / Time** - Check the box to use a starting date and/or time to further refine your search.

**End Date / Time** - Check the box to use an ending date and/or time to further refine your search.

**Output** - Use the radio buttons to select one of the following output options:

**Display** - Search results will display on screen.

**AS/400 Print** - Send results to a spool file on the iSeries. This option will present entry boxes for output queue and library.

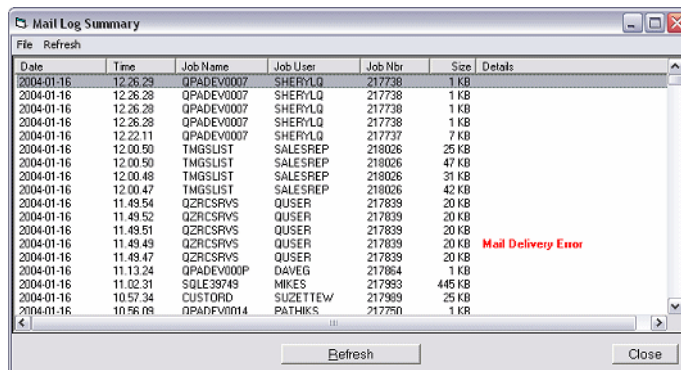
**Outfile** - Send results to a file on the iSeries. This file (saved log) can be used in the 'Show Tracked Email From' option above. This option will present entry boxes for file name, library and member.

**OK** - Press to make changes.

**Cancel** - Press to exit without making changes.

## Mail Tracking Results

Mail Tracking Results are listed first by summary level information.



The screenshot shows a window titled "Mail Log Summary" with a "File" menu and a "Refresh" button. The window contains a table with the following columns: Date, Time, Job Name, Job User, Job Nbr, Size, and Details. The table lists various mail entries, including some with "Mail Delivery Error" status.

Date	Time	Job Name	Job User	Job Nbr	Size	Details
2004-01-16	12:26:29	QPADEV0007	SHERYLQ	217738	1 KB	
2004-01-16	12:26:28	QPADEV0007	SHERYLQ	217738	1 KB	
2004-01-16	12:26:28	QPADEV0007	SHERYLQ	217738	1 KB	
2004-01-16	12:26:28	QPADEV0007	SHERYLQ	217738	1 KB	
2004-01-16	12:22:11	QPADEV0007	SHERYLQ	217737	7 KB	
2004-01-16	12:00:50	TMGSLUST	SALESREP	218026	25 KB	
2004-01-16	12:00:50	TMGSLUST	SALESREP	218026	47 KB	
2004-01-16	12:00:48	TMGSLUST	SALESREP	218026	31 KB	
2004-01-16	12:00:47	TMGSLUST	SALESREP	218026	42 KB	
2004-01-16	11:49:54	QZRCISRV5	QUSER	217839	20 KB	
2004-01-16	11:49:52	QZRCISRV5	QUSER	217839	20 KB	
2004-01-16	11:49:51	QZRCISRV5	QUSER	217839	20 KB	
2004-01-16	11:49:49	QZRCISRV5	QUSER	217839	20 KB	Mail Delivery Error
2004-01-16	11:49:47	QZRCISRV5	QUSER	217839	20 KB	
2004-01-16	11:13:24	QPADEV000P	DAVEG	217864	1 KB	
2004-01-16	11:02:31	SOLE39749	MIKES	217993	445 KB	
2004-01-16	10:57:34	CUSTORD	SUZETTEW	217969	25 KB	
2004-01-16	10:56:09	QPADEV0004	PATRIKS	217750	1 KB	

At the bottom of the window, there are "Refresh" and "Close" buttons.

Double click a summary entry to see the detail entries (below).

Mail Log Detail

File Help

Start Date: 2004-02-19Time: 16.18.50Size: 21 KB

Date	Time	Comment	Log Data
2004-02-19	16.18.50		00021 KB SNDMAIL TO MSF
		Originator	STEVES@asc-iSeries.com
		Recipient	roberth@asc-iseries.com
		Recipient	steves@asc-iseries.com
	16.18.51		MSG SIZE 21516
			QTMSOUTQ TO CLNT
			Fwd TO QTMSOUTQ
		MSF Forwarded	<roberth@asc-iseries.com>
		MSF Forwarded	<steves@asc-iseries.com>
	16.18.57		DLVED 192.168.1.2
		SMTP Delivered to	<roberth@asc-iseries.com>
		SMTP Delivered to	<steves@asc-iseries.com>

Close

Double click any detail line to see the lowest level of information (below).

Mail Log Entry

Help

Message Id: ID 10571VM0402191618500000000382

Job Name: QZRCSRVS

Job User: QUSER

Job Number: 237422

Entry Date: 2004-02-19

Entry Time: 16.18.50

Entry Type: LG Log Entry

Function: E Send Mail API

Action: I O Originator name follows

Log Data: STEVES@asc-iSeries.com

Close

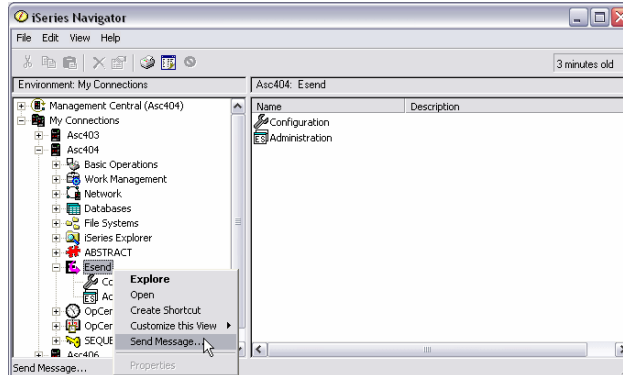




# Working with Printer Output

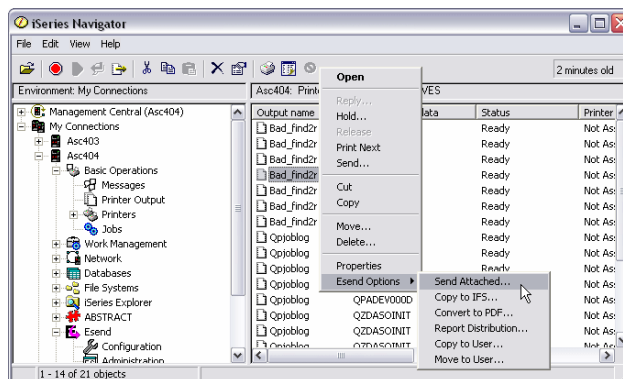
## Accessing Printer Output

To send a simple email (with or without attachments), right click the Esend node and select Send Message.



To use the more advanced output features of Esend in the iSeries Navigator environment, you must start with generated spool files on the iSeries.

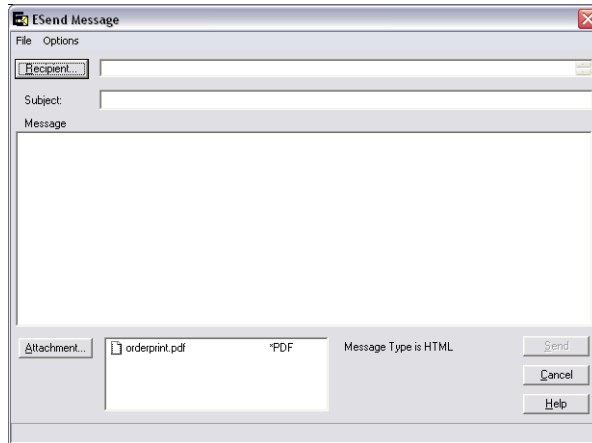
Expand the **Basic Operations=>Printer Output** node and select a spool file in the list. Right click the spool file to choose one of the Esend output options from the menu.



## Send Email

The Send Email screen is accessed from the main Esend node, or from the list of printer output using the Send Message option.

Enter an email or ftp address or press the Recipient button to access different recipient selection options.

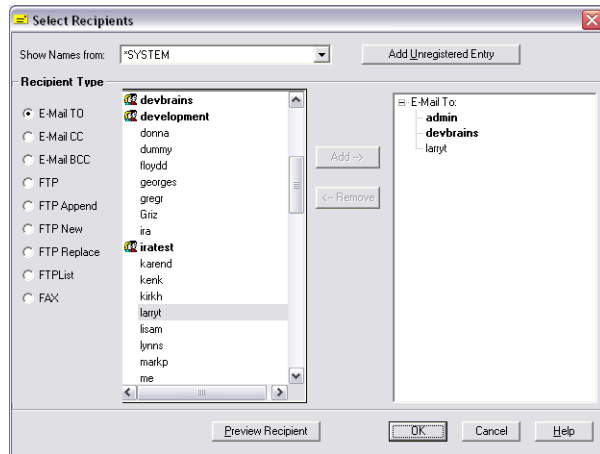


You can attach stream files (from the IFS) or spool files by pressing the Attachment button

The Message Type at the bottom of the screen lists your User Options default for message type. You can easily change the message type by selecting a different message type from the Options menu on this display.

## Select Recipients

The Select Recipients screen is an easy to use feature to assist with the creation of recipient lists for sending email, using FTP or Fax. This screen is also used when defining recipient lists for Output Queue Forwarding rules and Report Distribution rules.



### Options

**Show Names From** - Use this drop-down to select an address book for email addresses, or FTP servers and lists.

**Add Unregistered Entry** - Press this to add a recipient that is not in any pre-defined address book, FTP or FTP Server list.

**Recipient Type** - Use the radio button to select the type of recipient to add.

**Recipient List (left side)** - List of available recipients based on the 'Recipient Type' selected above.

**Add/Remove Buttons** - Press add or remove names to or from the 'To Recipient' list.

**'To Recipient' List (right side)** - List of selected recipients. The display is a tree-like structure sorted by type of recipient.

**OK** - Press OK to exit and save any changes.

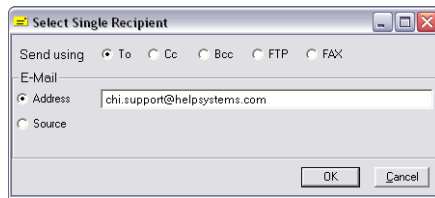
**Cancel** - Press Cancel to exit without saving changes.

**Help Button** - Press to access the on-line help system.

## Unregistered Entry

When adding a recipient that is not part of an address book, or defined as a FTP server profile, the unregistered entry dialogs are used to create these one time additions. Each has different parameters and are discussed below.

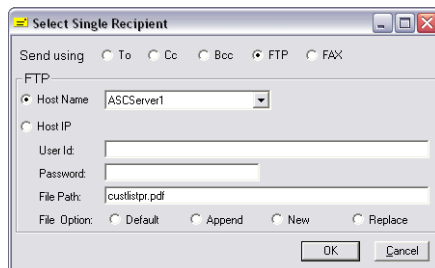
### Email



The dialog box titled "Select Single Recipient" has a tabbed interface. The "E-Mail" tab is selected. It contains a "Send using" section with radio buttons for "To", "Cc", "Bcc", "FTP", and "FAX", where "To" is selected. Below this is an "Address" section with a radio button for "Address" (selected) and a text box containing "chi.support@helpsystems.com". There is also a radio button for "Source". At the bottom are "OK" and "Cancel" buttons.

Use the radio button to select Address or source. The Address is entered in the box provided. The source option allows for the use of a pre-defined source file that contains email address. Enter the file name, library and member name.

### FTP

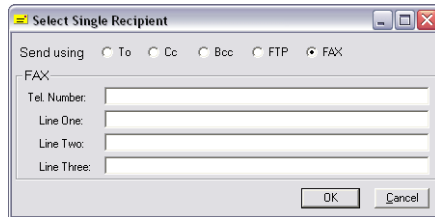


The dialog box titled "Select Single Recipient" has a tabbed interface. The "FTP" tab is selected. It contains a "Send using" section with radio buttons for "To", "Cc", "Bcc", "FTP" (selected), and "FAX". Below this is an "FTP" section with a radio button for "Host Name" (selected) and a dropdown menu showing "ASCServe1". There is also a radio button for "Host IP". Below these are text boxes for "User Id:", "Password:", and "File Path:" containing "custlistpr.pdf". At the bottom is a "File Option:" section with radio buttons for "Default", "Append", "New", and "Replace". At the very bottom are "OK" and "Cancel" buttons.

Use this to define a Host Name or Host IP. Optional user id and password can be defined. Anonymous login is the default. Enter a path for the file to be sent as well as

a file option for the file. All these parameters are discussed in detail in the FTP Server and FTP List address sections of this help system.

## Fax



Specify a one-time fax recipient by entering a fax number. Lines 1, 2, and 3 are optional sender lines.

## Recipient Source File

An alternate method for building recipient lists involves using SEU (Source Edit Utility) and standard source files. If you need to broadcast messages to predefined groups and also specify different to: and cc: lists, the e-mail recipient list is the way to do this.

Multiple E-mail addresses can be entered into a source file and referenced on the recipient parameter by naming the source file, library and member to be used. Specify the file as library/file(member). If you omit the library, \*LIBL is assumed. If you omit the member name, \*FIRST is assumed. The source records can be entered and maintained using SEU or any other suitable source file maintenance program. In the source file, each record may contain multiple addresses separated by commas or semicolons, but e-mail addresses cannot wrap and continue on the next record. If no type modifier occurs before the first address in the file, "(to)" is assumed.

The following type delimiters are supported:

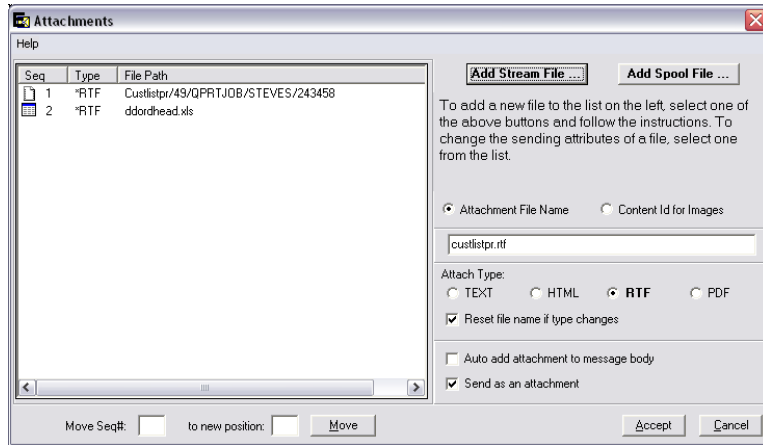
- TO = to: (to) (to:) (t) t:
- CC = cc: (cc) (cc:) (c) c:
- BCC= bcc: (bc) b:

Create a source file for an email or ftp list using a command like the following:

```
CRTSRCPF FILE(FINANCE/FTPLIST) MBR(CC1) TEXT('Cost Cntr FTP  
lists')
```

# Attachments

The Attachments display below is used to manage selected ifs and spool files when sending as email. Use either of the Add buttons (Stream or Spool) to search for a file. After files are selected, you can work with them to change the type of file format and choose whether to embed or attach the file.



## Options

**Selected Attachments List** - Display of selected attachments. Select a file in the list to change any of the attributes below.

**Add Stream File Button** - Press to add a stream file to the list.

**Add Spool File Button** - Press to add a spool file to the list.

**Attachment Name / Content ID** - Select Attachment Name to review or change the attached file's name, or select Content ID to specify an embedded graphic content id.

**Name / ID** - Display selected attachment name, or content id.

**Attachment Type** - For spool files only. Specify the file type for the selected spool file.

**Reset File Name** - Select this option to force the file type extension to change.

**Auto Add Attachment to Message Body** - Select this option to have the attachment *automatically* added to the body of the email. Only text and HTML stream files can be embedded as well as spool files set to type \*.htm or \*.txt.

***Note:** If you want to manually place the file in the body of the email, deselect both this option and the ‘Send as Attachment’ below.*

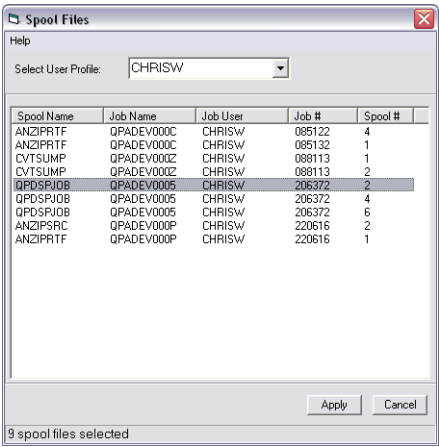
**Send as Attachment** - Check to send selected file as an attachment.

**Accept** - Press to return to the Send Mail window with attachments.

**Cancel** - Press to return to the Send Mail window without attachments.

### Add Spool File

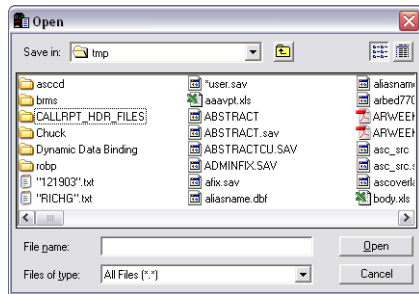
When adding spool files as attachments, the following display will present a list of files for you. Use the User Profile drop down list to select spool files for a different user.



Selected files will be added to the File Attachments list.

## Add Stream File

Use this display to navigate to files on the IFS when adding files as attachments.

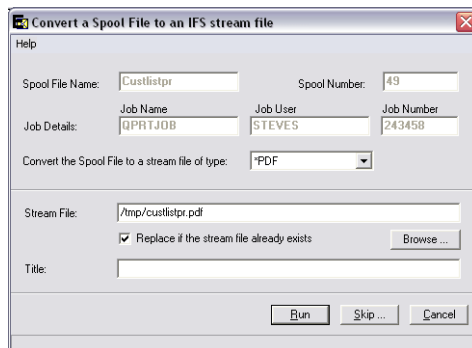


Selected files will be added to the File Attachments list.

## Copy to IFS

Copy to IFS is a tool for converting spool file data to ASCII. It is not one of the Esend commands that actually sends data from the iSeries machine, but is a handy way to copy and convert your spool files to various ASCII formats. Conversion options include formatting as RTF, HTML, PDF or plain text.

The Copy to IFS function is accessed via basic operations=Printer Output..



## Options

**Spool File Info** - Display of selected spool file attributes.



**Convert to Type** - Select from the drop down list the type of file to create. The initial value is set by your user default for spool type.

**Stream File** - Specify the path and file name to produce.

**Browse** - Press to navigate to the IFS path for the file.

**Replace if Exists** - Check to replace existing stream file.

**Title** - For PDF conversion, specify the title for PDF file.

**Run** - Press to covert the spool file.

**Skip** - Move to the next file.

**Cancel** - Press to exit without converting.

## Convert to PDF

This function will generate a PDF formatted file in the integrated file system (IFS) from a spooled file on an output queue.

Convert a Spool File to a PDF file

Help

Stream File: /tmp/qprtjob.pdf

☒ Replace if the stream file already exists

Title:

Subject:

Author:

Creator:

Keywords:

Page Size: LETTER

Job Name	Job User	Job #	Spool File	Spool...
<input checked="" type="checkbox"/> QPRTJOB	STEVES	243458	Custlistpr	49

PDF conversion supports AFP files and overlays if the file type is SCS. Overlays are not supported for IPDS and USERASCII print file types. The pdf conversion process is explained in Appendix xxx on page xxx.

## Options

**Stream File** - Specify the path and file name to produce.

**Browse** - Press to navigate to the IFS path for the file.

**Title** - Specify up to 60 characters to appear in the Title section of the PDF document information panel.

**Subject** - Specify up to 60 characters to appear in the Subject section of the PDF document information panel.

**Author** - Specify up to 30 characters to appear in the Author section of the PDF document information panel.

**Creator** - Specify up to 30 characters to appear in the Creator section of the PDF document information panel.

**Keywords** - Specify up to 256 characters to appear in the Keywords section of the PDF document information panel.

**Page Size** - Select a page size from the drop-down list.

***Note:** The special values \*11x14 and \*11x17 must be enclosed in quotes and the 'x' must be lower case.*

**Selected File List** - Display of selected files for conversion.

**OK** - Press to create the pdf files.

**Cancel** - Press to exit without converting.

## PDF Conversion

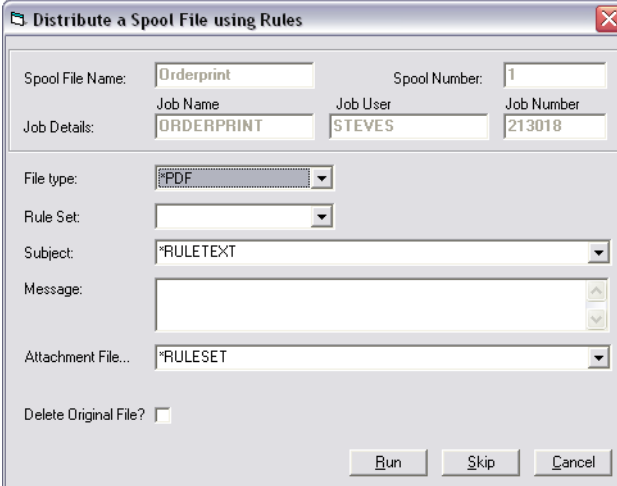
iSeries form sizes (length&width) and character/line spacing (cpi/lpi) do not always map well to standard pc printer form sizes. Consequently, PDF converted spool files may appear in Acrobat to have unreasonably large side margins or bottom margins.

In order to help you determine what PDF page attributes you can expect when converting spool files, the following paragraph provides some details about the conversion process.

First, figure out page size based on form width and height and cpi and lpi and overflow. Then pick the next bigger standard PC form that will accommodate this, allowing for at least .5 inch margins. If the page is wider than it is tall, set the LANDSCAPE indicator. Next figure out what point size font will allow fitting each page of spool output onto a single page of standard pc paper. In figuring out what font size to use in generating PDF, we calculate a point size based on as/400 cpi ( $120/\text{cpi} = \text{point size}$ ) and another point size based on as/400 lpi ( $72/\text{lpi} = \text{point size}$ ). Then we choose the smaller font to insure that the output will not overflow either the line or the page.

## Report Distribution

The Report Distribution function is used to split a spooled file into parts to be e-mailed to various recipients. Rules to separate the spooled file and the corresponding e-mail addresses are maintained using the Report Distribution Rules in the configuration section.



The screenshot shows a dialog box titled "Distribute a Spool File using Rules". It contains the following fields and controls:

- Spool File Name:** A text box containing "Orderprint".
- Spool Number:** A text box containing "1".
- Job Details:** A section containing three sub-fields:
  - Job Name:** A text box containing "ORDERPRINT".
  - Job User:** A text box containing "STEVES".
  - Job Number:** A text box containing "213018".
- File type:** A dropdown menu showing "\*PDF".
- Rule Set:** A dropdown menu showing an empty field.
- Subject:** A dropdown menu showing "\*RULETEXT".
- Message:** A text area with up and down arrow buttons on the right.
- Attachment File...:** A dropdown menu showing "\*RULESET".
- Delete Original File?** A checkbox that is currently unchecked.
- Buttons:** "Run", "Skip", and "Cancel" buttons at the bottom right.

## Options

**Spool File Info** - Display of selected spool file attributes.

**File Type** - Select the file conversion to be applied to the spool file.

**Rule Set** - Specifies the name or the rule set to apply to the spooled file and distribute the appropriate parts to the various recipients. Rule Sets are created using the Report Distribution Rules in the configuration section.

**Subject** - Enter the subject line to send with the email.

**Message** - Specify the message text that will be sent to the email recipients.

**Attachment File** - Specifies the file name associated with a PC file being sent. Up to 255 characters, including file extension, can be used for an attachment file name.

\***RULESET** - Uses the rule set name specified above.

\***SPLFNAME** - Uses the spooled file name from the selected spool file

\***USRDATA** - Uses the user data of the selected spool file.

**file-name** - Specify the name that will appear in the recipients email for the attachment, or that is sent via FTP to a remote location. If a SEQUEL view is used to create the local file to be sent, the view name is the value passed to this command. If the file name does not have an extension, the EXT keyword on the ESNDUSR function is used to determine whether an extension is to be added. The extension is determined by the PC Format parameter.

**Delete Original** - Check to delete the spool file after sending the email.

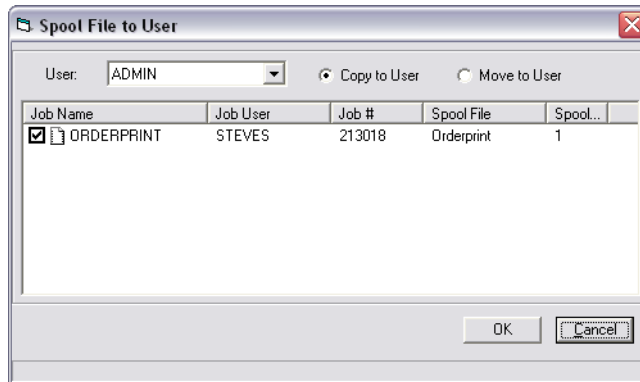
**Run** - Press to convert the spool file.

**Skip** - Move to the next file.

**Cancel** - Press to exit without converting.

## Copy to User

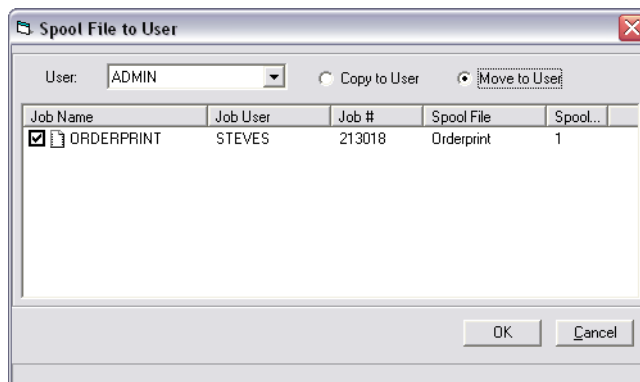
Choose a user from the drop down list. Press **OK** to copy.



## Move to User

The Move to User function is accessed from the main Esend node.

Choose a user from the drop down list. Press **OK** to move.





---

# Appendix

## Target Machine - EBCDIC vs. ASCII

Esend supports specific transfer types to ensure that files are transferred between systems with content preserved. Transfer type is determined automatically depending on the type of file and the remote system type as determined by the form and content of the destination path. See FTP Path Rules on page 71 for more information.

All transfers between iSeries library systems are Binary. Binary format is used to transfer data without conversion to prevent loss or corruption of data. While binary transfer is able to send packed numeric data, it is important to note that FTP is not able to transfer Database file definition information to the recipient. This means that FTP cannot create a file in a target iSeries library that looks like the original file on the sending system. It will create a file, but will use an arbitrary record length with a single field in the record. Therefore, in order to use FTP to transfer iSeries library system files, it is necessary to first create the target file on the recipient system with the proper attributes.

Spool files sent to remote iSeries systems arrive as spool files on the remote system. They are placed on the QSYSPRT output queue with a file name of EFTPSPL and are owned by the remote user id. Spool files sent to non iSeries systems become ASCII text files named EFTPDTAF.TXT1 and are placed in the default current directory for the login id used for the transfer.

Files transferred from the iSeries library system to non iSeries type systems use EBCDIC to ASCII conversion. ASCII conversion allows both spooled file and text file data to be transferred correctly from the iSeries to non iSeries systems including iSeries IFS file systems. Transfer of files containing packed data can also be accomplished by using the SEQUEL EXECUTE function to unpack the data so that conversion to ASCII will accurately translate numeric data.

## FTP Recipient Requirements

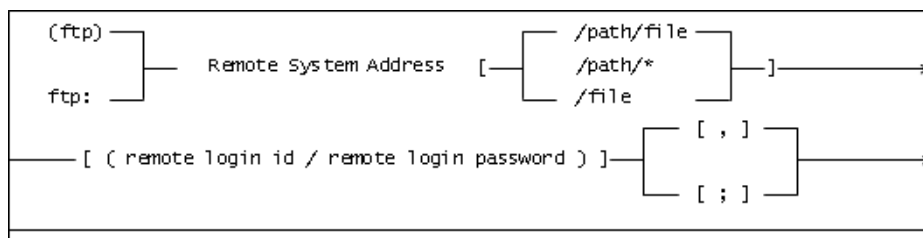
A number of Esend commands have a recipient parameter where an ftp (or e-mail) recipient can be entered. Information for frequently used recipients can be entered in a repository to reduce data entry requirements at runtime.(FTP Addresses) The following discussion will review the different types of information required to send data using ftp. The following discussion is relevant to each command that supports a

recipient parameter, as well as the specific repository commands that save this information for future use.

Effective use of FTP depends on understanding the different types of information provided to FTP through the RECIPIENT parameter on various Esend output functions.

## FTP String for RECIPIENT Parameter:

The following diagram illustrates the distinct types of information needed.



**(ftp) or ftp: or ftplist:** - The ftp prefix is required to indicate that the address which immediately follows is an ftp address, server profile or ftp list.

**Remote System Address** – The Remote System Address (RSA) specifies the name or IP address to which files are transferred. A name may be an Esend defined Server Profile, a name in a local host table or a Domain Name System (DNS) address.

The Remote System Address can also be supplied by referencing an Esend FTP List. Syntax for using a server profile name is identical to the syntax for using an actual remote system address, though the path and login information are optional when a server profile name is used.

**/path/file or %file** - This optional parameter allows a file path to be specified at the target location. Note that this path and file name are not used when sending spool files or multimember files. The process for sending spool files and multimember files uses the default current directory instead of the path entered in this parameter. The '%' character is an optional delimiter that can be used to omit the leading '/' as a path.

**path** - The path entry begins and ends with the '/' character and immediately follows the RSA. When a server profile is used for the Remote System Address, the



Remote FTP directory from the profile supplies the path value unless an explicit path is entered as part of the Recipient Parameter. The path may be omitted by entering a single '/' followed by a file name or by omitting the path and file name entirely. See page 71 for more on FTP Path Rules.

**file** - The file part of the Recipient parameter specifies the filename that ftp will write to on the remote system. If the file does not exist, it will be created. The file name immediately follows the path specification. A file name can be specified even when the path is not. The omitted path is represented by a single '/' character. When a server profile is used and the explicit path is omitted, the file name is concatenated to the server profile path to determine the complete destination for the ftp data. When an explicit path is entered, the explicit path overrides any path information from any server profiles or ftp lists that may be used to supply the remote system address. Note that the file name cannot be followed by a '/' character. If the path ends in a '/' FTP acts as though an '\*' placeholder name has been entered. It is recommended that the target file name be supplied. '\*' is a placeholder that gets replaced with the source file name when the transfer begins. The '\*' placeholder may be a useful shortcut when sending file data to another system.

### Path examples:

1. This example will put the file to the remote server without a leading '/'.  
**ftp:111.222.333.444%filename**

2. This direct entry ftp recipient explicitly specifies the full destination. The machine appears to be an iSeries, and the destination is a folder in the document library system.  
**ftp:111.222.333.444/qdls/ftpdocs/filename**

3. This direct entry ftp recipient omits the path specification. The file will be written to the root directory.  
**ftp:111.222.333.444/filename**

4. This recipient is specified as serverid#1. Esend first checks for a server profile by that name and uses the available information if found. If there is no server profile named serverid#1, Esend treats the name as a Domain Name and lets the iSeries attempt to resolve the IP address. Since a path is explicitly specified, the remote ftp directory information in the server profile (if found) will be ignored. The file will be written to folder sub2 in folder sub1 in folder dir1.

**ftp:serverid#1/dir1/sub1/sub2/filename**

5. This recipient is specified as eastftplst, an Esend defined ftp list. Each recipient in the list may have its own remote ftp directory path defined as part of the list entry or as part of the server profile referenced in the list entry. Since a path is not specified, the remote ftp directory information for each remote address in the list will be concatenated with the filename to supply a complete destination for the ftp data

**ftplist:<eastftplst>/filename**

or

**ftplist:<\*LIBL/eastftplst>/filename**

6. This direct entry ftp recipient explicitly specifies the full destination. The machine appears to be an iSeries, and the destination is a library named FTP-DATALIB in the library file system. Remember, ftp cannot create a library system file to match the definition of the source file, so the target file in ftpdatalib must be created prior to doing the ftp.

**ftp:111.222.333.444/qsys/ftpdatalib/filename**

***Note:** Path and file name information is not relevant when sending spool files or multiple member file data. The process for sending these types of information makes use of current directory information and ignores the path information entered here.*

**Remote Login Id and Password** - Login Id and Password are enclosed in parentheses and separated by a '/'. The Login Id and Password must be valid on the remote system and must enable sufficient authority to perform the transfer. Passwords entered in the line are NOT encrypted and are therefore available to anyone who could retrieve the command (as from a joblog). This is one of the more important reasons for using Server Profiles to supply remote FTP information in preference to direct parameter entry.

## Example

This example shows how the SEQUELEX/CUSTMAST file can be sent. The RECIPIENT parameter begins with FTP to indicate an FTP address and is followed by the RSA, target path (library TRAINING), target file name (CUSTMAST) and login id of USER3 with a password of USER3.

```
ESNDFILE RECIPIENT('FTP:11.222.33.444/QSYS/TRAINING/CUSTMAST  
(USER3/USER3)') TYPE(*FILE) FILE(SEQULEX/CUSTMAST)
```

***Note:** The CUSTMAST file must exist in the TRAINING library before initiating the FTP in order to receive the data in an easily useable form. The record format of the destination file must match that of the source file. FTP is not able to perform any data mapping operations, so if the target file is does not have the required record format, the results of the ftp operations will not be useable.*

## Additional examples:

Using a server profile (EFTPSVR) with a remote directory path:

Recipient parameter	Remote Directory from SRV01	Remote path for FTP
ftp:svr01/myfile.xls	/rmtmdir	/rmtmdir/myfile.xls
ftp:svr01/myfile.xls	Blank	/myfile.xls
ftp:svr01%myfile.xls	/rmtmdir	/rmtmdir/myfile.xls
ftp:svr01%myfile.xls	\rmtmdir	\rmtmdir\myfile.xls
ftp:svr01%myfile.xls	Blank	myfile.xls
ftp:svr01%/myfile.xls	/rmtmdir	/rmtmdir/myfile.xls
ftp:svr01%/myfile.xls	Blank	/myfile.xls

When not using a server profile

Recipient parameter	Remote path for FTP
ftp:10.1.1.10/myfile.xls	/myfile.xls
ftp:10.1.1.10%myfile.xls	myfile.xls
ftp:10.1.1.10%/myfile.xls	/myfile.xls
ftp:10.1.1.10%/rmtmdir/myfile.xls	/rmtmdir/myfile.xls
ftp:10.1.1.10%rmtmdir/myfile.xls	rmtmdir/myfile.xls

## FTP Path Rules

It is important to understand the path and file syntax that FTP can process. A **file name** is the name of a PC file with or without an extension that resides in a directory or is an iSeries file that resides in a library. The name does not include the directory or library in which the file resides. A **path name** is the name of the PC directory and sub directories or of the iSeries library in which the file will or does reside. When combined, these constitute the FTP path.

When looking at a completed FTP path, the **file name** is the identifier **following the last '/'** (forward slash). The **path name** is the text string **preceding the last '/'** (forward slash).

## FTP Path syntax

A valid FTP path name can be in iSeries format or in PC format.

### PC Format

The PC format can be used to designate any IFS path as well as iSeries library system paths. This is the equivalent of Namefmt 1 in IBM FTP terms.

Library System paths specify a qualifier for each part of the path indicating what type of information each piece of the path represents.

For Example:

Library file system:    /qsys.lib/**libname**.lib/**filename**.file/**mbrname**.mbr

PC File system:        /mydir/mysubdir/myfile.ext

### iSeries Format

The iSeries format is a simplified version of the PC format and is provided to facilitate entry of path information when the destination is an iSeries library. This is the equivalent of Namefmt 0 in IBM FTP terms.

/QSYS/Libraryname/Filename . Member name

For Example:

/qsys/mylib/myfile.mymbr

Esend interprets any path that begins '/qsys/' as an iSeries formatted path. For this reason, you cannot use Esend to FTP to an IFS folder named QSYS. (Note that the folder name for the library system is QSYS.LIB.

## FTP Target Path hierarchy

FTP recipients can be specified by direct entry of all information in the recipient parameter or by referencing named server profiles or ftp lists on the recipient parameter. When using named profiles and ftp lists, target path information can still be directly entered as part of the recipient value. When both named profiles/lists and direct path entry is used, there is a hierarchy for determining the actual ftp target path.

The target path used will be based on selection of the first available in the order shown:

- Direct parameter entry - overrides all other sources
- List entry - overrides Server Profile path entries
- Server Profile - used when not overridden by list entry or direct entry

For example, a path specified directly in the RECIPIENT parameter overrides the path in a list. Likewise, a path specified in a list entry overrides the path in the Server Profile referenced in the list entry.

A target path of \* (asterisk) will substitute the source path.

## FTP Target File Name

If a target path is available, the target file name is concatenated to the path to provide the FTP target path.

If neither the target path nor target file is specified, the FTP path of the source file is used as the target FTP path.

If a target path exists and a target file name is not specified or is \* (asterisk), the source file name is used as the target file name.

## FTP Path Examples

This chart shows how the local and remote target paths are related.

Source FTP Path	Target Path	Resulting FTP target
Locallib/localfile.localmbr	remotelib/*	remotelib/localfile.localmbr
/tmp/target.txt	/home/mydir/*	/home/mydir/target.txt
Locallib/localfile.localmbr	*	locallib/localfile.localmbr
/tmp/target.txt	*	/tmp/target.txt
Locallib/localfile.localmbr	remotelib/remotefile.remotembr	remotelib/remotefile.remotembr
/tmp/target.txt	/home/mydir/newtarget.txt	/home/mydir/newtarget.txt

## Return Address Resolution

All Internet e-mail messages have a return e-mail address associated with the message. Since it is unlikely you are using your iSeries as your primary mail system, you will probably want any replies to Esend e-mail routed to a 'normal' e-mail address.

Esend uses several sources for deriving this "From" or return address for the messages it sends. It always searches these sources in the following order:

1. Data area named ESNDADTA in QTEMP.

The first source is provided as a way for jobs to dynamically control the sender address by creating a 256 byte data area in QTEMP that contains the desired sender e-mail address. For example, inserting the following command before making the e-mail request would result in your message appearing to be sent by JohnDoe:

```
CRTDTAARA DTAARA(QTEMP/ESNDADTA) TYPE(*CHAR) LEN(256)
VALUE(' johndoe@asc-iseri.es.com')
```

2. Esend address database maintained using the Esend Address Book/From Address function.

The recommended method is to define From Addresses for each iSeries profile. This is performed using the Address Book / From Address function of the Esend plugin. While this method is direct and easy, it does require maintaining information for each user id that will be sending mail.

When mail is sent, these definitions will be checked to determine the Originator SMTP Address. If Esend does not find an entry here, it will check the System Alias Table for an entry. If you already have directory entries created for users on your system, you may want to consider using these entries as the source of the return mail address.

3. System Alias Table

At a command line, enter the command WRKDIRE and find or create an entry for your user profile. Press F19 to define a SMTP address for your directory entry. Enter the address you would like to appear as the "From" address in Esend messages. If, for example, you want to use: **jdoe@bigstuff.com**, enter **jdoe** as the SMTP user ID and **bigstuff.com** as the SMTP domain. Press Enter to finish creating the entry. This type of entry is known as the System Alias Table (SAT) Entry. There is a limitation of 24 character for the SMTP user id and a directory entry is required for the profile.

4. Derived by concatenating the USER ID with the system Domain Name entered in the TCP/IP configuration.

If Esend cannot find an SMTP address in either the Esend From Address database or in the System Alias table, it will create a return address by concatenating your user ID with the domain name found in the domain information part of the TCP/IP configuration. This derivation frequently produces invalid e-mail addresses and can sometimes prevent Esend from successfully sending messages.





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