

# FORTRA



Robot Transform  
1  
User Guide

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**Notes:**

### ■ Native IBM i Output Management

Today's IT professionals are faced with the challenge of providing secure, accurate, and timely information to anyone, anywhere in the world, instantly. Robot Transform allows you to get your users and customers the IBM i files they need quickly in the easy-to-use Adobe Portable Document Format (PDF).

Robot Transform monitors output queues and IFS directories for the files you want to process, then converts these files to PDF and distributes them to the IFS directories you specify. You also can e-mail converted files to your users, who can view them on any PC, laptop, or PDA.

Because Robot Transform preserves all embedded graphics and the spooled file format, your users see color graphics, fonts and logos, and unlimited formatted columns in IBM i reports. The documents are professional quality and they are easy to read.

With Robot Transform, you no longer have to print your reports. You can e-mail them to your users, wherever they are. Users can search the files using Adobe's free Acrobat Reader to find what they need fast.

And, Robot Transform runs natively on the IBM i. A separate UNIX or Windows server for file conversions is not necessary. And, because of the unmatched reliability of the IBM i, Robot Transform can convert a high volume of large files with no problem. Robot Transform is the key to happy and well-informed users through IBM i output automation.

### ■ High Quality Color Files

Robot Transform converts files created by electronic forms packages that generate \*AFPDS, \*USERASCII, and \*SCS output to PDF. All embedded graphics—your company logo, bar codes, form images, and more—in the original file display in full color in the PDF file. Your users and customers get fast, accurate, and professional quality documents. You also can eliminate preprinted color forms because Robot Transform allows you to use a color printer and plain white paper to create full color documents.

### ■ Easy File Distribution

Robot Transform allows you to get your IBM i files to your users fast. When you define spooled and IFS file sets to Robot Transform, you can select a distribution list to use for the file set's converted files. Once a file is converted to PDF, Robot Transform distributes it to every location on the list. Robot Transform also can send a notification to users to let them know the PDF is ready.

### ■ File Name Templates

You can e-mail PDF files as attachments to your users anywhere, anytime. Users can view the files on any device that supports e-mail. If you use Robot Alert, the pager and e-mail messaging software, you can e-mail files to users automatically.

Robot/TRANSFORM's name templates allow it to generate unique and identifiable files names automatically for each PDF as it is created. You define name templates by selecting file naming variables, such as file name, file extension, creation date and time, and more. When you define spooled and IFS file sets in Robot Transform, you can select a name template for the file set. You save time and confusion because you determine file names that make sense to you and your users.

### ■ Robot Transform Security

Robot Transform security allows you to make sure your files and the information in those files is protected at all times. You also get extensive flexibility when it comes to protecting your files. You can define the authority level of Robot Transform users by assigning each user a role. The security roles in Robot Transform give your users Exclude, Change, View Only, or Use authority.

Robot Transform also eliminates a potential security risk you may not have considered: lost or stolen reports, invoices, or other documents. Your systems are password-protected, unlike the printers, file cabinets, and desks where your documents are generated and stored. Robot Transform gives you the confidence of knowing your documents are being viewed by the intended recipients.

### ■ Commands to Automate File Conversions

Robot Transform includes commands you can use to convert files to PDF, start and stop monitor jobs, purge history records, and more. You can schedule the Robot Transform commands in Robot Schedule, the job scheduling and batch management software. Using these commands, Robot Schedule can handle your IBM i output management, error-free and hassle-free.



## ■ Software Requirements

To set up automated monitoring of IFS directories for files to convert, you must have the following installed on your System i.

Licensed Programs for V5R4

- 5722SS1 opt 30 - Qshell
- 5722JV1 \*base - IBM Developer Kit for Java
- 5722JV1 opt 6 -Java Developer Kit 1.4 (default value used)

Licensed Programs for V6R1

- 5761SS1 opt 30 – Qshell
- 5761JV1 \*base - IBM Developer Kit for Java
- 5761JV1 opt 6—Java Developer Kit 1.4 (default value used)

Licensed Programs for V7R1

- 5770SS1 opt 30 - Qshell
- 5761JV1 \*base - IBM Developer Kit for Java
- 5761JV1 opt 11 - Java SE 6 32 bit (default value used)

The Robot Transform install process copies the following files to the IFS in the path /Help Systems/installs:

- trinst.sh
- common.jar
- rbtrn.jar

**Note:** We've indicated the default java version. This can be overridden after the installation process.

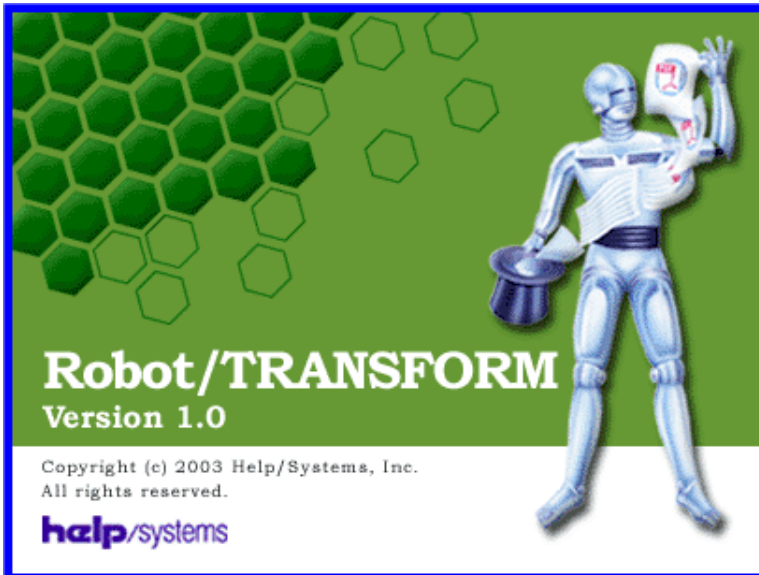
**Note:** The installation process restored the following three libraries to your system for use during installation: HSBOOT, RBTCDLIB, and HSSAVF. In case you are doing multiple installations, we do not remove them from your system. You can delete them when you have finished your installations.

## ■ Required Versions of Robot Products (if installed)

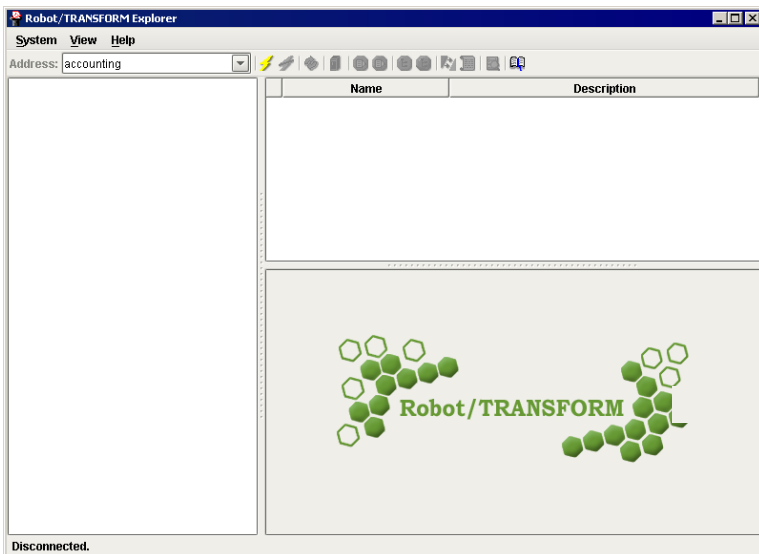
You can use Robot Transform with these Fortra products:

- Robot Alert version 5.13 or higher
- Robot Network version 9.0 or higher
- Robot Reports version 7.0 or higher. Note: Robot Reports 7.0 includes a Robot Transform output option
- Robot Schedule version 9.0 or higher

## Quick Tour 1: Starting Robot Transform Explorer



1. To start Robot Transform, select Start\Programs\Help Systems\Robot Transform\Robot TRANSFORM. The Robot Transform Splash Screen appears indicating the current version of Robot Transform.



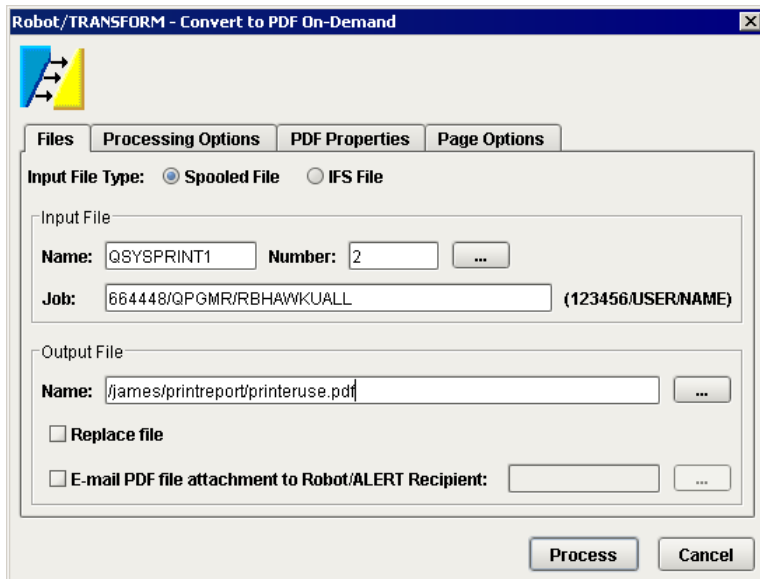
2. When the Robot Transform Explorer displays, enter the system name (or IP address) in the Address field and click on the system connect icon on the tool bar.



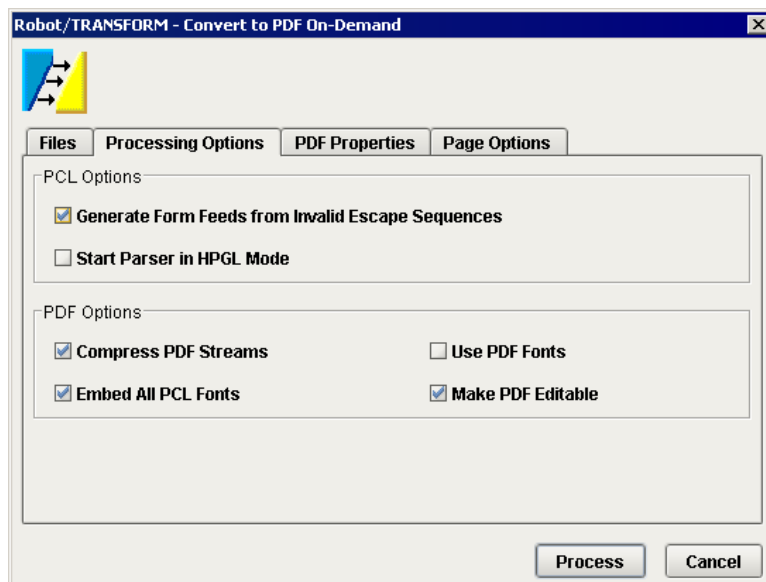
3. When the Server Logon dialog box displays, enter your IBM i user name and password and click **OK**. The Robot Transform Explorer for the selected system displays. You must connect to a system to work with Robot Transform

## Quick Tour 2: Performing On-Demand Conversion

When you want to convert a spooled file or IFS file to PDF immediately, you can use the Convert to PDF On-Demand window. This Quick Tour discusses converting a spooled file on demand. The process for converting an IFS file is similar. See On-Demand Conversion, later in this User Guide, for complete information on performing on-demand conversions.



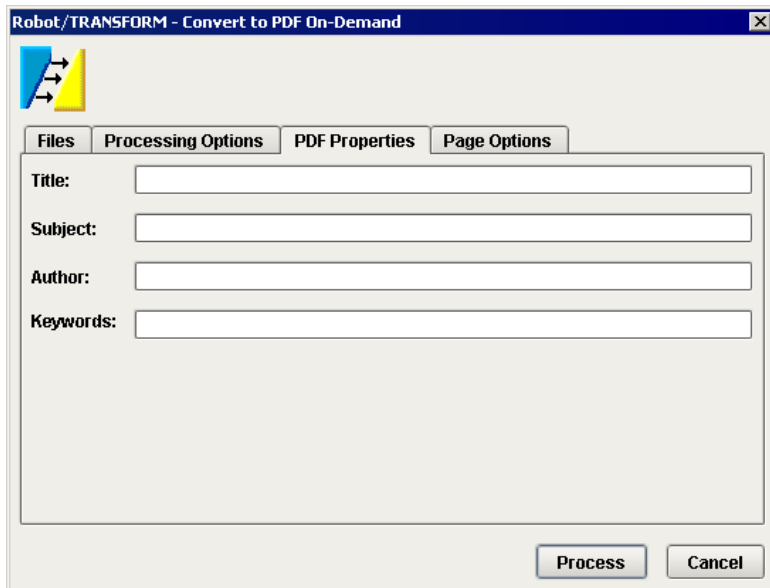
1. To convert a file on demand, click the **On-Demand Conversion** button on the Robot Transform Explorer tool bar. The Convert to PDF On-Demand window displays. The Input File Type field defaults to Spooled File. If you want to convert an IFS File, select **IFS File** in the Input File Type Field. Enter the name and number of the spooled file to be converted. Enter the job that created the spooled file. Use the format: job number/job user/job name. Or, click the Finder button to select a spooled file. The Input File fields are completed automatically. In the Output File section, enter a name for the converted file and the directory where it should be placed. You can select to replace an existing file in the location. If you use Robot Alert, it can send the converted file as an e-mail attachment to a user or broadcast list.



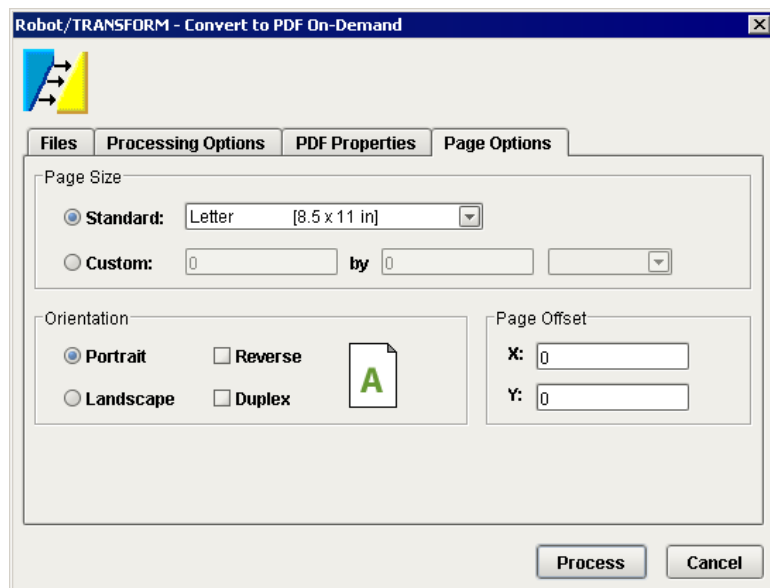
2. Click the Processing Options tab to specify the PDF and PCL options for the file.
 

**Note:** The defaults specified during system setup display on this tab. You can change them if necessary. See Setting Conversion Defaults, later in this User Guide, for more information.

## Quick Tour 2: Performing On-Demand Conversion



3. Click the PDF Properties tab to specify a Title, Subject, Author, and Keywords for the file. Users can display these attributes when they view the PDF using Adobe Acrobat.



4. Click the Page Options tab to select the page size, orientation, and page offset options for the file.

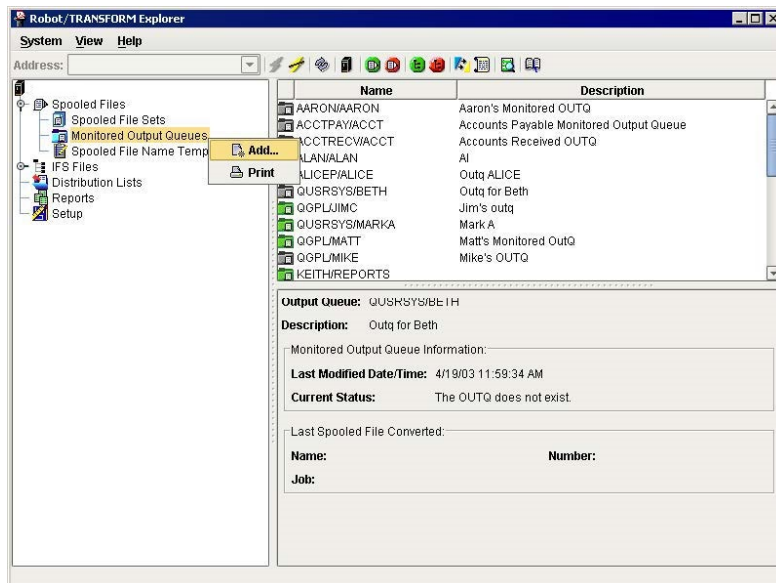
**Note:** The defaults specified during system setup display on this tab. You can change them if necessary. See *Setting Conversion Defaults*, later in this User Guide, for more information.

Click **Process** to convert the file.

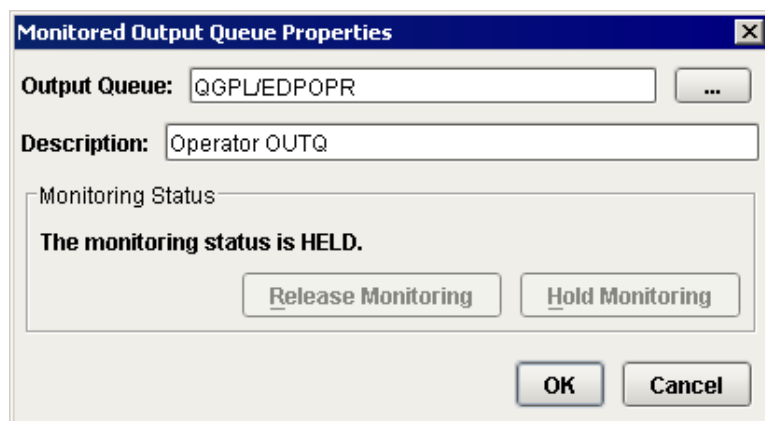
### Quick Tour 3: Setting Up Automated Spooled File Monitoring

To automate spooled file monitoring, you first create monitored output queues, which tell Robot Transform the locations to monitor for the files you want to convert to PDF. You then create file sets that specify which files in the monitored locations Robot Transform should convert to PDF and how you want them converted.

This Quick Tour discusses creating a monitored output queue and a spooled file set to automate spooled file monitoring. The process for automating IFS file monitoring is similar. See Spooled File Sets and IFS Sets, later in this User Guide, for complete information.



1. To create a monitored output queue, right-click on **Monitored Output Queues** in the Tree view and select **Add**.

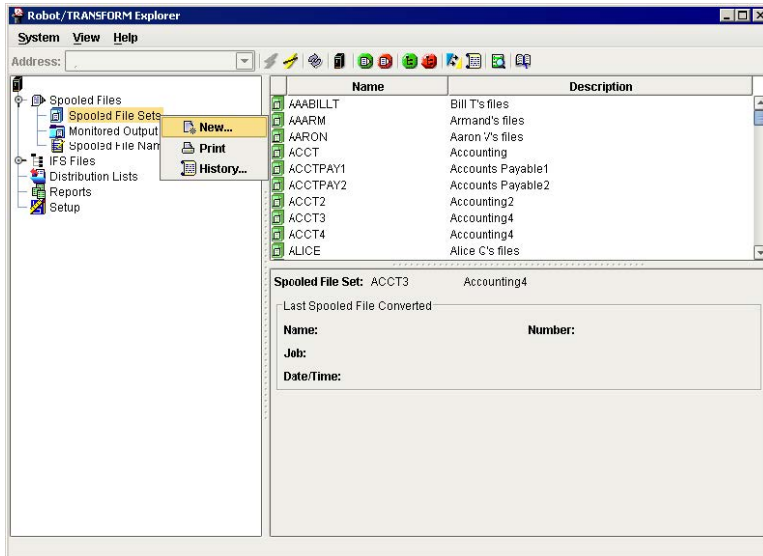


2. The Monitored Output Queue Properties window displays. Enter the name and description of the output queue you want Robot Transform to monitor. Click **OK** to create the monitored queue.

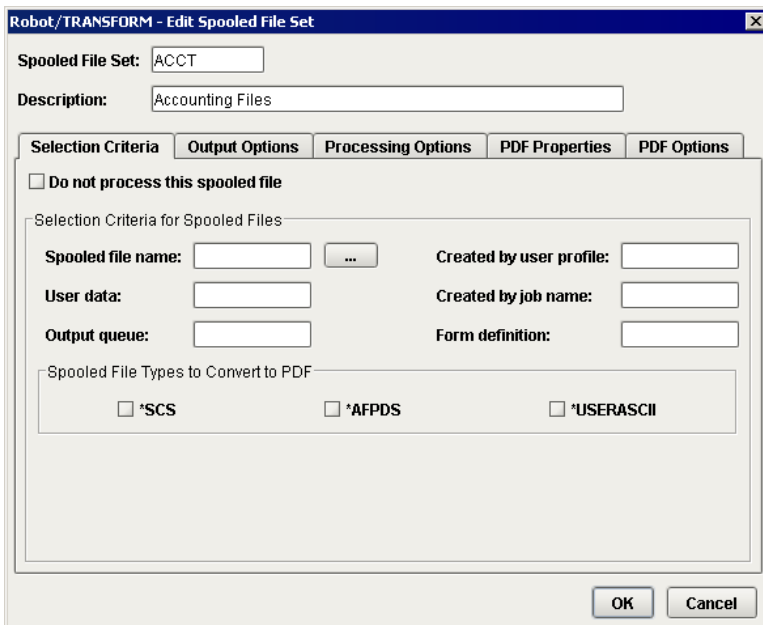
The name and description of the new output queue display in the List view on the Robot Transform Explorer. The output queue is on hold. Select the queue in the List view and Release it for monitoring.

## Quick Tour 3: Setting Up Automated Spooled File Monitoring

After you have defined an output queue for Robot Transform to monitor, you can create a spooled file set to specify the files in the output queue to convert.



3. To create a spooled file set, right-click on **Spooled File Sets** and select **New**.



4. The Edit Spooled File Set window displays. The window has five tabs that allow you to define how spooled file will be converted.

Enter a name and description for the file set. You also can specify selection criteria for the file. Then, select the file types you want to convert to PDF.

Or, click the Finder button to select a spooled file. The Selection Criteria fields are completed automatically.

### Quick Tour 3: Setting Up Automated Spooled File Monitoring

The screenshot shows the 'Robot/TRANSFORM - Edit Spooled File Set' dialog box with the 'Output Options' tab selected. The 'Spooled File Set' is 'ACCT' and the 'Description' is 'Accounting Files'. Under the 'Distribution' section, the following options are visible:

- IFS Directory: /common/accounting/
- Replace file
- E-mail PDF file attachment to Robot/ALERT Recipient:
- Distribution List: Acct

Buttons for 'OK' and 'Cancel' are at the bottom right.

- Click the Output Options tab to specify output information for the converted PDF file. You must specify either an IFS directory or a distribution list where the converted file will be distributed. (See Quick Tour 5: Setting Up a Distribution List for more information on defining Robot Transform's distribution lists.)

If you use Robot Alert, you also can select an e-mail recipient or broadcast list for the PDF.

You also can select a name template to use for naming the converted PDF file from the file set (see Quick Tour 4: Setting Up a Spooled File Name Template for more information).

The screenshot shows the 'Robot/TRANSFORM - Edit Spooled File Set' dialog box with the 'Processing Options' tab selected. The 'Spooled File Set' is 'ACCT' and the 'Description' is 'Accounting Files'. Under the 'Post-Conversion Notification' section, the following options are visible:

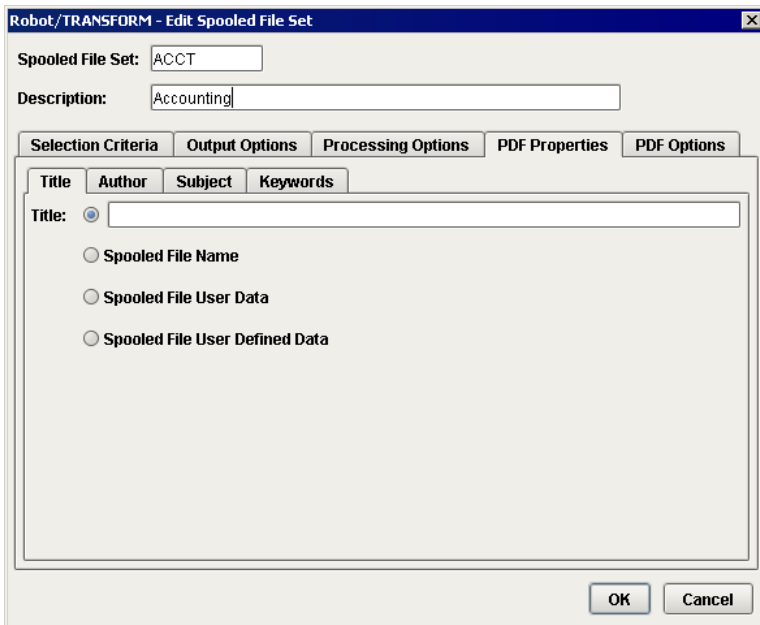
- Delete original file after conversion
- Generate formfeed from invalid Escape sequence
- Start Parser in HPGL mode
- Send Robot/ALERT message after completion (radio buttons: Always selected, After Failure, After Success)
- Initiate Robot/SCHEDULE reactive jobs after completion
- Send message to Message Queue after failure

Buttons for 'OK' and 'Cancel' are at the bottom right.

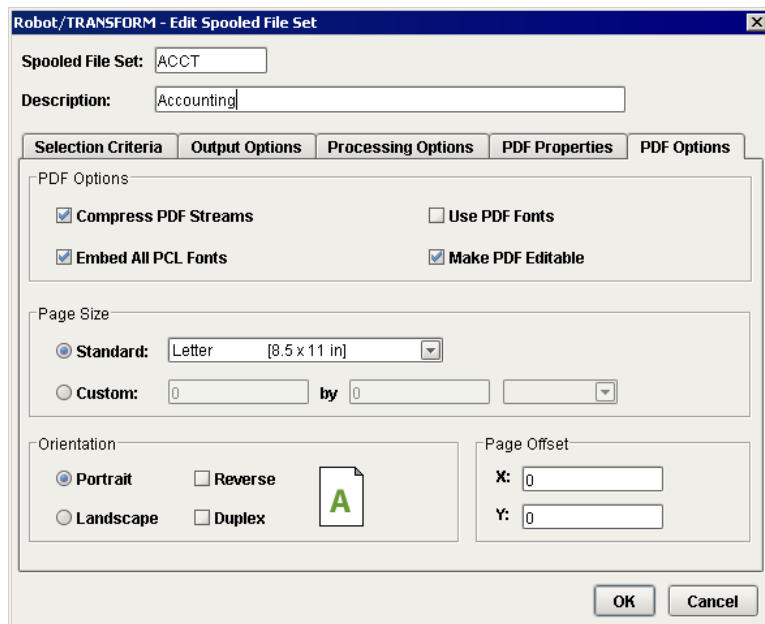
- Click the Processing Options tab to enter PCL options and post-conversion notification options. The PCL options are described completely in the Spooled File Sets section of this User Guide. Use the Post-Conversion Notification section of this window to specify any additional notification options:

- If you use Robot Alert, you can send a notification message for successful, failed, or all file conversions.
- If you use Robot Schedule, you can start a reactive job after the conversion.
- You also can specify if you want to send a message to a message queue if the file conversion fails.

## Quick Tour 3: Setting Up Automated Spooled File Monitoring



7. Click the PDF Properties tab to specify a Title, Author, Subject, and Keywords for the PDF file. Users can display these attributes when they view the PDF using Adobe Acrobat.



8. Click the PDF Options tab to enter PDF options, and specify page size, orientation, and page offset options.

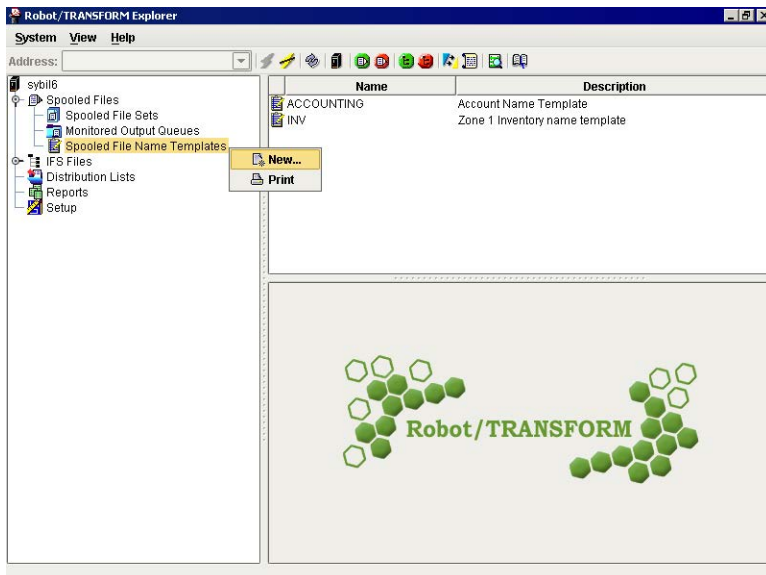
The conversion defaults entered during system setup display on the PDF Options tab. You can change these default values as needed for each file set you create.

Click **OK** to save the file set.



## Quick Tour 4: Setting Up a Spooled File Name Template

Robot Transform uses name templates to generate unique and identifiable file names for your IFS and spooled file PDFs as they are created. You can select a name template to use when you define a spooled file or IFS set. This Quick Tour discusses creating a spooled file name template. The process for creating an IFS name template is similar. See Spooled File Name Templates and IFS Name Templates, later in this User Guide, for more information.



1. To create a spooled file name template, right-click on **Spooled File Name Templates** and select **New**.

2. The Spooled File Name Template Properties dialog box allows you to select from a number of attributes that define how the PDF file name is generated. Enter a name and description for the name template.

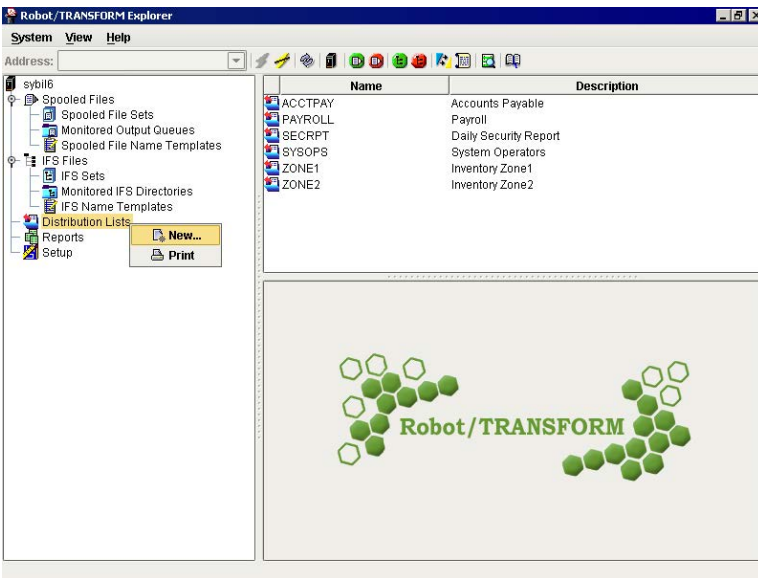
As you select different attributes, the Generated Name Format field changes to show how the PDF file name will appear. For example, if you select the Text attribute, you can enter text in the Text field, which then displays at the beginning of the file name.

After you've selected the attributes you want to use, click **OK** to save the name template.

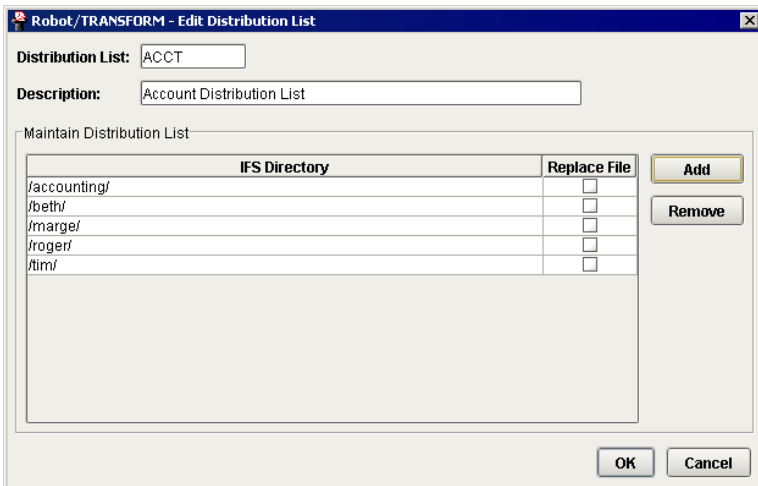
You can use the name template for one or more spooled file sets.

## Quick Tour 5: Setting Up a Distribution List

Distribution lists allow you to define one or more IFS directories in which to place your converted IFS and spooled files. Robot Transform places a PDF in each directory in the distribution list. You can select a distribution list to use to distribute the converted files when you create spooled file and IFS sets.



1. To create a distribution list, right-click on **Distribution Lists** and select **New**.



2. Enter a name and description for the distribution list. Click **Add** to display the Edit Distribution List Directory window. Enter the directory name and click **OK** for each directory you want to add to the list.

Select **Replace File** if you want a new PDF file to replace an existing file in the selected directory.

If you want to remove a directory from the distribution list, select the directory and click **Remove**.

Click **OK** to save the distribution list.

You can use the distribution list for one or more spooled file sets or IFS sets.

# **Robot Transform Explorer**

## ■ About the Robot Transform Explorer

The Robot Transform Explorer is the main navigation tool for Robot Transform. You use the Explorer to set up and control all aspects of converting your files to PDF. Using the Explorer, you can connect to a system; define spooled file and IFS sets, distribution lists, and name templates. You also use the Explorer to set up product security and the conversion defaults for your files.

The Explorer consists of three main elements: the Tree view, the List view, and the QuickView. The Tree view displays the system you are connected to and the options you can use to set up and work with the files you want to convert.

The List view displays the detail of the selected option in the Tree view. For example, if you click on Reports in the Tree view, the List view displays the Robot Transform reports.

The QuickView displays detail information for a selected item in the List view. For example, if you click on the Good Morning Report in the List view, the QuickView displays a brief summary of the Good Morning Report.

## ■ Explorer Menus, Tool Bar, and Status Bar

The Explorer has three menus: System, View, and Help. You use the System menu to connect to a system and enter product licensing information. You use the View menu to change the appearance of the Explorer. You use the Help menu to display information about Robot Transform and the online help.

The Robot Transform Explorer tool bar allows you to control the status of the Robot Transform monitor jobs; perform an on-demand conversion and view on-demand conversion history; view spooled files and view the online help.

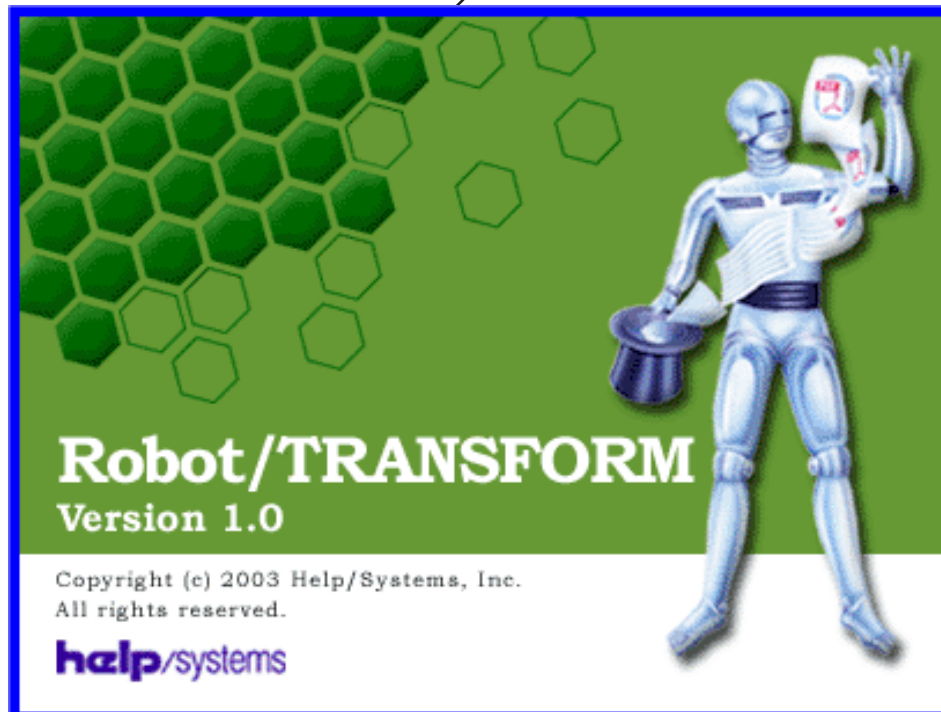
A status bar displays Robot Transform messages. For example, the status bar displays a succeed or fail message when you connect to a system, or displays a hold or release message when a monitor job status is changed.

## Starting Robot Transform

To start Robot Transform, select Start\Programs\Help Systems\Robot Transform\Robot TRANSFORM. The Robot Transform splash screen displays indicating the version of Robot Transform.



When you start Robot Transform, the Robot Transform splash screen displays first, indicating the version of Robot Transform.



## The Robot Transform Explorer

The Robot Transform Explorer allows you to set up and control your file conversions to PDF. Use the Explorer to connect to a system; define file sets, distribution lists, and name templates; run Robot Transform reports; and perform system setup. The Explorer contains a menu bar with three menus; a tool bar; a status bar; and three views: Tree, List, and QuickView. When you connect to an IBM i system and begin using Robot Transform, the Tree, List, and QuickView display different information depending on the Tree view option you select.

Use the Robot Transform Explorer menus to connect to and disconnect from systems, view system properties, view or change licensing information, change what's displayed on the main window, and display online help.

Use the tool bar to connect to and disconnect from a system; refresh the information in the List View; start and stop file monitor jobs; launch the On-Demand Conversion tool and view its history files; view spooled files for the current user; and display online help.

The Tree View displays the main Robot Transform options.

The List View displays detailed information for the option selected in the Tree view.

The screenshot shows the Robot/TRANSFORM Explorer window. The menu bar includes System, View, and Help. The address bar is empty. The Tree View on the left shows a hierarchy: Spooled Files, IFS Files, Distribution Lists, Reports (selected), and Setup. The List View in the center displays a table of reports:

Name	Description
IKN4U1P	System Setup Report
TRN403P	Good Morning Report
TRN405P	Security Setup Report
TRN420P	Name Templates Report
TRN421P	Distribution List Report
TRN450P	History Report
TRN470P	Spooled File Sets Report
TRN471P	IFS File Sets Report
TRN480P	Monitored Output Queues Report
TRN481P	Monitored IFS Directories Report

The QuickView at the bottom displays the details for the selected report, TRN403P - Good Morning Report:

**TRN403P - Good Morning Report**

This report lists a summary of file conversions. The report includes:

- Number of spooled files converted
- Number of IFS files converted
- Number of failed spooled file conversions
- Number of failed IFS file conversions
- Total files processed

You will be able to select the following:

- Date Range
- Time Range

**Note:** Report can be scheduled if Robot/SCHEDULE is installed.

Connection Succeeded.

The status bar displays Robot Transform status messages.

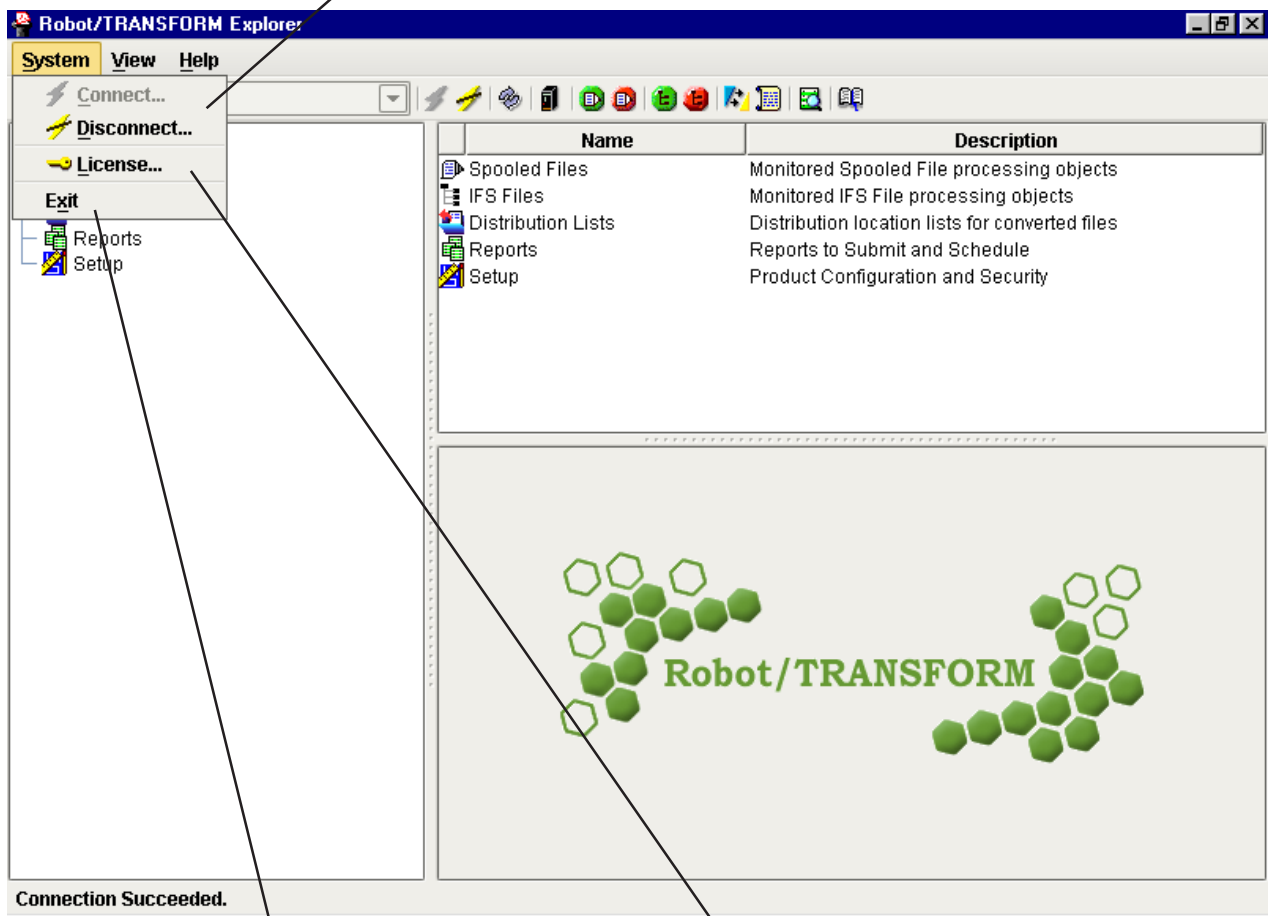
The QuickView provides more detail about the item selected in the List View. You must have QuickView turned on to see this information (see the View Menu, later in this section).

## The System Menu

Use the System menu to connect and disconnect from an IBM i system, display Robot Transform license information, and exit from Robot Transform.

Select **Connect** to connect to the system specified in the Address field. The Connect option displays the Server Logon window allowing you to enter your user ID and password.

Select **Disconnect** to disconnect from the system.



Select **Exit** to close the Robot Transform Explorer window and exit from Robot Transform.

Select **License** to display to the Product License window. Use this window to enter or display the Robot Transform License Code and system information for the system to which you are connected.

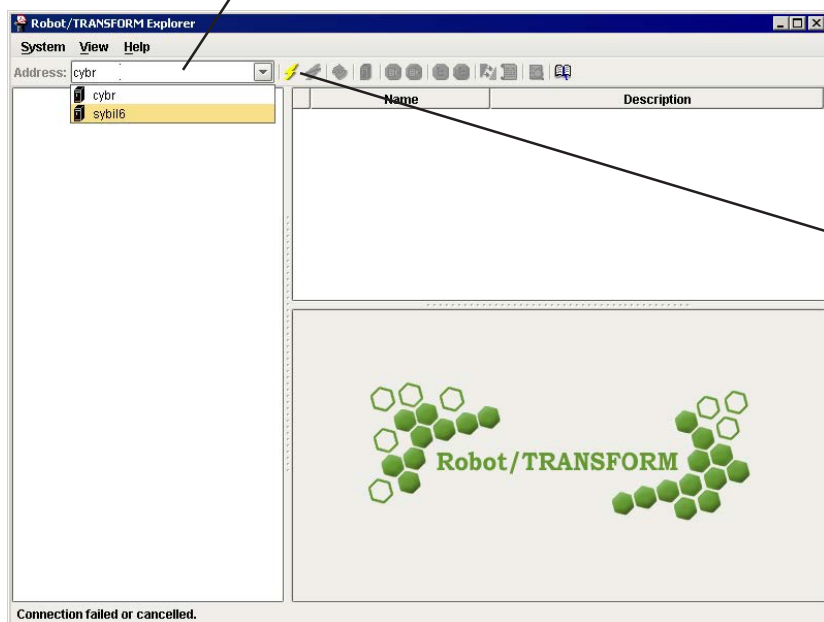
## Connecting to a System

You can connect to a system from the System menu or using the Robot Transform tool bar. Specify the system name or IP address of the system to which you want to connect in the Address field on the Robot Transform Explorer.

Then, either select **Connect** from the System menu or click the Connect button on the tool bar. When the Server Logon window displays, enter your user ID and password to connect to the system.

Enter the system name or IP address of the system to which you want to connect. A system name must be defined in the local host table or DNS before you can connect to it.

Or, click the System Selector to display the drop down menu and select a system that has been accessed previously.



Click the **Connect** button on the tool bar to display the Server Logon window. You also can select **Connect** from the System menu.

Enter your user name and password for the system.



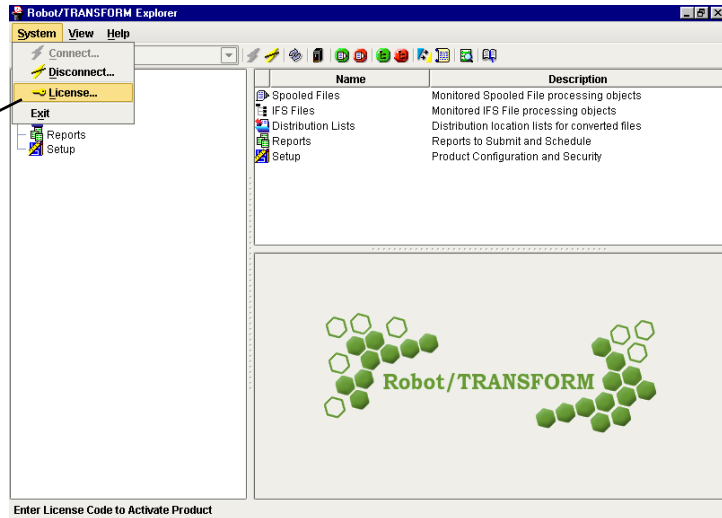


## Displaying the Product License Code

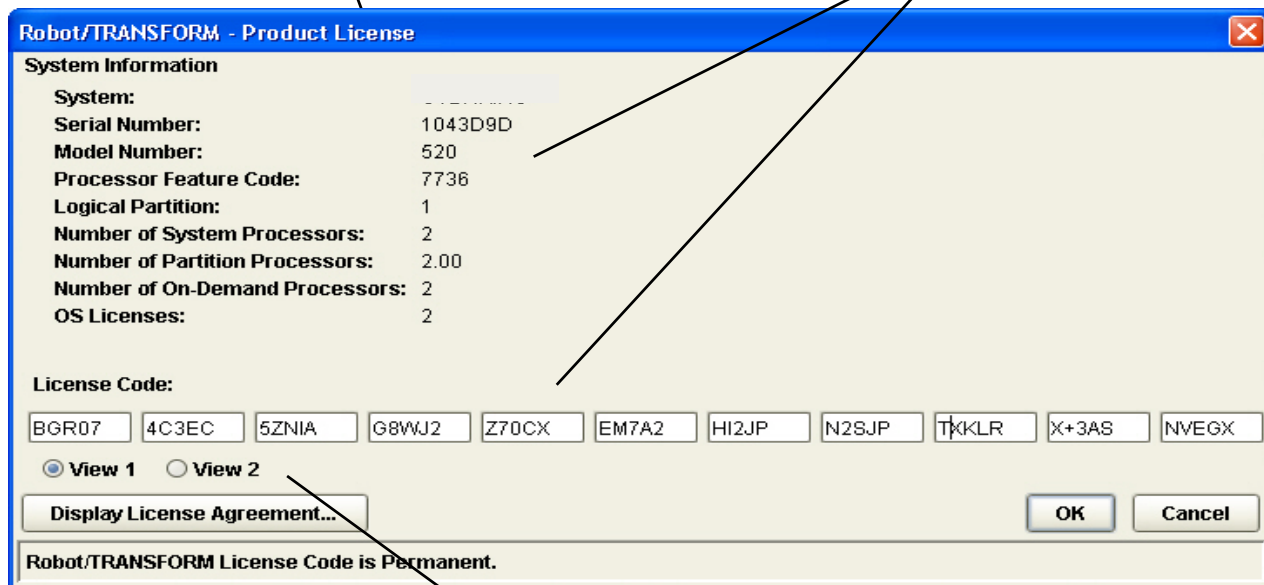
You can display the Robot Transform product license code from the System menu. You must be connected to a system to enter or display its license code.

Select **License** from the System menu. The Product License window displays the system information and the license code for the system to which you are connected.

Select **License** from the System menu to display the Product License window.



The System Information displays on the Product License window. Enter the Robot Transform license code in the License Code field.



Select **View 1** or **View 2** to change the License Code display. View 2 displays the License Code in one field.

## The View Menu

Use the View menu to change what appears in the Robot Transform Explorer. You can display or hide the Tool Bar, Status Bar, and QuickView by selecting the options you want to display. You also can change the look and feel of the Robot Transform Explorer window.

The screenshot shows the Robot Transform Explorer application window. The 'View' menu is open, displaying several options. Callout boxes provide instructions for each option:

- Select **Tool Bar** to display or hide the Tool Bar.** (points to the Tool Bar checkbox)
- Select **Status Bar** to display or hide the Status Bar.** (points to the Status Bar checkbox)
- Select **QuickView** to display or hide the QuickView.** (points to the QuickView checkbox)
- Select **Look & Feel** to change how the Robot Transform Explorer window looks. Selecting a new Look & Feel changes the color and font scheme and how the buttons appear on the window. Robot Transform is shipped with the default set to Alloy.** (points to the Look & Feel submenu)
- Select **Refresh** to update the information displayed in the Tree and List Views.** (points to the Refresh button)

The 'Look & Feel' submenu is expanded, showing the following options:

- Alloy
- Acid
- Bedouin
- Glass
- Java Look and Feel
- Disco
- Fiesta
- Rainforest
- Robot

The main window displays a table with the following data:

Name	Description
Spooled Files	Monitored Spooled File processing objects
Files	Monitored IFS File processing objects
Distribution Lists	Distribution location lists for converted files
Reports	Reports to Submit and Schedule
Product Configuration and Security	Product Configuration and Security

At the bottom of the window, a status bar displays the message: **Connection Succeeded.**

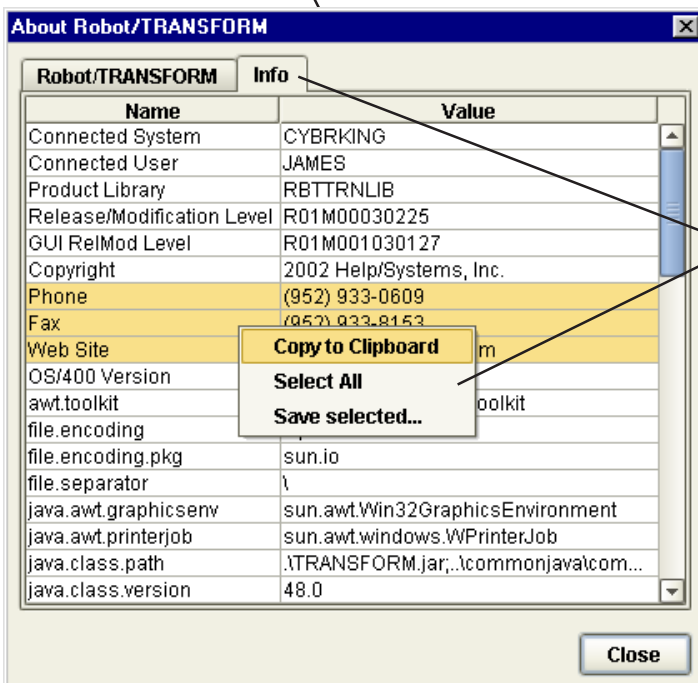
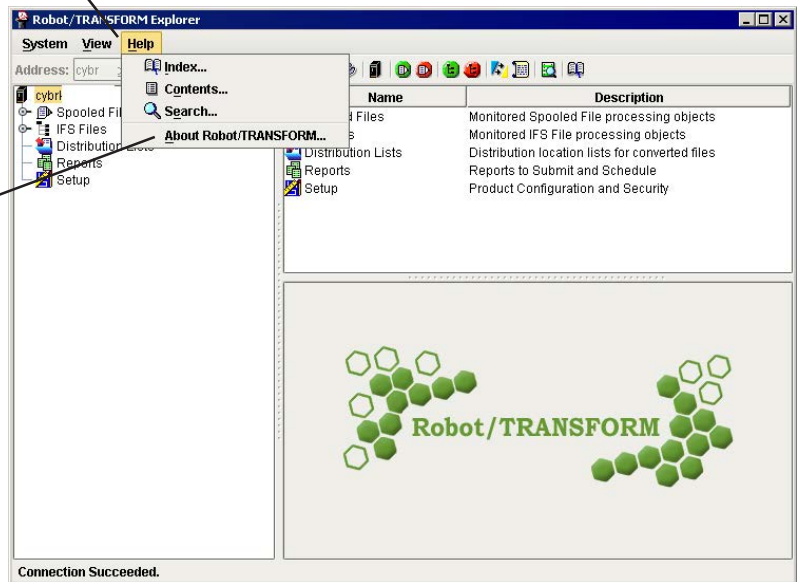
## The Help Menu

Use the Help menu to display the Robot Transform help files. You can view the files by index, contents, and you can search the files for a specific topic. The Help menu also allows you to display the About Robot Transform information.

Use the Help menu to display Robot Transform online help. You can select from the following help options:

- Index** Displays an index of Help topics.
- Contents** Displays the Help table of contents.
- Search** Allows you to search for a specific Help topic.

Select About Robot Transform to display information about Robot Transform.

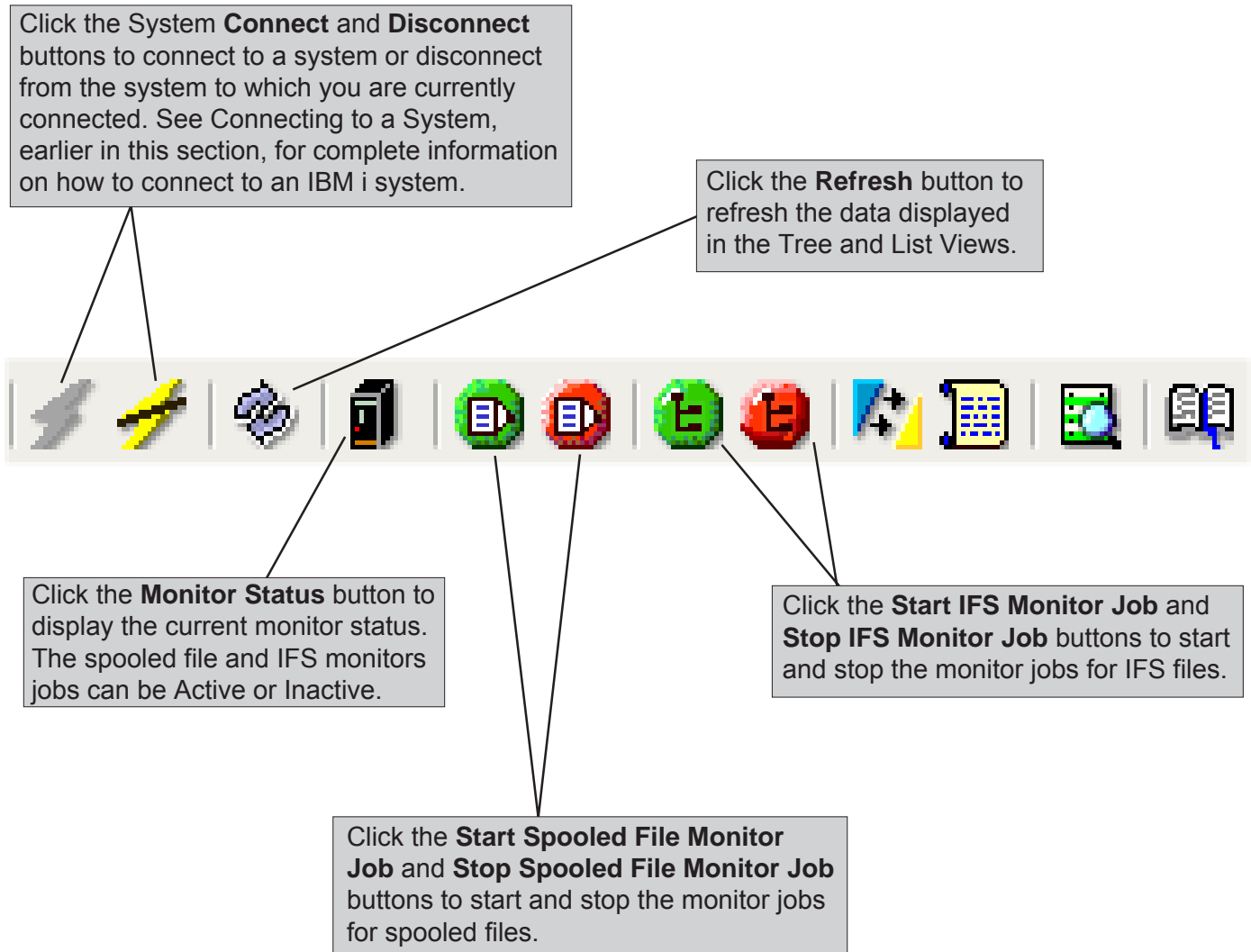


Click the Info tab on the About Robot Transform window to see Robot Transform, IBM i, and PC system information. This information cannot be edited; it is for display only.

You can copy the information shown and paste it into another document for troubleshooting and product support. Click on a line of information (click and drag to select multiple lines) and right-click to display the menu.

## The Robot Transform Explorer Tool Bar

Use the Robot Transform Explorer tool bar to connect to and disconnect from an IBM i system; refresh the information in the List View; display the monitor job status; start and stop spooled file and IFS file monitor jobs; launch the On-Demand Conversion tool and view its history files; view spooled files for the current user; and display online help.



*The Robot Transform Explorer Tool Bar*

Click the **On-Demand** button to convert a file to PDF interactively. See Converting Files On-Demand, later in this User Guide, for complete information on performing on-demand conversions.

Click the **On-Demand History** button to display the On-Demand Conversion History.



Click the **Spooled File Viewer** button to view spooled files for the current user's profile. For more information on using the Spooled File Viewer, see the following page.

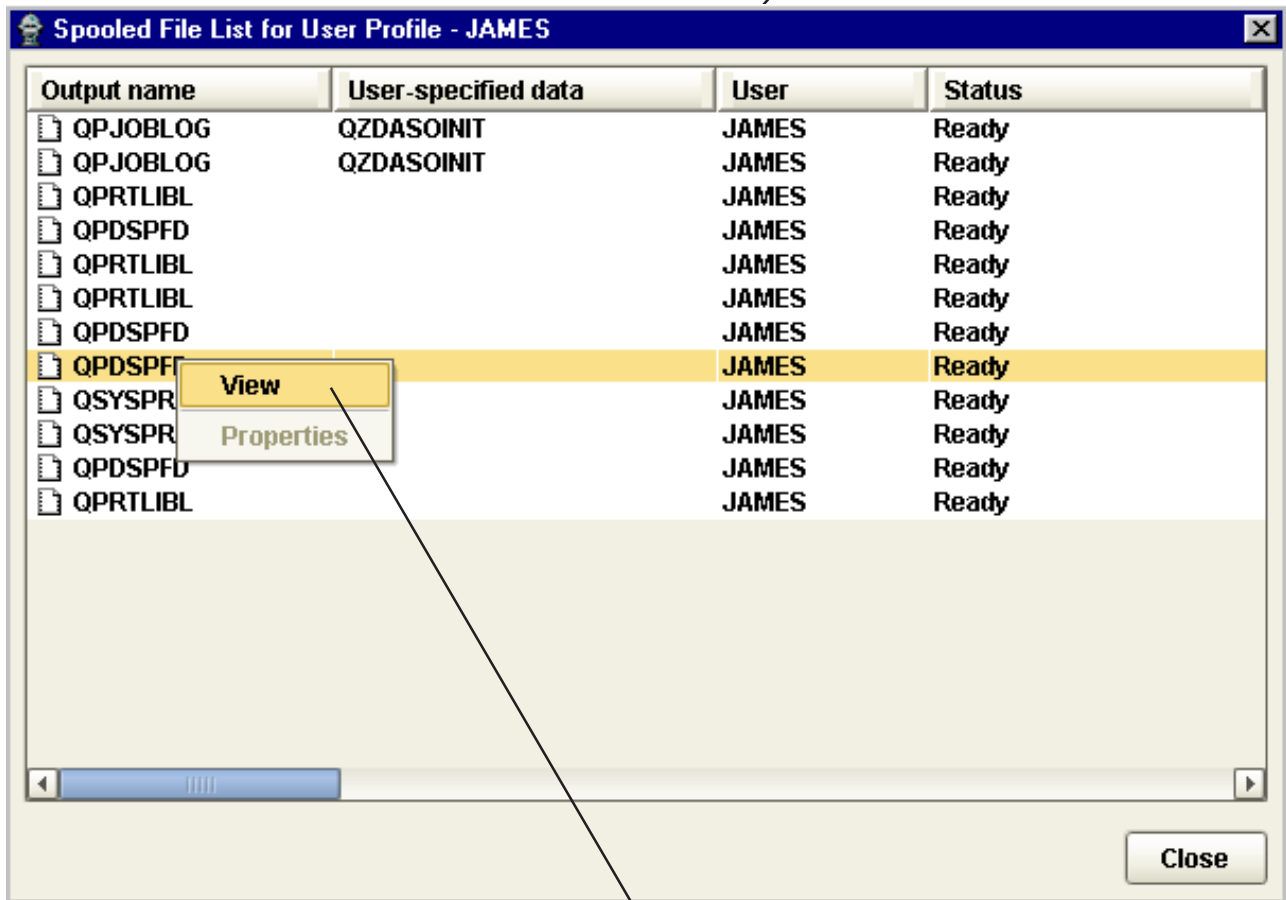
Click the **Online Help** button to display online help for Robot Transform.

## The Spooled File Viewer

Click the Spooled File Viewer button on the tool bar to view the spooled files for the current user's profile.



Click the **Spooled File Viewer** button to display the Spooled File List for User Profile window. This window lists all spooled files for the user ID signed on to Robot Transform.



Right-click on a spooled file and select **View** to display the file you want to see.

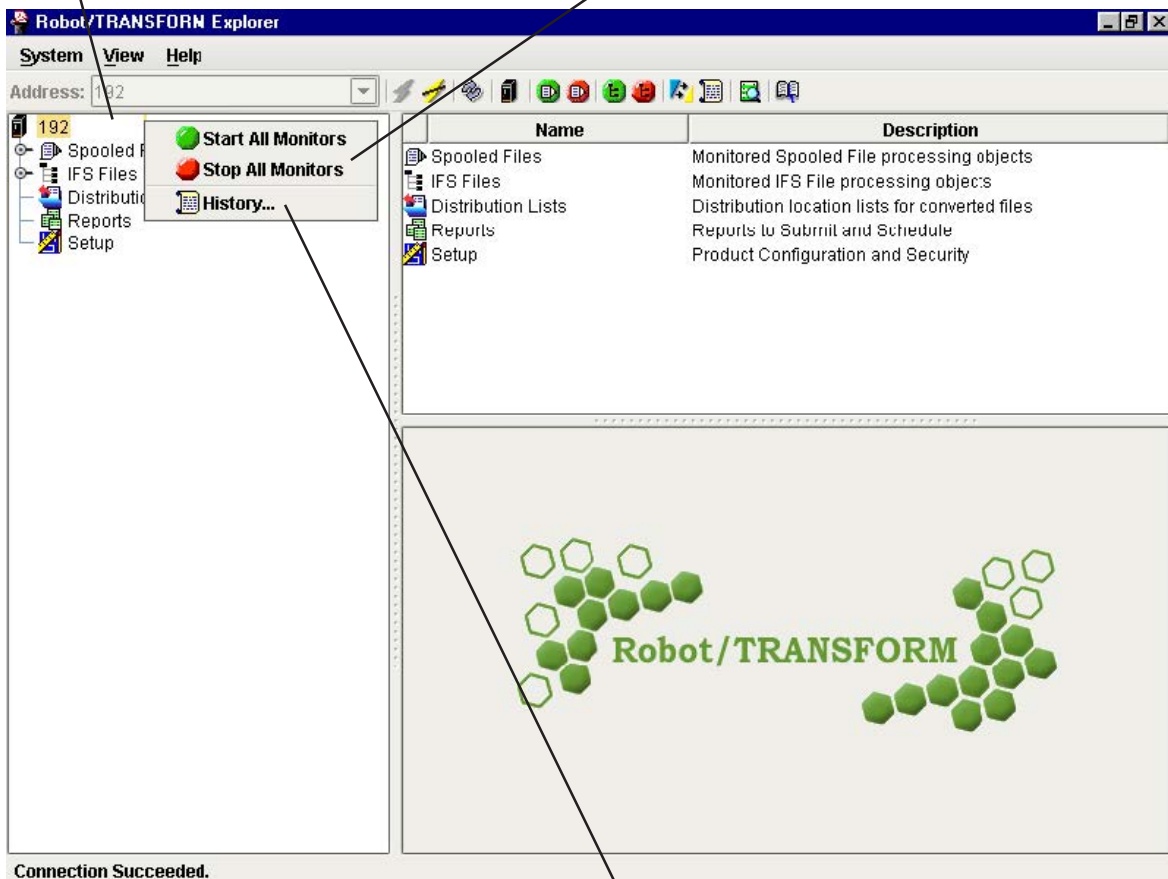
## The Robot Transform Explorer Tree View

When you connect to a system using the Robot Transform Explorer, you can work with all spooled and IFS files on that system. The name or IP address of the system Robot Transform is connected to, and the options for working with files, display in the Tree view.

The System option displays the name or IP address of the system Robot Transform is connected to. What displays depends on what was entered in the Address field when connecting to the system.

Right-click on the System option to display a drop down menu of options.

Select **Start All Monitors** or **Stop All Monitors** to start or stop all Robot Transform monitor jobs for spooled files and IFS files on the system.



Select **History** to display the Run History - All History window. This window displays the run history for all the spooled and IFS files defined in Robot Transform. You can select a file to see detailed conversion history.

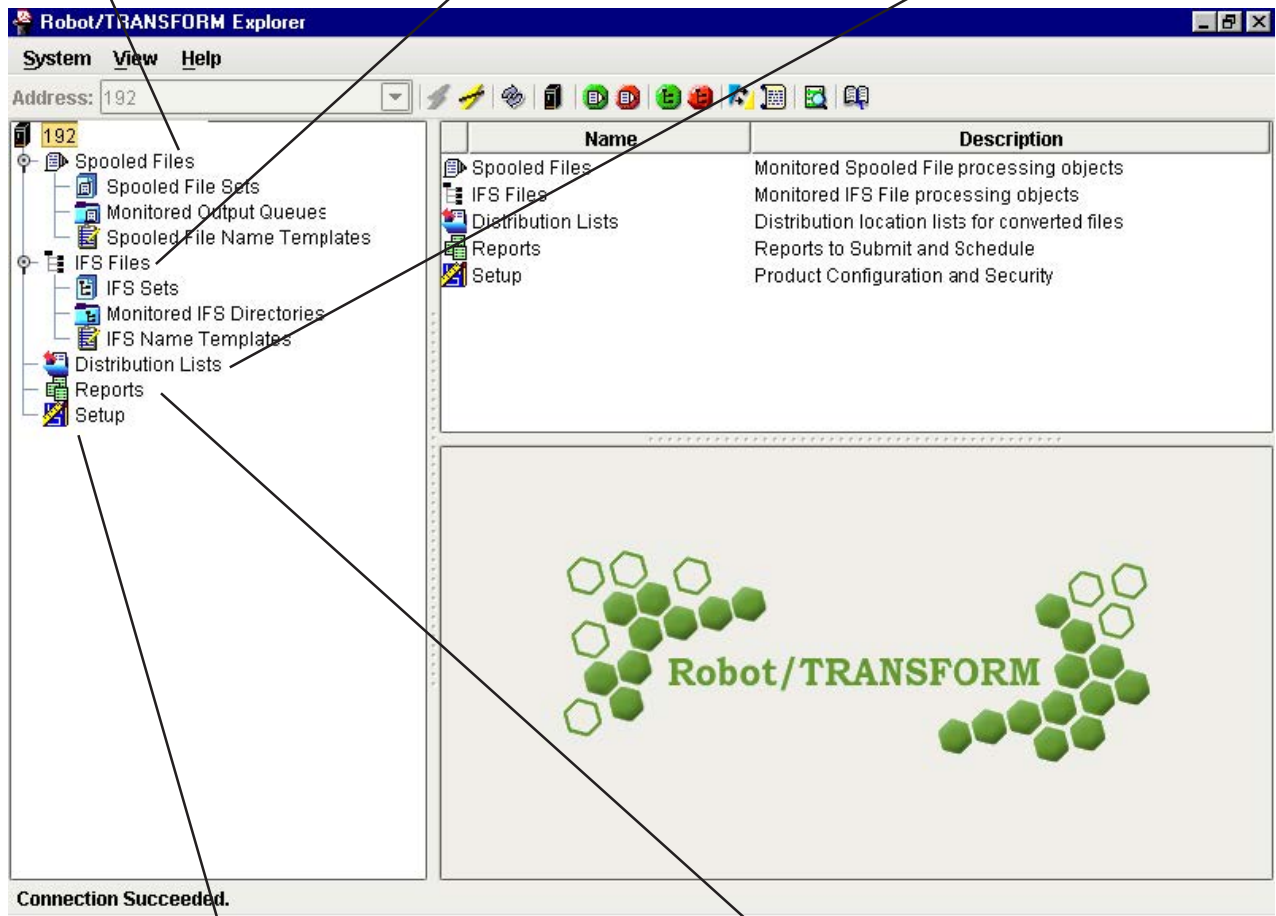
See Viewing Robot Transform Run History, later in this User Guide, for more information.

## The Robot Transform Explorer Tree View

Use the Spooled Files options to define spooled file sets for conversion, specify output queues to monitor, and create name templates for converted spooled files.

Use the IFS Files options to define IFS sets for conversion, specify IFS directories to monitor, and create name templates for converted IFS files.

Use the Distribution Lists option to define distribution locations for your converted files.



Name	Description
Spooled Files	Monitored Spooled File processing objects
IFS Files	Monitored IFS File processing objects
Distribution Lists	Distribution location lists for converted files
Reports	Reports to Submit and Schedule
Setup	Product Configuration and Security

Connection Succeeded.

Use the Setup option to set up Robot/TRANSFORM's configuration options and defaults, and to define security for users.

Use the Reports option to print Robot Transform reports.



# On-Demand Conversion

## Converting Files On-Demand

You can convert files to PDF at any time by using the On-Demand button on the tool bar. This allows you to perform a conversion without setting up spooled file or IFS sets. Click the On-Demand button on the tool bar to display the Convert to PDF On-Demand window. Use this window to specify the file to be converted and the processing options, PDF properties, and page options to be used in the conversion.



Select the type of file to be converted.

Click the **On-Demand** button on the tool bar to display the Convert to PDF On-Demand window.

**Robot/TRANSFORM - Convert to PDF On-Demand**

**Files** Processing Options PDF Properties Page Options

**Input File Type:**  Spooled File  IFS File

**Input File**

**Name:** QSYSRPT1 **Number:** 2 ...

**Job:** 664448/QPGMR/RBHAWKUALL (123456/USER/NAME)

**Output File**

**Name:** /james/printreport/printeruse.pdf ...

Replace file

E-mail PDF file attachment to Robot/ALERT Recipient: ...

Process Cancel

Enter the name and number of the spooled file to be converted. (If you are converting an IFS file, you only need to enter the name of the IFS file). Or, click the Finder button to select a file. The Input File fields are completed automatically.

Enter the job that created the spooled file. Use the format: job number/job user/job name.

## Converting Files On-Demand

Enter a name and location for the converted file using the format: /directory name/file name.pdf. Or, click the Finder button to select from a list of IFS directories.

The output file name defaults to the file name and directory of the input file. If you specify a directory name, but no file name, the PDF name defaults to the input file name.

Robot/TRANSFORM - Convert to PDF On-Demand

Files Processing Options PDF Properties Page Options

Input File Type:  Spooled File  IFS File

Input File

Name: QSYSRINT1 Number: 2 ...

Job: 664448/QPGMR/RBHAWKULL (123456/USER/NAME)

Output File

Name: /james/printreport/printeruse.pdf ...

Replace file

E-mail PDF file attachment to Robot/ALERT Recipient: ...

Process Cancel

Specify if you want to replace an existing file in the location.

If you use Robot Alert, you can specify a Robot Alert recipient to receive the converted PDF file. The file is sent as an attachment via e-mail to the specified user. Click the Finder button to select from a list of Robot Alert recipients.

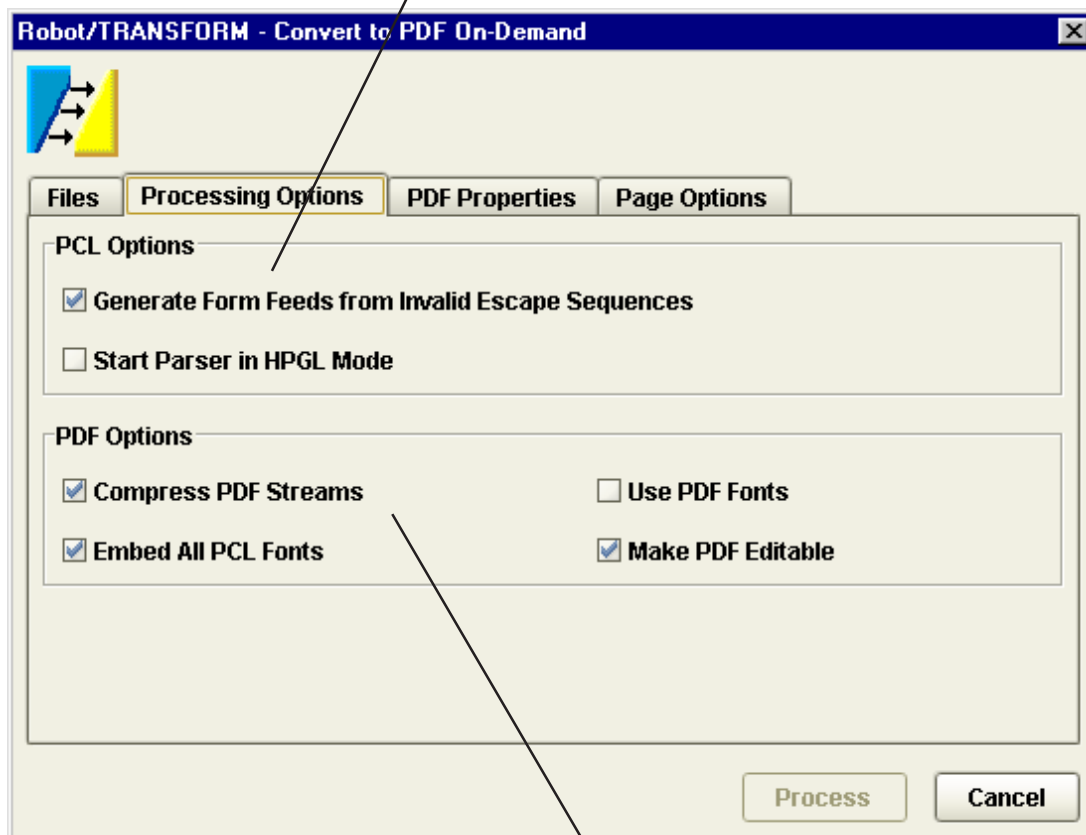
## Converting Files On-Demand

Use the Processing Options tab to specify PCL and PDF options for spooled and IFS file conversions. The conversion defaults specified during system setup display when you select this tab. You can change these defaults for the file you are converting.

Use the PCL Options section to specify the following:

- Generate a form feed when the conversion program encounters an invalid escape sequence in a PCL file. This option is selected by default.
- Start the parser in Hewlett-Packard Graphics Language (HPGL) mode.

If your files contain HPGL only, select this option. If your files contain embedded HPGL, do not select this option.



Use the PDF Options section to specify PDF processing options for the file conversion. You can specify the following options:

**Compress PDF Streams:** Enables standard PDF compression, which produces a smaller file.

**Embed all PCL Fonts:** Includes the font definition in the PDF file. Selecting this option overrides the **Use PDF Fonts** if both options are selected.

**Use PDF Fonts:** Uses the Adobe Acrobat Reader font that is most similar to the font used in the original document. The **Embed All PCL Fonts** option overrides this option if both are selected.

**Make PDF Editable:** Allows the user to edit the converted PDF file.

## ***Converting Files On-Demand***

Use the PDF Properties tab to enter information to help you identify archived PDF files. You can enter up to 50 characters each to create a Title, Subject, Author, and Keywords for the converted file. These properties display when you view the PDF file using Adobe Acrobat.

Enter a Title, Subject, and Author for the converted file. You can enter up to 50 characters in each field.

The screenshot shows a dialog box titled "Robot/TRANSFORM - Convert to PDF On-Demand". It has a blue title bar with a close button (X) on the right. Below the title bar is a logo consisting of a blue square with three white arrows pointing right, and a yellow triangle. The dialog box has four tabs: "Files", "Processing Options", "PDF Properties", and "Page Options". The "PDF Properties" tab is selected and highlighted. Below the tabs are four text input fields labeled "Title:", "Subject:", "Author:", and "Keywords:". At the bottom right of the dialog box are two buttons: "Process" and "Cancel".

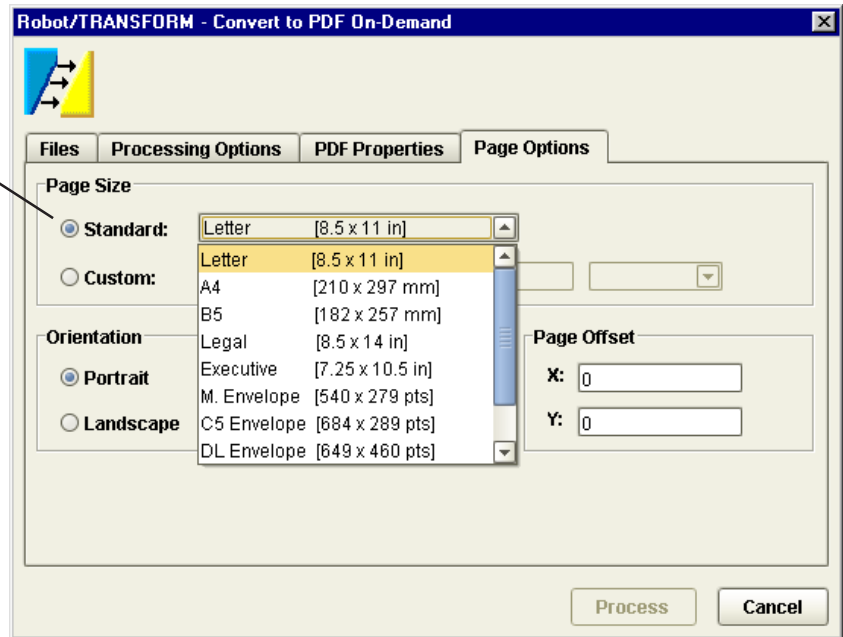
Enter keywords for the file. You can enter up to 50 characters; separate the keywords with a space.

## Converting Files On-Demand

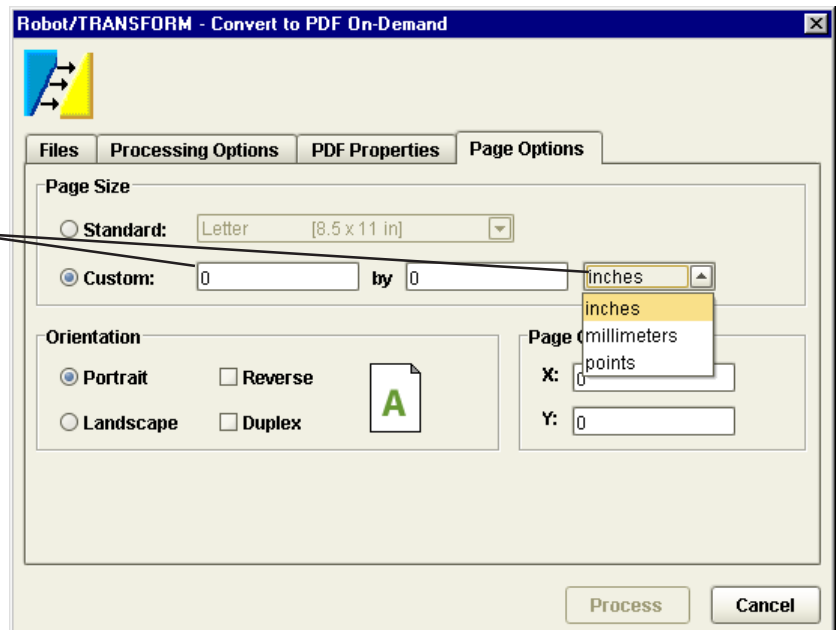
Use the Page Options tab to specify page size and orientation information for the converted PDF. You can select a standard page size or specify a customized page size for the converted file.

The conversion defaults specified during system setup display when you select this tab. You can change these defaults for the file you are converting.

If you select **Standard**, click the down arrow to select a page size for the converted file. Each standard page size has default page width and length values.



If you select **Custom**, click the down arrow to specify a unit of measure and enter page width and length values for the converted file. You can enter values within the following ranges: 1.0 to 45.0 inches; 25.4 to 1143.0 mm; or 72 to 3240 points.



## Converting Files On-Demand

Select a page orientation for the converted file. You can specify either **Portrait** or **Landscape**. The default page orientation is Portrait.

You also can select up to two secondary orientations:

**Reverse** Rotates the page 180 degrees.

**Duplex** Uses the front and back sides of a page.

If you select both Reverse and Duplex, it rotates the page 180 degrees and uses the front and back of a page.

The orientation guide provides a view to how your documents will appear as you select different orientation options.

The screenshot shows the 'Robot/TRANSFORM - Convert to PDF On-Demand' dialog box. The 'Page Options' tab is selected. Under 'Page Size', 'Standard' is selected with 'Letter [8.5 x 11 in]' and 'Custom' is unselected with '0 by 0 inches'. Under 'Orientation', 'Portrait' is selected, and 'Reverse' and 'Duplex' are unselected. A document icon with a green 'A' is shown. Under 'Page Offset', 'X: 0' and 'Y: 0' are entered. The 'Process' and 'Cancel' buttons are at the bottom right.

Use the Page Offset fields to specify the amount the converted document will be offset from the left and top page edges. The unit of measure used for these options is determined by the value you selected in the Standard Page Size or Custom Page Size fields.

**X** Specifies the amount the document is offset to the right of the left page edge. The value you enter must be between 0 and 1/4 of the page width using the current unit of measure.

**Y** Specifies the amount the document is offset down from the top page edge. The value you enter must be between 0 and 1/4 of the page length using the current unit of measure.

**Notes:**



# Spooled File Sets

### ■ Defining Spooled File Sets

You use the Spooled File Sets option in the Tree view to create file sets that define how Robot Transform will convert your spooled files to PDF. When you create the file sets, you specify selection criteria, output options, processing options, PDF properties, and PDF options for converting your spooled files. The file sets specify which files you want Robot Transform to convert to PDF and how you want them converted.

### ■ Name Templates

Robot Transform uses name templates to generate unique and identifiable names for your converted PDFs. Name templates allow you to create file names for your PDFs that your users will recognize and understand. You can specify a name template to use when you define your spooled file set.

To create name templates, you use the Spooled File Name Templates option. You can select different file name attributes on the Name Template Properties window to see what the generated file name will look like.

### ■ Distribution Lists

Distribution lists allow you to place a converted PDF file in multiple directories at once. You can specify a distribution list to use when you define your spooled file set. See Distribution Lists, later in this User Guide, for more information.

### ■ Spooled File Monitor Job

Robot Transform includes a spooled file monitor job that runs in the RBTSLEEPER subsystem to monitor output queues. The output queue monitor job is TRNQWATCH. You can start and stop this monitor job from the Tree view or from the tool bar. You also can start and stop the monitor job using commands. See IBM i Commands, later in this User Guide, for more information.

When you stop the spooled file monitor job, spooled files sent to the monitored output queues are not be processed until the monitor job is restarted.

You can specify the output queues you want Robot Transform to monitor for spooled files to convert to PDF. Use the Monitored Output Queues option to set up monitored output queues.

## Starting and Stopping the Spooled File Monitor

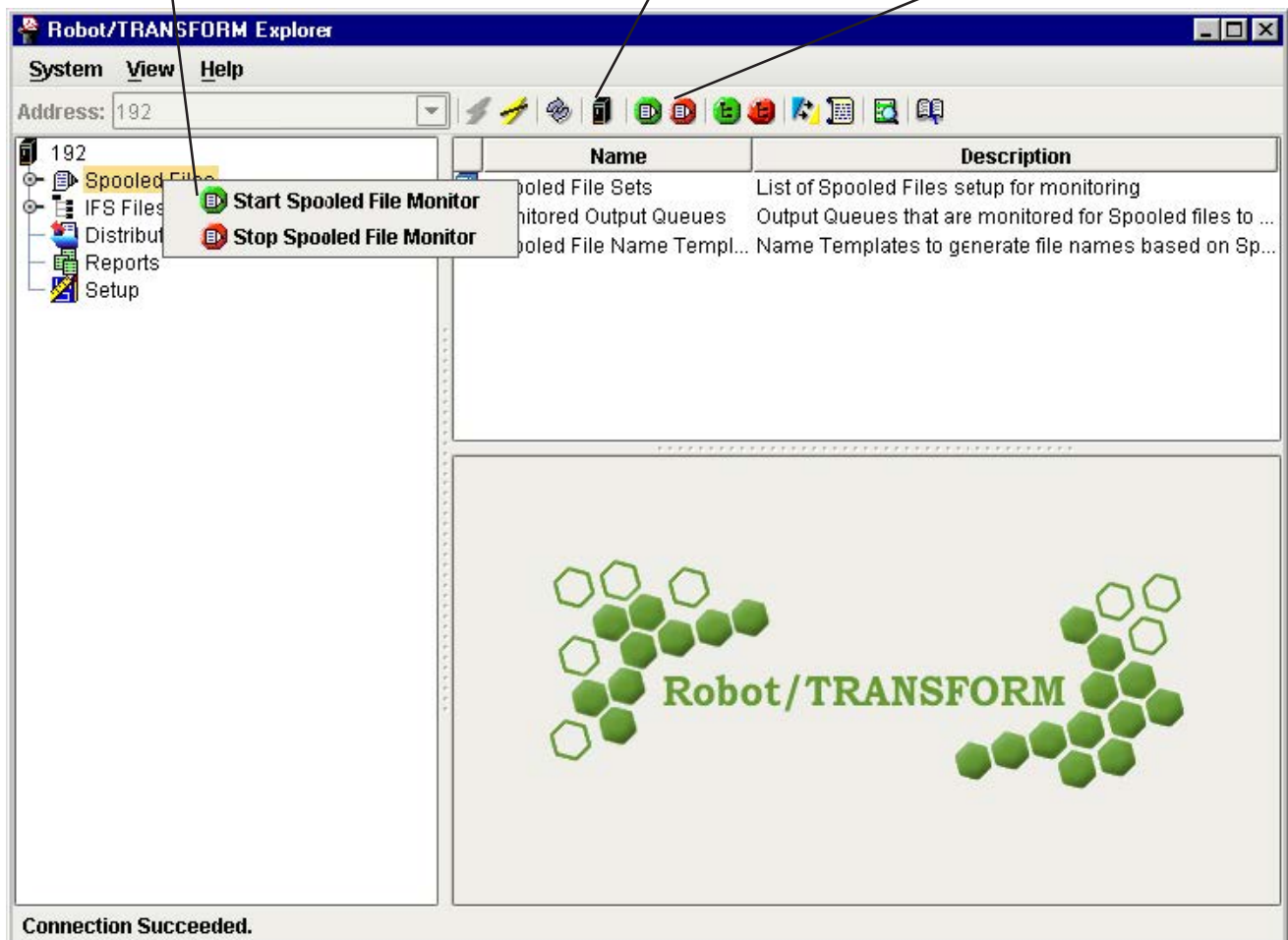
Use the Spooled Files option to start and stop the spooled file monitor job. Spooled files are not converted to PDF by Robot Transform when the spooled file monitor job is stopped. When you start the spooled file monitor job, all new spooled files from your file sets that are sent to your monitored output queues are converted. The spooled files that were sent to monitored output queues while the monitor job was stopped also are converted.

You can hold and release individual spooled file sets without stopping the monitor job. See *Holding and Releasing Spooled File Sets*, later in this User Guide, for more information. In the Tree view, right-click on **Spooled Files** and specify whether you want to start or stop the spooled file monitor job.

Right-click on **Spooled Files** and select **Start Spooled File Monitor** or **Stop Spooled File Monitor**.

Click the **Monitor Status** button to display the current status of the spooled file monitor.

You also can use the tool bar buttons to start and stop the spooled file monitor job.



## Defining a Spooled File Set

Use the Spooled File Sets option to define and edit spooled file sets, print the Spooled File Sets report, and view run history. To define a new spooled file set, right-click on **Spooled File Sets** in the Tree view and select **New**. If you want to modify an existing spooled file set, right-click on a file in the List view and select **Properties**. The Edit Spooled File Set window displays allowing you to specify conversion options for the file set.

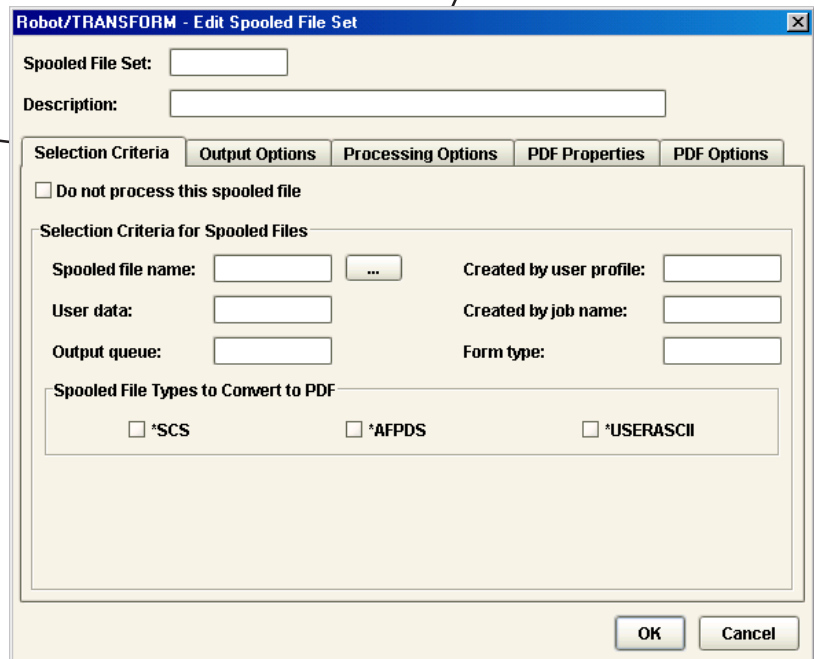
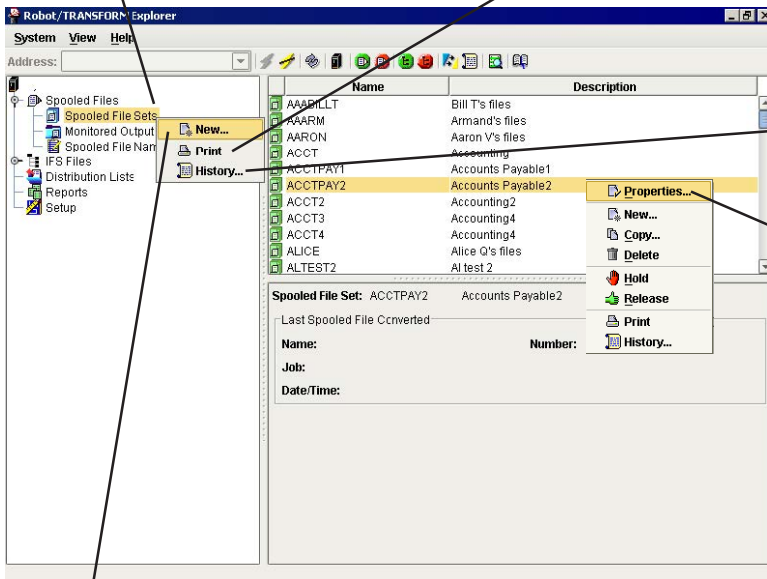
Right-click on **Spooled File Sets** to display the spooled file sets options.

Select **Print** to print the Spooled File Sets report. See the Reports section, later in this User Guide, for more information on printing Robot Transform reports.

Select **History** to display and print run history. See Conversion History, later in this User Guide, for more information on Robot Transform history.

Spooled file sets already defined in Robot Transform display in the List view. Right-click on a spooled file and select **Properties** to edit it.

Select **New** to display the Edit Spooled File Set window to define a new file set.



## Specifying Selection Criteria

There are some instances when different reports have the same spooled file information. You can enter more specific selection criteria to ensure that Robot Transform converts the files you want converted. The more specific selection criteria information you enter, the easier it is for Robot Transform to identify your files.

The Created by user profile, User data, and Created by job name fields allow you to enter generic values to further identify a file. An asterisk (\*) entered at the beginning or end of the value is treated a generic value. An asterisk within a value, for example A\*B, is not treated as a generic value and must appear as part of the file name.

Enter a name and description for the spooled file set.

You can specify if you want to temporarily stop the file from being converted by this file set. However, the spooled file may be converted by other spooled file sets if it matches their selection criteria.

Enter the name of the spooled file to be converted. This field is required. You can enter a specific value; a generic value at the end of the name, for example, NAME\*; or \*ALL. You also can click the Finder button to select a spooled file. The Selection Criteria fields are completed automatically.

Enter the user profile that created the spooled file. This field is optional.

## Specifying Selection Criteria

Enter user data for the spooled file. This field is optional.

Enter the output queue for the spooled file. Generic values are not allowed. This field is optional.

Enter the name of the job that created the spooled file. This field is optional.

Robot/TRANSFORM - Edit Spooled File Set

Spooled File Set: Tom

Description: Tom's Spooled Files Set

Selection Criteria | Output Options | Processing Options | PDF Properties | PDF Options

Do not process this spooled file

Selection Criteria for Spooled Files

Spooled file name: qprint ...

User data: daily

Output queue: tomsg

Created by user profile: tom

Created by job name: tomjob1

Form type:

Spooled File Types to Convert to PDF

\*SCS     \*AFPDS     \*USERASCII

OK    Cancel

Select the files type(s) that you want to convert to PDF. You must select at least one option.

- \*SCS: SNA character stream
- \*AFPDS: Advanced Function Printing Data Streams
- \*USERASCII: ASCII data stream

Enter a form type for the spooled file. Generic values are not allowed. This field is optional.

## Specifying Output Options

You can use the Output Options tab to specify a name template to use for the spooled file and to set the file distribution options. Name templates are optional. You must select to distribute the converted file to either an IFS directory, a distribution list, or both.

Enter a name template to use to create a custom file name for the converted file. This field is optional. If you don't select a name template, the converted file's name defaults to the input spooled file name with a .pdf extension. Click the Finder button to select from a list of name templates.

You create name templates by selecting variables that Robot Transform uses to generate unique and identifiable file names for your PDF files. See Spooled File Name Templates, later in this guide, for more information.

The screenshot shows the 'Robot/TRANSFORM - Edit Spooled File Set' dialog box. The 'Spooled File Set' is 'Tom' and the 'Description' is 'Tom's Spooled Files Set'. The 'Output Options' tab is selected. The 'Name Template' field is empty. Under the 'Distribution' section, 'IFS Directory' and 'Distribution List' are checked. The 'IFS Directory' field is empty, and the 'Distribution List' field is empty. There are 'OK' and 'Cancel' buttons at the bottom right.

You must at least one distribution option. You can select to distribute the converted file to both an IFS directory and a distribution list.

Enter an IFS directory for the converted file. You can enter up to 257 characters. The directory must begin and end with a forward slash (/), for example: /mydirectory/. Click the Finder button to select from a list of directories.

## Specifying Output Options

Specify if you want to replace an existing file in the location.

If you use Robot Alert, specify if you want Robot Alert to e-mail the PDF as an attachment to a specified user or broadcast list. Click the Finder button to select from a list of Robot Alert recipients.

**Robot/TRANSFORM - Edit Spooled File Set**

Spooled File Set: Tom

Description: Tom's Spooled Files Set

Selection Criteria | **Output Options** | Processing Options | PDF Properties | PDF Options

Name Template: [ ] [ ... ]

Distribution

IFS Directory: [ ] [ ... ]

Replace file

E-mail PDF file attachment to Robot/ALERT Recipient: [ ] [ ... ]

**Distribution List:** [ ] [ ... ]

OK Cancel

Enter the name of the distribution list where you want the file distributed. Click the Finder button to select from a list of distribution lists. See Distribution Lists, later in this User Guide, for more information.



## Specifying Processing Options

Use the Processing Options tab to set the PCL and post-conversion notification options.

Specify if you want to delete the original spooled file after a successful conversion.

Specify if the conversion program should generate a form feed when it encounters an invalid escape sequence in a PCL file. This option is set during the system setup; however, you can change it for the file set you are defining. See Setting Conversion Defaults, later in this User Guide, for more information.

**Robot/TRANSFORM - Edit Spooled File Set**

Spooled File Set: Tom

Description: Tom's Spooled Files Set

Selection Criteria   Output Options   **Processing Options**   PDF Properties   PDF Options

Delete original file after conversion

PCL Options

Generate formfeed from invalid Escape sequence

Start Parser in HPGL mode

Post-Conversion Notification

Send Robot/ALERT message after completion [ ] [ ... ]

Always    After Failure    After Success

Initiate Robot/SCHEDULE reactive jobs after completion

Send message to Message Queue after failure [ ] [ ... ]

OK   Cancel

Specify whether to start the parser in Hewlett-Packard Graphics Language (HPGL) mode.

If your files contain HPGL only, select this option.

If your files contain embedded HPGL, do not select this option.

## Specifying Processing Options

Specify if you want Robot Alert to send a message to a user or broadcast list when the file conversion is complete. Click the Finder button to select from a list of Robot Alert recipients.

You can specify if Robot Alert should always send a message, send a message only after failed conversions, or only after successful conversions.

The screenshot shows the 'Robot/TRANSFORM - Edit Spooled File Set' dialog box. The 'Spooled File Set' field contains 'Tom' and the 'Description' field contains 'Tom's Spooled Files Set'. The 'Processing Options' tab is selected, showing the following options:

- Delete original file after conversion
- PCL Options
  - Generate formfeed from invalid Escape sequence
  - Start Parser in HPGL mode
- Post-Conversion Notification
  - Send Robot/ALERT message after completion [ ] [ ... ]
    - Always
    - After Failure
    - After Success
  - Initiate Robot/SCHEDULE reactive jobs after completion
  - Send message to Message Queue after failure [ ] [ ... ]

Buttons for 'OK' and 'Cancel' are at the bottom right.

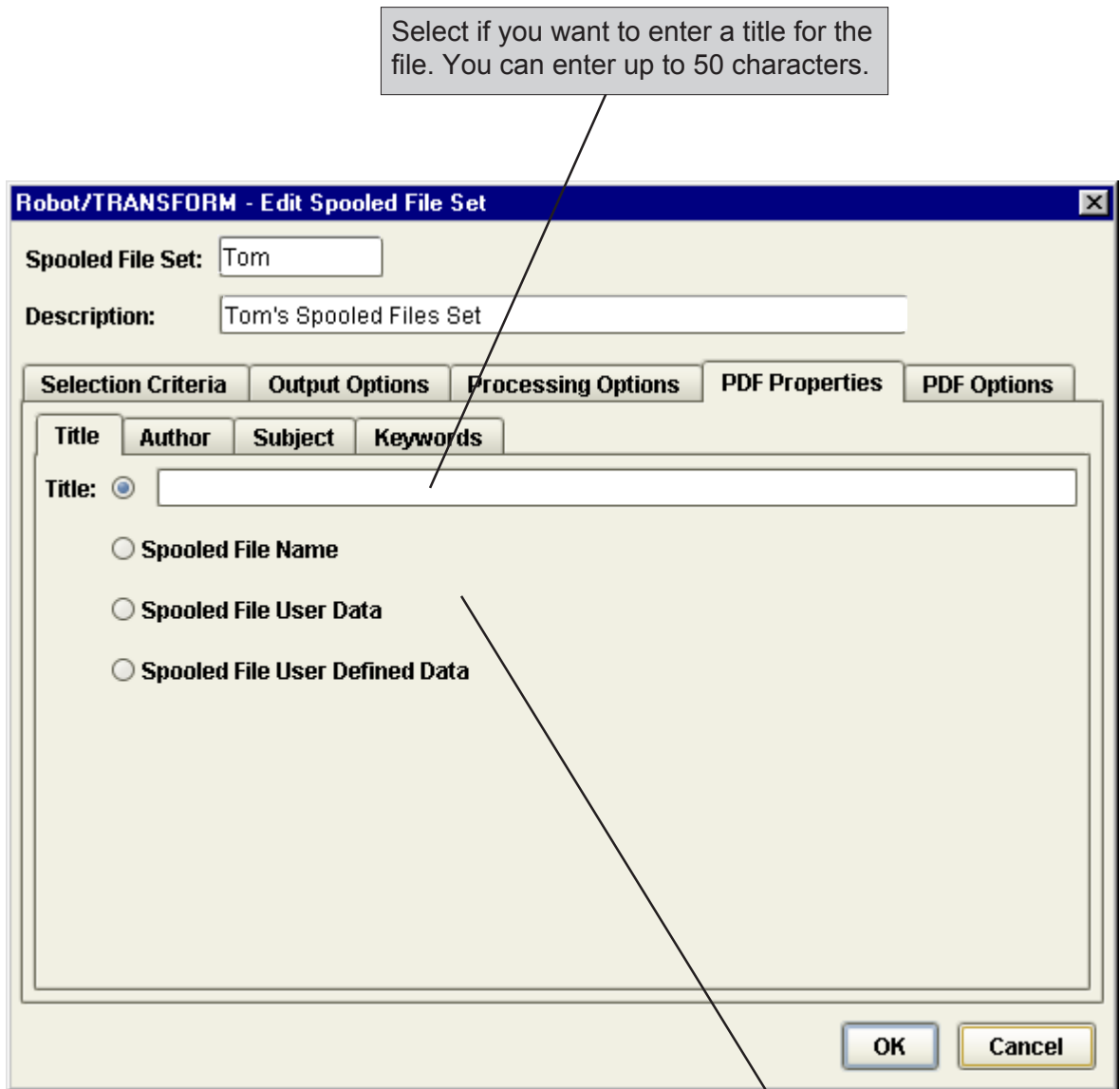
You can start a Robot Schedule job after the conversion is complete. Robot Transform submits the SDRBTDTA command using the spooled file set name as the prerequisite user job name. If the conversion ended normally or with a warning, it sends a completion status C; if the conversion ended with a severe error, a status T is sent. For more information on setting up the job, see the Robot Schedule User Guide.

Specify if Robot Transform should send a failure notification to a message queue. The notification displays the failed spooled file set name. Click the Finder button to select from a list of message queues.

## Specifying PDF Properties—Title

You can use the Title, Author, Subject, and Keywords tabs on the PDF Properties tab to specify PDF information that users can display when viewing the PDF using Adobe Acrobat.

Select if you want to enter a title for the file. You can enter up to 50 characters.



Robot/TRANSFORM - Edit Spooled File Set

Spooled File Set: Tom

Description: Tom's Spooled Files Set

Selection Criteria Output Options Processing Options PDF Properties PDF Options

Title Author Subject Keywords

Title:

Spooled File Name

Spooled File User Data

Spooled File User Defined Data

OK Cancel

Select one of the remaining options if you want the file's title to be generated using that option. For example, if you select Spooled File Name, the title of the file will default to the spooled file's name.

### Specifying PDF Properties—Author

Use the Author tab to enter or select an author identification option for the PDF file.

Select if you want to enter an author's name for the file. You can enter up to 50 characters.

The screenshot shows a dialog box titled "Robot/TRANSFORM - Edit Spooled File Set". At the top, there are two text fields: "Spooled File Set:" with the value "Tom" and "Description:" with the value "Tom's Spooled Files Set". Below these are five tabs: "Selection Criteria", "Output Options", "Processing Options", "PDF Properties", and "PDF Options". The "PDF Properties" tab is active, and within it, the "Author" sub-tab is selected. The "Author:" label is followed by a radio button that is currently selected, and an empty text input field. Below this are three radio button options: "Spooled File Job User Profile", "Spooled File Owner User Profile", and "Spooled File User Defined Text". At the bottom right of the dialog are "OK" and "Cancel" buttons.

Select an option if you want author name to be generated using that option. For example, if you select Spooled File Job User Profile, the author of the file will default to the user profile of the job that generated the spooled file on IBM i.

## Specifying PDF Properties—Subject

Use the Subject tab to enter or select a subject identification option for the PDF file.

Select if you want to enter a subject for the file. You can enter up to 50 characters.

The screenshot shows a dialog box titled "Robot/TRANSFORM - Edit Spooled File Set". At the top, there are two text fields: "Spooled File Set:" with the value "Tom" and "Description:" with the value "Tom's Spooled Files Set". Below these are five tabs: "Selection Criteria", "Output Options", "Processing Options", "PDF Properties", and "PDF Options". The "PDF Properties" tab is active, and within it, the "Subject" sub-tab is selected. The "Subject:" label is followed by a radio button that is selected, and an empty text input field. Below this are three radio button options: "Spooled File Name", "Spooled File User Data", and "Spooled File User Defined Data". The "Spooled File Name" option is selected. At the bottom right of the dialog are "OK" and "Cancel" buttons.

Select one of the remaining options if you want the subject name to be generated using that option. For example, if you select Spooled File Name, the subject of the file will default to the spooled file's name.

### Specifying PDF Properties—Keywords

Use the Keywords tab to enter or select keyword identification options for the PDF file.

Select if you want to enter keywords for the file. You can enter up to 50 characters; separate individual keywords with spaces. You also can select one or more of the default keyword generation options below.

The screenshot shows a dialog box titled "Robot/TRANSFORM - Edit Spooled File Set". At the top, there are two text fields: "Spooled File Set:" with the value "Tom" and "Description:" with the value "Tom's Spooled Files Set". Below these are five tabs: "Selection Criteria", "Output Options", "Processing Options", "PDF Properties", and "PDF Options". The "PDF Properties" tab is active, and within it, the "Keywords" sub-tab is selected. Under the "Keywords" sub-tab, there is a "Keywords:" label followed by a checked checkbox and an empty text input field. Below this is a list of seven options, each with an unchecked checkbox:

- Spooled File Name
- Spooled File User Data
- Spooled File Job Name
- Spooled File Form Type
- Spooled File User Defined Options
- Spooled File User Defined Text
- Spooled File User Defined Data

At the bottom right of the dialog box are "OK" and "Cancel" buttons.

Click the options you want to use to generate keywords for the file.

### Specifying PDF Options

Use the PDF Options tab to specify PDF options, select page size, orientation, and page offset. The conversion defaults specified in the System Setup display when you select this tab. You can change these values for the file set you are defining.

Select **Compress PDF Streams** to enable standard PDF compression, which produces a smaller file.

Select **Use PDF Fonts** to use the Adobe Acrobat Reader font most similar to the font used in the original document. The **Embed All PCL Fonts** option overrides this option if both are selected.

Select **Embed All PCL Fonts** to include the font definition in the PDF document. This option overrides **Use PDF Fonts** if both options are selected.

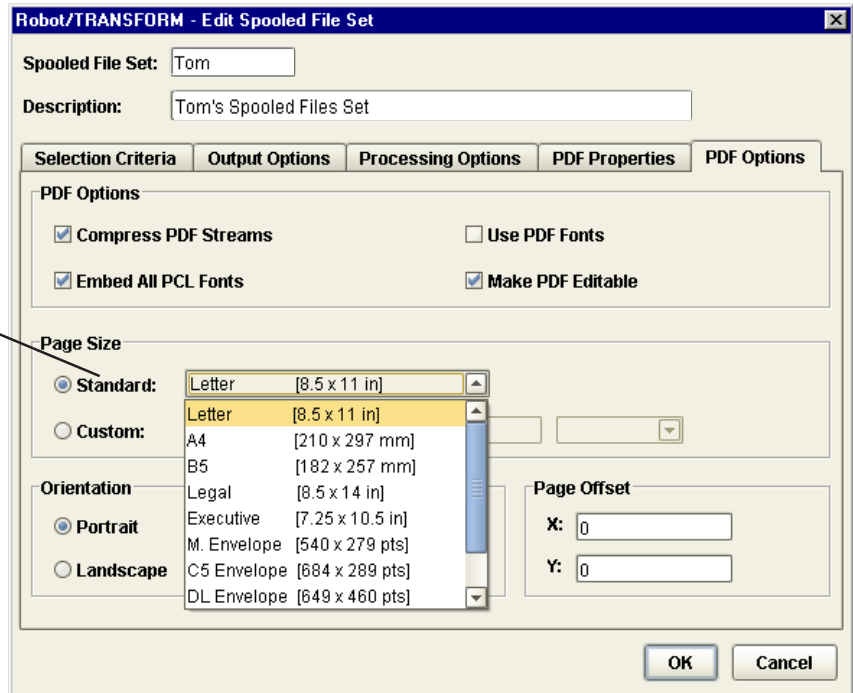
Select **Make PDF Editable** to allow users to edit the converted PDF file.

# Spooled File Sets

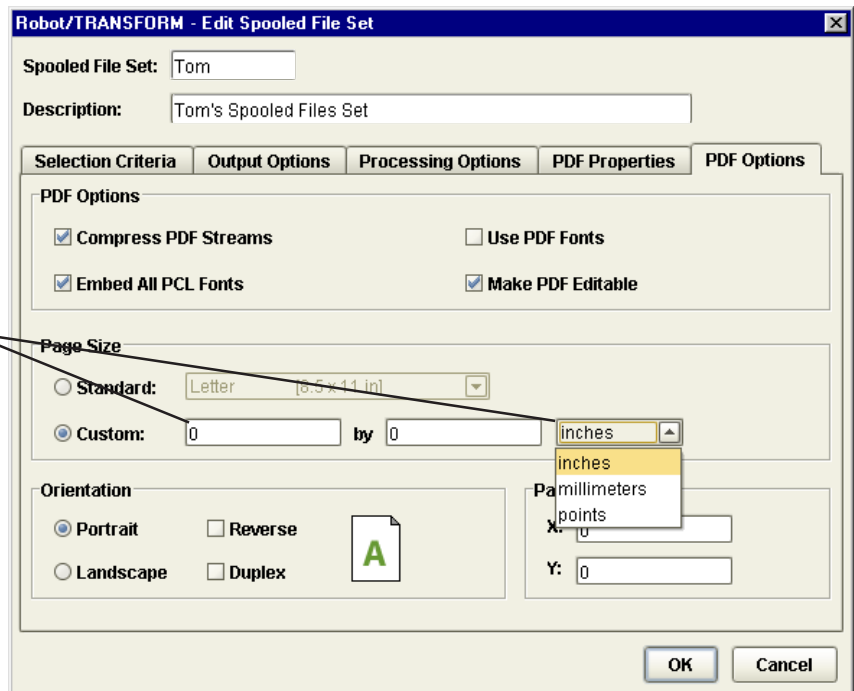
## Specifying PDF Options

You can select either a standard page size for your converted files or specify a custom page size. The defaults specified during system setup display on this tab. You can change these defaults for the file set you are defining.

If you select **Standard**, click the down arrow to select a page size to for the file conversion. Each standard page size has default page width and length values.



If you select **Custom**, click the down arrow to specify a unit of measure and enter page width and length values for the converted file. You can enter values within the following ranges: 1.0 to 45.0 inches; 25.4 to 1143.0 mm; or 72 to 3240 points.





## Specifying PDF Options

Select a page orientation for the converted file. You can specify either **Portrait** or **Landscape**.

You also can select up to two secondary orientations:

**Reverse** Rotates the page 180 degrees.

**Duplex** Uses the front and back sides of a page.

If you select both Reverse and Duplex, it rotates the page 180 degrees and uses the front and back of a page.

The orientation guide provides a view to how your documents will appear as you select different orientation options.

**Robot/TRANSFORM - Edit Spooled File Set**

Spooled File Set: Tom

Description: Tom's Spooled Files Set

**PDF Options**

Compress PDF Streams  Use PDF Fonts

Embed All PCL Fonts  Make PDF Editable

**Page Size**

Standard: Letter [8.5 x 11 in]

Custom: 0 by 0

**Orientation**

Portrait  Reverse

Landscape  Duplex

**Page Offset**

X: 0

Y: 0

OK Cancel

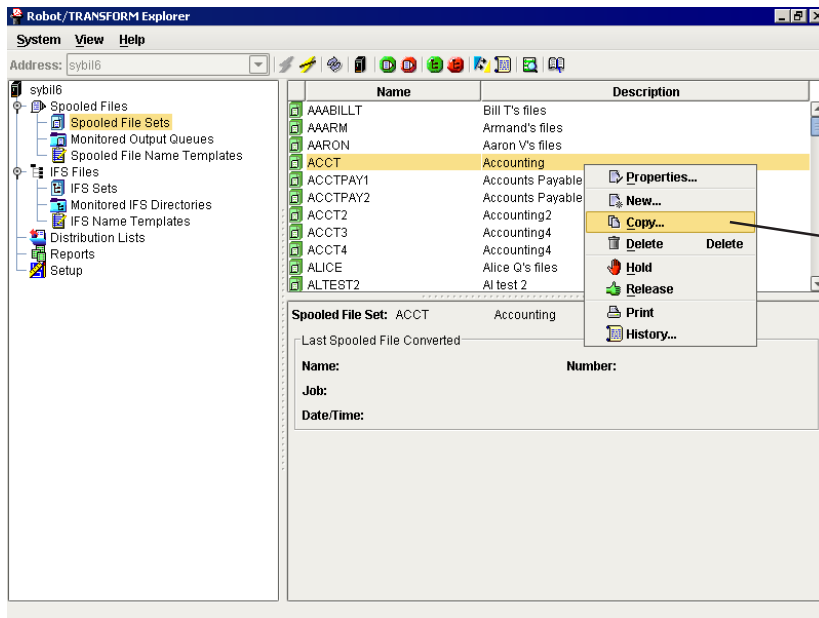
Use the Page Offset fields to specify the amount the converted document will be offset from the left and top page edges. The unit of measure used for these options is determined by the value you selected in the Standard Page Size or Custom Page Size fields.

- X** Specifies the amount the document is offset to the right of the left page edge. The value you enter must be between 0 and 1/4 of the page width using the current unit of measure.
- Y** Specifies the amount the document is offset down from the top page edge. The value you enter must be between 0 and 1/4 of the page length using the current unit of measure.

## Copying a Spooled File Set

You can copy an existing spooled file set to create a new file set that shares similar properties. Conversion history is not copied when you copy a file set.

In the List view, right-click on the spooled file set you want to duplicate and select **Copy**. The Edit Spooled File window displays. Enter a new name for the file set and make other desired changes to the file settings for the new file.

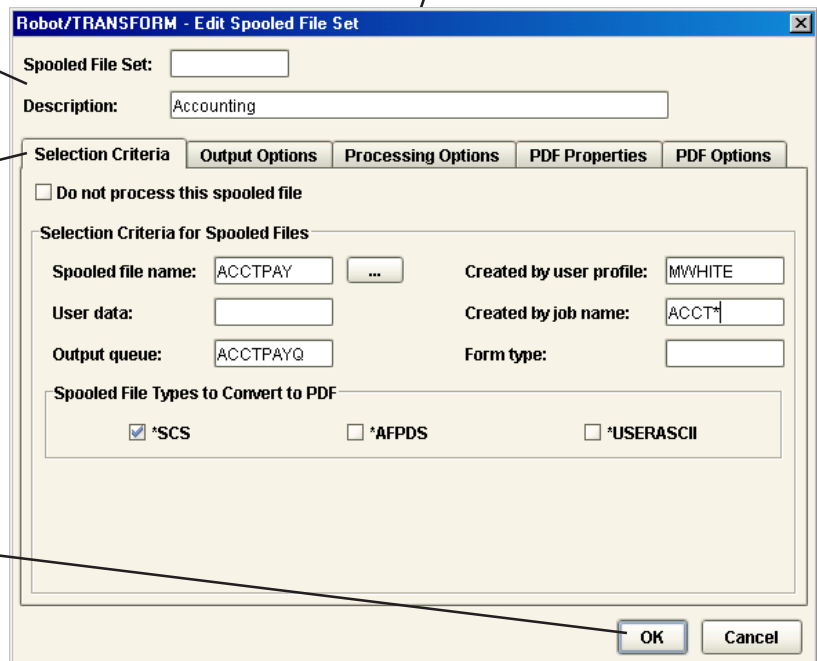


Right-click on the spooled file set you want to copy and select **Copy**. Use the Edit Spooled File Set window to enter the conversion information for the new file set.

Enter a name and description for the new spooled file set.

Modify the values for the new file set on the file option tabs.

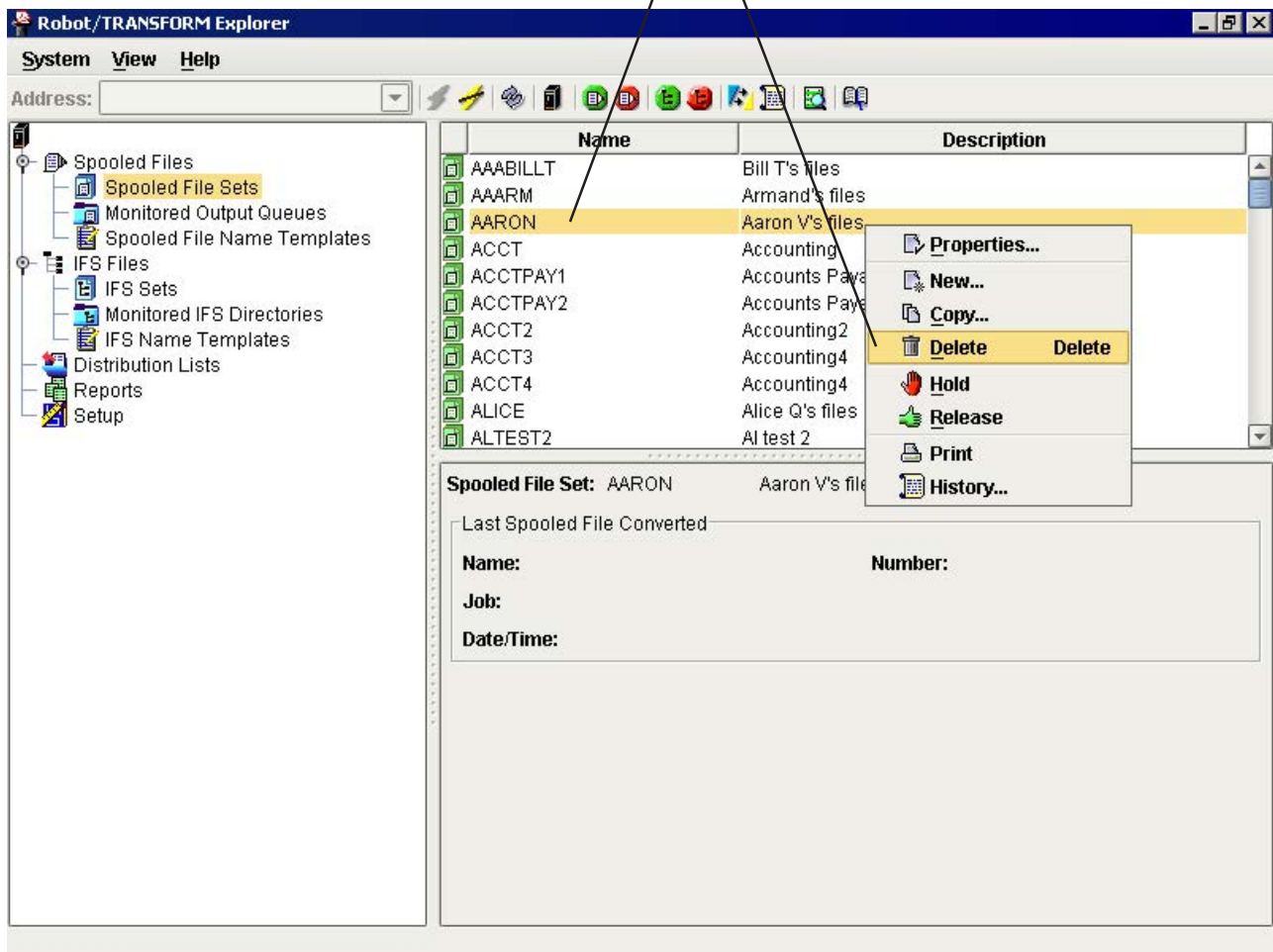
Click **OK** to save the new spooled file set.



## Deleting a Spooled File Set

If you no longer want Robot Transform to use an existing file set, you can delete it. If you delete a file set, the conversion history for the file set is not deleted and can be viewed until the purge job runs. You need Change authority to delete a spooled file set. To delete a file set, right-click on the spooled file set in the List view and select **Delete**.

Right-click on a spooled file set and select **Delete**.

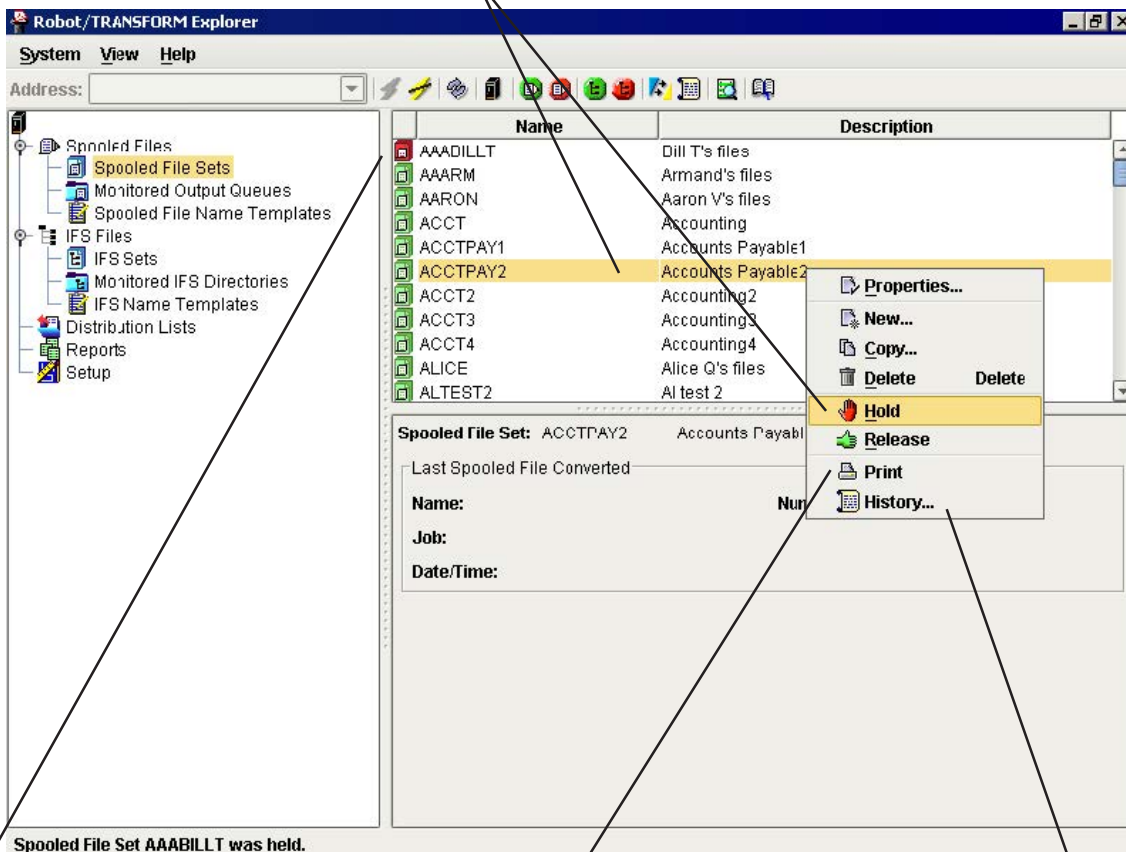


## Holding and Releasing Spooled File Sets

You can place a spooled file set on hold to prevent its spooled files from being converted by Robot Transform. When a file set is on hold, the icon next to the set displays in red and its files are not converted. When you release a held file set, the icon next to the set displays in green and all new spooled files are converted. The spooled files that were sent to monitored output queues while the file set was held are not converted.

To hold or release a spooled file set, right-click on the file in the List view and select **Hold** or **Release**.

Right-click on a file set and select **Hold** to prevent the files from being converted to PDF. Select **Release** to release the hold.



A red icon indicates that a file set is being held. The Status Bar also indicates the file set is on hold.

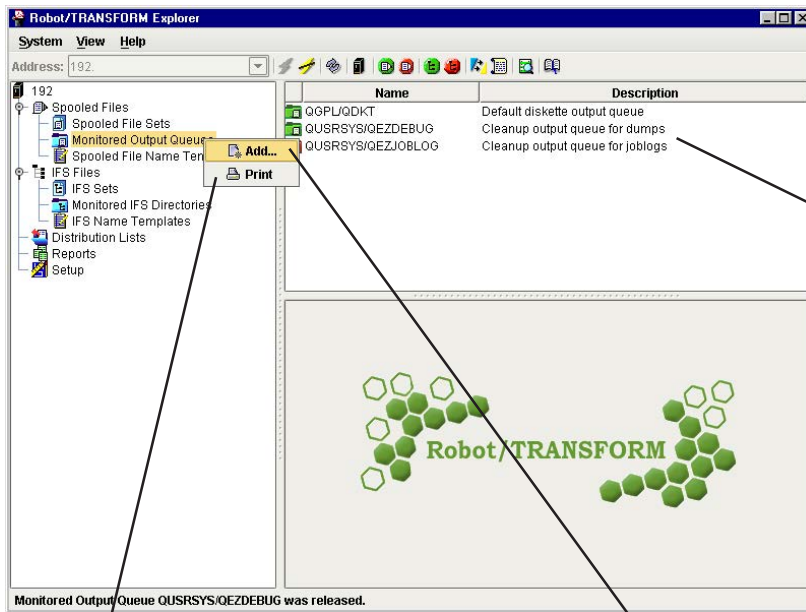
Select **History** to display and print the run history for the file set. See Conversion History, later in this User Guide, for more information on Robot Transform history.

Select **Print** to print the Spooled File Sets report for the selected file set. See the Reports section, later in this User Guide, for more information on printing Robot Transform reports.

## Defining Monitored Output Queues

Use the Monitored Output Queues option to define and edit the output queues you want Robot Transform to monitor for spooled files. You can hold and release output queues. When an output queue is in Held status, Robot Transform does not convert its spooled files. When you release an output queue, all new files sent to it are converted.

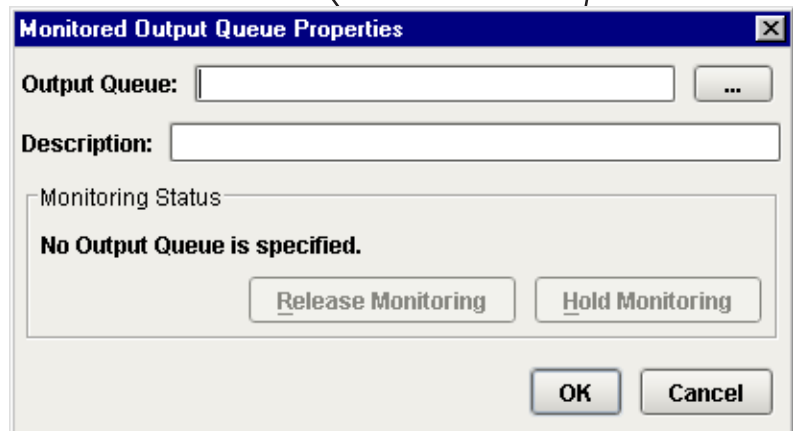
In the Tree view, right-click on **Monitored Output Queues** and select **Add** to define a new output queue to monitor. In the List view, right-click on an output queue and select **Properties** to edit it. The Monitored Output Queue Properties dialog box displays.



Output queues already defined in Robot Transform display in the List view. Right-click on a output queue and select **Properties** to edit it.

Select **Print** to print the Monitored Output Queues report. See the Reports section, later in this User Guide, for more information on printing Robot Transform reports.

Right-click on **Monitored Output Queues** and select **Add** to display the Monitored Output Queue Properties dialog box.



## Defining Monitored Output Queues

Enter an output queue using the format library/outq. Click the Finder button to select from a list of output queues.

Enter a description for the output queue.

**Monitored Output Queue Properties**

Output Queue:  ...

Description:

Monitoring Status

No Output Queue is specified.

Until you enter an output queue, the Monitoring Status does not display.

Click **Release Monitoring** to monitor the output queue for spooled files to convert. **Note:** Robot Transform monitors the output queue unless it is being monitored by Robot Reports or another program. If Robot Reports is currently monitoring the output queue, a message displays asking you to select which product, Robot Transform or Robot Reports, you want to monitor the output queue.

**Monitored Output Queue Properties**

Output Queue:  ...

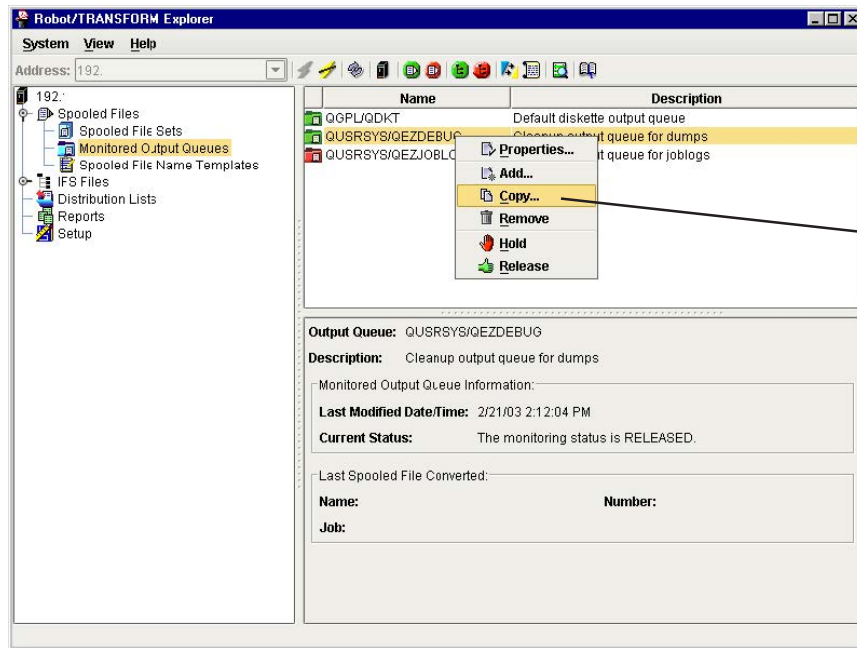
Description:

Monitoring Status

The monitoring status is HELD.

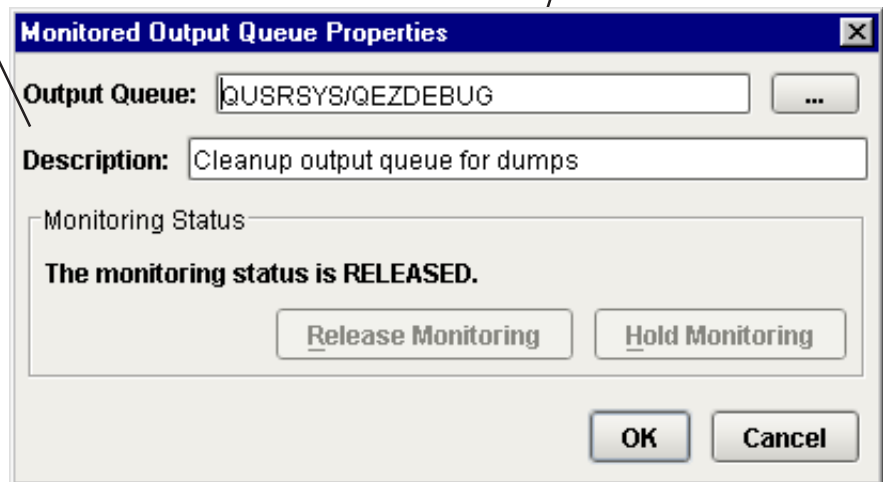
## Copying a Monitored Output Queue

You can copy an existing monitored output queue. Right-click on the output queue you want to duplicate in the List view and select **Copy**. The Monitored Output Queue Properties window displays.



Right-click on an output queue set and select **Copy**.

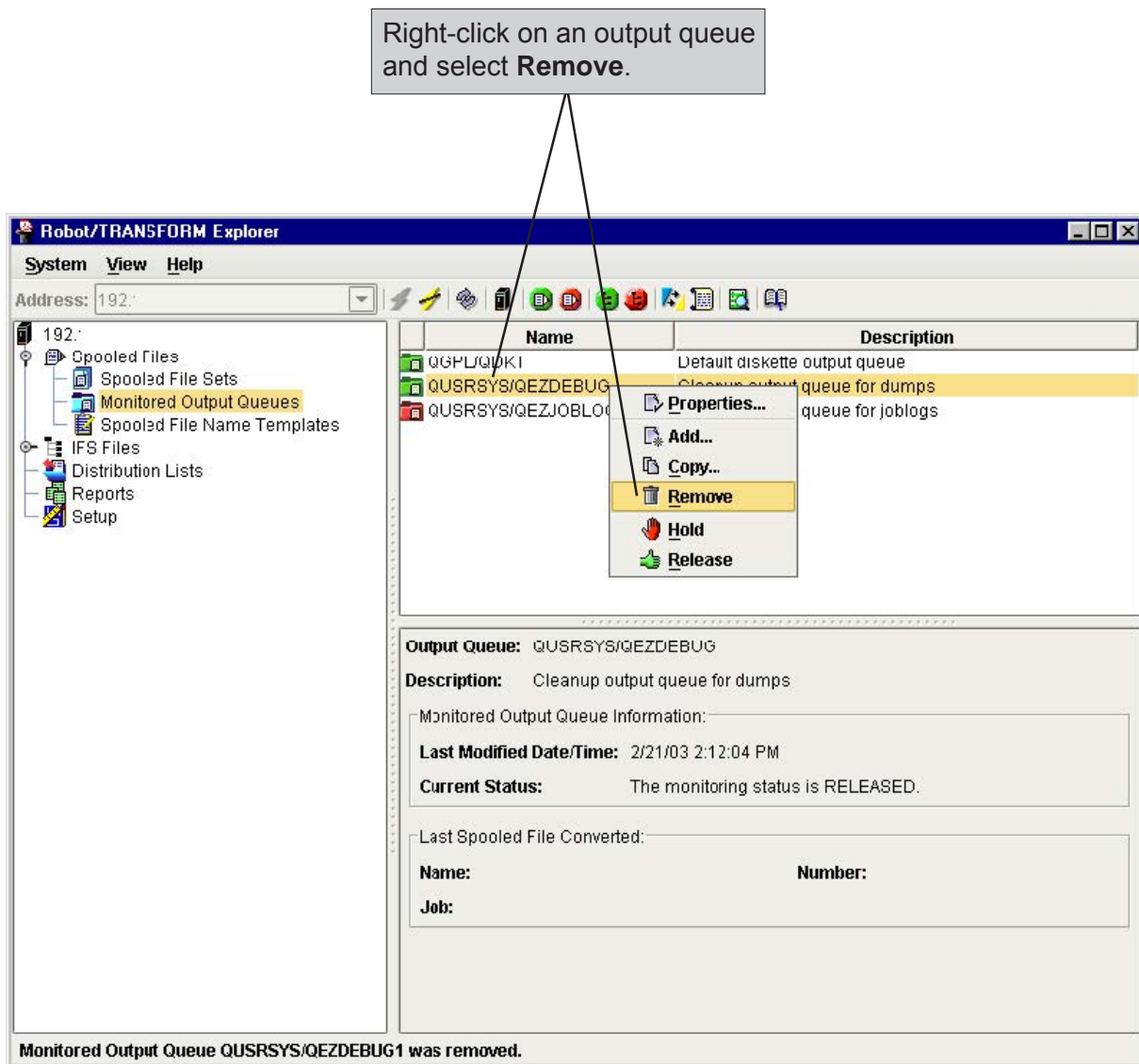
Enter a name and description for the new output queue.



## Removing a Monitored Output Queue

If you no longer want to monitor an output queue using Robot Transform, you can remove it. However, if you remove an output queue, it is not monitored and any spooled files in the queue will not be converted. Removing a monitored output queue from Robot Transform does not remove the output queue from your system. You need Change authority to remove a monitored output queue.

Right-click on the output queue you want to remove in the List view and select **Remove**.



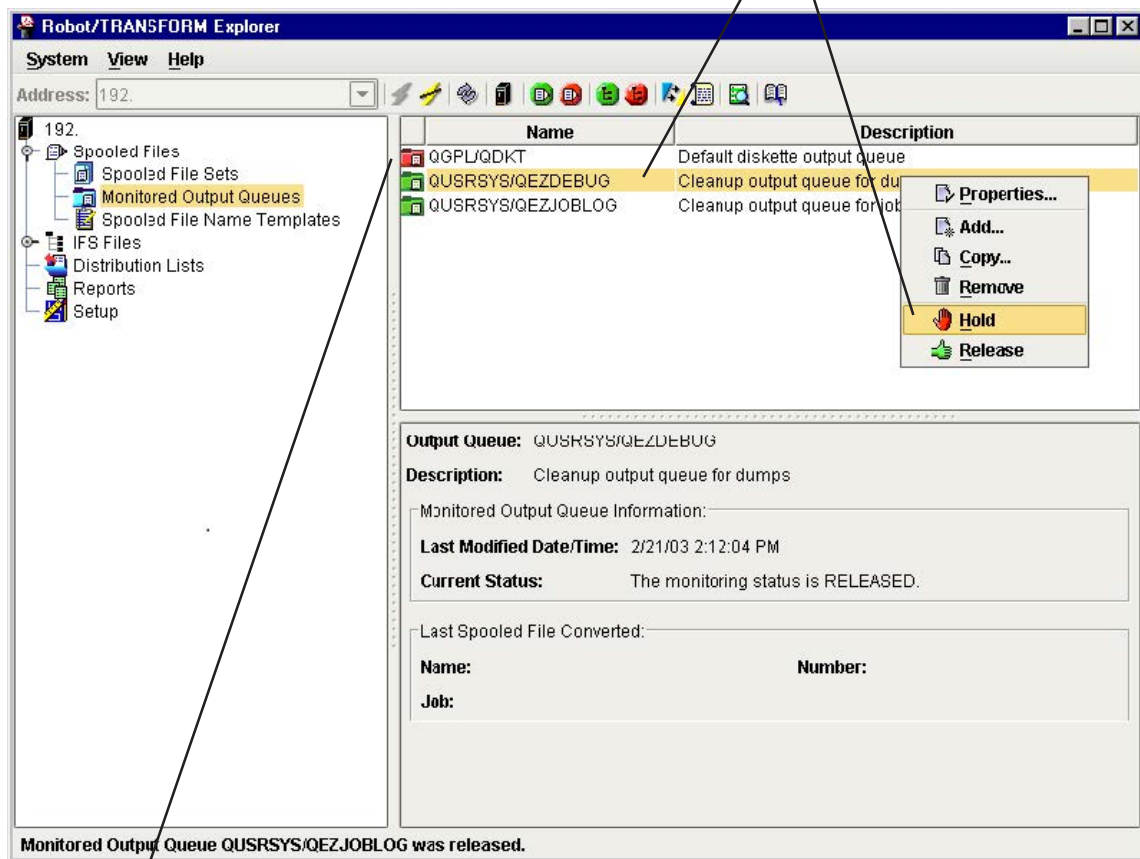


## Holding and Releasing Monitored Output Queues

You can place an output queue on hold to stop it from being monitored by Robot Transform. When an output queue is in Held status, Robot Transform does not convert its spooled files. The icon next to a held output queue displays in red. When you release a held output queue, the icon displays in green, and new spooled files sent to the queue are converted. When an output queue is set up in Robot Transform and monitored by another application—for example, Robot Reports—the icon displays in yellow. When an output queue was set up in Robot Transform, but no longer exists on the system, the icon displays in gray.

Right-click on the output queue you want to work with, then specify **Hold** or **Release**.

Right-click on an output queue and select **Hold** to stop it from being monitored. Select **Release** to release it.



An output queue that is being held displays a red icon.

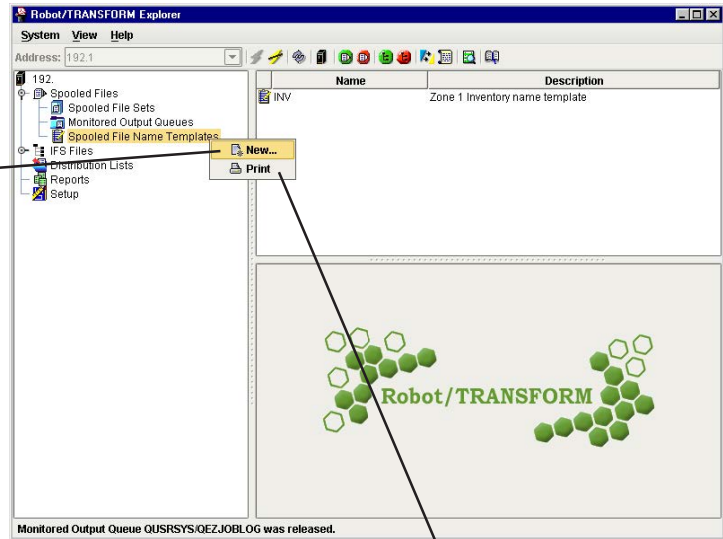
# Spooled File Name Templates

## Defining Spooled File Name Templates

The Spooled File Name Templates option allows you to define and edit name templates. These templates are used to generate unique and identifiable file names for your PDFs as they are created. When you define a spooled file set, you can select a name template to use.

To define a new name template, right-click on **Spooled File Name Templates** in the Tree view and select **New**. If you want to modify an existing name template, right-click on a name template in the List view and select **Properties**. The Spooled File Name Template Properties dialog box displays.

Right-click on **Spooled File Name Templates** and select **New** to display the Spooled File Name Template Properties dialog box.



Select **Print** to print the Name Templates report.

The dialog box is titled 'Spooled File Name Template Properties'. It contains the following fields and options:

- Name:** Accounting
- Description:** Account Name Template
- Select attributes to determine the name generated:**
  - Text (Value: ACCT)
  - Spooled File Name
  - User Data
  - Output Queue Name
  - Output Queue Library
  - Spooled File Job Name
  - Spooled File User Profile
  - Create Date (Date Format: System)
  - Create Time (Time Format: HHMM)
  - Auto Increment (Length: 1)
- Separate attributes with this character:** Space < >
- Generated Name Format:** ACCT SPLFNAME OUTQLIB 091302 0825 3
- Buttons:** OK, Cancel

Enter a name and description for the name template.

## Defining Spooled File Name Templates

You can select multiple attributes to determine the PDF file name that is generated. For example, selecting the Text attribute allows you to enter text in the Text field. The text you enter displays at the beginning of the file name. As you click to enable and disable different attributes, the sample file name displayed in the Generated Name Format field changes accordingly.

When you select the Text attribute, you can enter text in the Text field. The text you enter displays at the beginning of the file name.

**Spooled File Name Template Properties**

Name: Accounting

Description: Account Name Template

Select attributes to determine the name generated

- Text
- Spooled File Name
- User Data
- Output Queue Name
- Output Queue Library
- Spooled File Job Name
- Spooled File User Profile
- Create Date
- Create Time
- Auto Increment

Date Format: System

Time Format: HHMM

Length: 1

Separate attributes with this character: Space < >

Generated Name Format

ACCT SPLFNAME OUTQLIB 091302 0825 3

OK Cancel

As you select different file name attributes, the Generated Name Format field displays how the file name will look.

# Spooled File Name Templates

## Defining Spooled File Name Templates

If you want to include a date in the file name, select **Create Date**. You can select one of the following date formats: System, ISO, CCYYMMDD, YYMMDD, MMDD, MMDDYY, DDMM, or DDMMYY.

Select **Create Time** to include a time in the name. Select one of the following time formats: HHMM or HHMMSS.

**Spooled File Name Template Properties**

Name: Accounting

Description: Account Name Template

Select attributes to determine the name generated

- Text ACCT
- Spooled File Name
- User Data
- Output Queue Name
- Output Queue Library
- Spooled File Job Name
- Spooled File User Profile
- Create Date Date Format: System
- Create Time Time Format: HHMM
- Auto Increment Length: 1

Separate attributes with this character: Space < >

Generated Name Format  
ACCT SPLFNAME OUTQLIB 091302 0825 3

OK Cancel

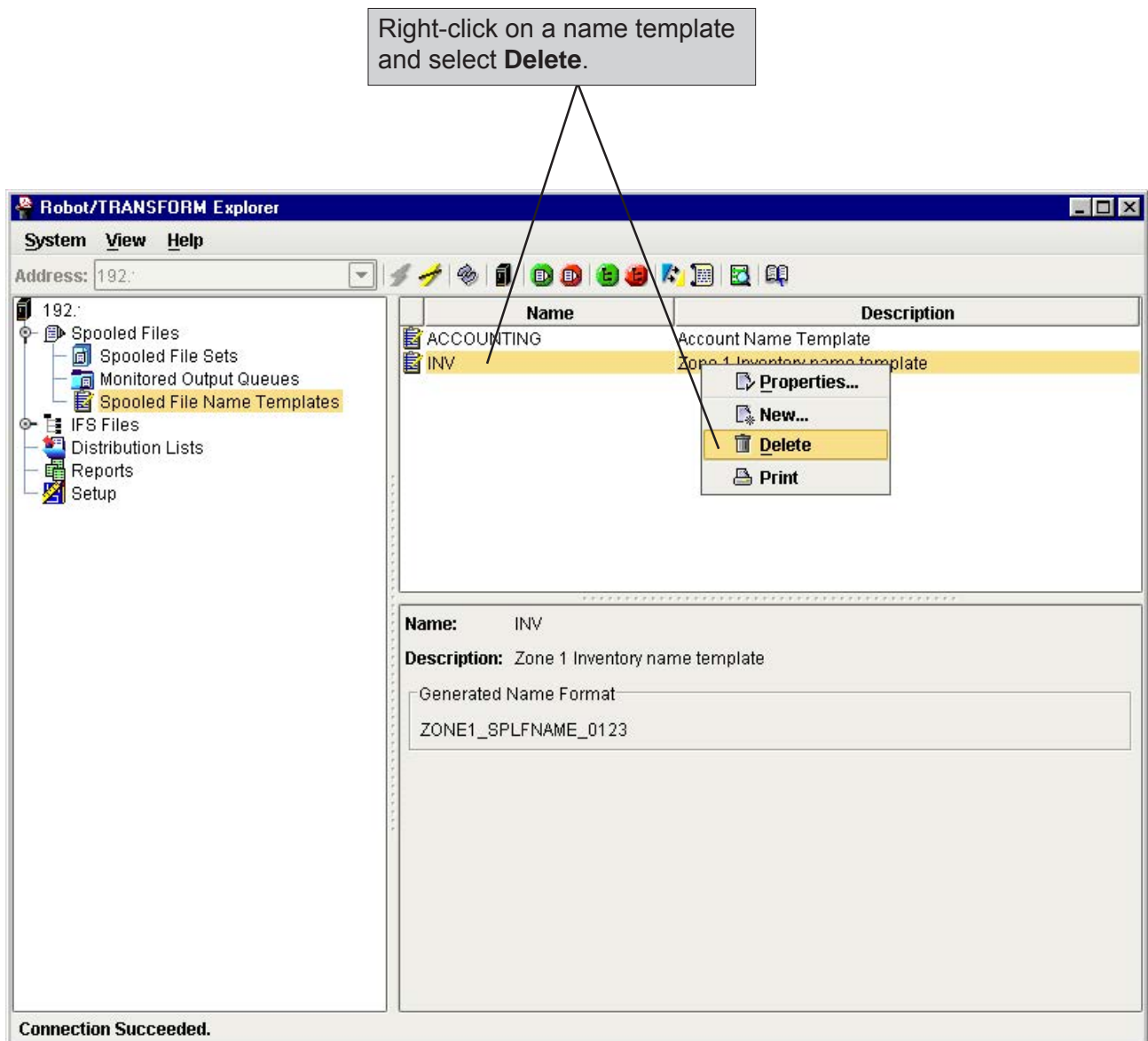
Select **Auto Increment** to add a series of digits to the end of the file name. Use this attribute when you want to retain multiple copies of the file in the same location. The number (**1 through 9**) you specify in the Length field represents how many numbers display in at the end of the file name. For example, if you select 5, the increment number will be five characters long : 00001. The next file will be 00002, and so on.

Select a character to separate the attributes in the file name. You can select None, Dash (-), Period (.), Space ( ), or Underscore (\_).

## Deleting a Spooled File Name Template

If you no longer use a name template to create file names for your converted files, you can delete it. However, you must first delete the name template from each spooled file set that uses it. Display the Output Options tab for each file set and delete the name template. To determine which file sets use a name template, review the Spooled File Name Templates Report. You need Change authority to delete a name template.

In the List view, right-click on a name template and select **Delete**.



**Notes:**

# IFS Sets

### ■ Defining IFS Sets

You use the IFS Sets option in the Tree view to create IFS sets that define how Robot Transform will convert your IFS files to PDF. When you create the file sets, you specify selection criteria, output options, processing options, PDF properties, and PDF options for converting your IFS files. The file sets specify which files you want Robot Transform to convert to PDF and how you want them converted.

### ■ Name Templates

Robot Transform uses name templates to generate unique and identifiable names for your converted PDFs. Name templates allow you to create file names for your PDFs that your users will recognize and understand. You can specify a name template to use when you define your IFS file set.

To create name templates, you use the IFS Name Templates option. You can select different file name attributes on the Name Template Properties window to see what the generated file name will look like.

### ■ Distribution Lists

Distribution lists allow you to place a converted PDF file in multiple directories at once. You can specify a distribution to use when you define your IFS sets. See Distribution Lists, later in this User Guide, for more information.

### ■ IFS File Monitor Job

Robot Transform includes an IFS file monitor job that runs in the RBTSLEEPER subsystem to monitor IFS directories. The IFS directory monitor job is TRNIWATCH. You can start and stop this monitor job from the Tree view or from the tool bar. You also can start and stop the monitor job using commands. See IBM i Commands, later in this User Guide, for more information.

When you stop the IFS file monitor job, files sent to monitored directories are not processed until the monitor job is restarted.

You can specify the IFS directories you want Robot Transform to monitor for IFS files to convert to PDF. Use the Monitored IFS Directories option to set up monitored IFS directories.



## ■ IBM i Universal Time Offset

The Coordinated Universal Time Offset specifies the difference, in hours and minutes, between Greenwich mean time, also known as UTC, and the current system time. If your current system time isn't offset to Greenwich mean time, your IFS file conversions may not take place when you expect them to.

This value is shipped set to +0000 and is used by the system when processing alerts that are sent to other systems in a network, at Java start up, and by SNTP clients.

This value should be set to reflect how far ahead or behind Greenwich mean time your location is. For example, in the United States, Central Standard Time (CST), is six hours behind Greenwich mean time. Therefore, the value is set to -06:00. This value should be changed each time Daylight Savings Time (DST) begins or ends.

To check this value, enter **WRKSYSVAL** on a command line and display **QUTCOFFSET**. You must IPL your system for this value to take effect.

## ■ Change Server Time Zone Command

If the time zone used by Robot Transform isn't the same time zone where your IBM i is located, your IFS file conversions may not take place when you expect them to. Use the Change Server Time Zone (**RSLCHGTZ**) command to set the time zone used by Robot Transform to the time zone where your IBM i is located. Robot Transform displays this time zone on each PC where it is installed, but it does not affect the PC's system clock.

## Starting and Stopping the IFS File Monitor

Use the IFS Sets option to start and stop the IFS file monitor job. IFS files are not converted to PDF by Robot Transform when the IFS file monitor job is stopped. When you start the IFS file monitor job, all new files from your IFS sets that are sent to your monitored IFS directories are converted. The IFS files that were sent to monitored IFS directories while the monitor job was stopped also are converted.

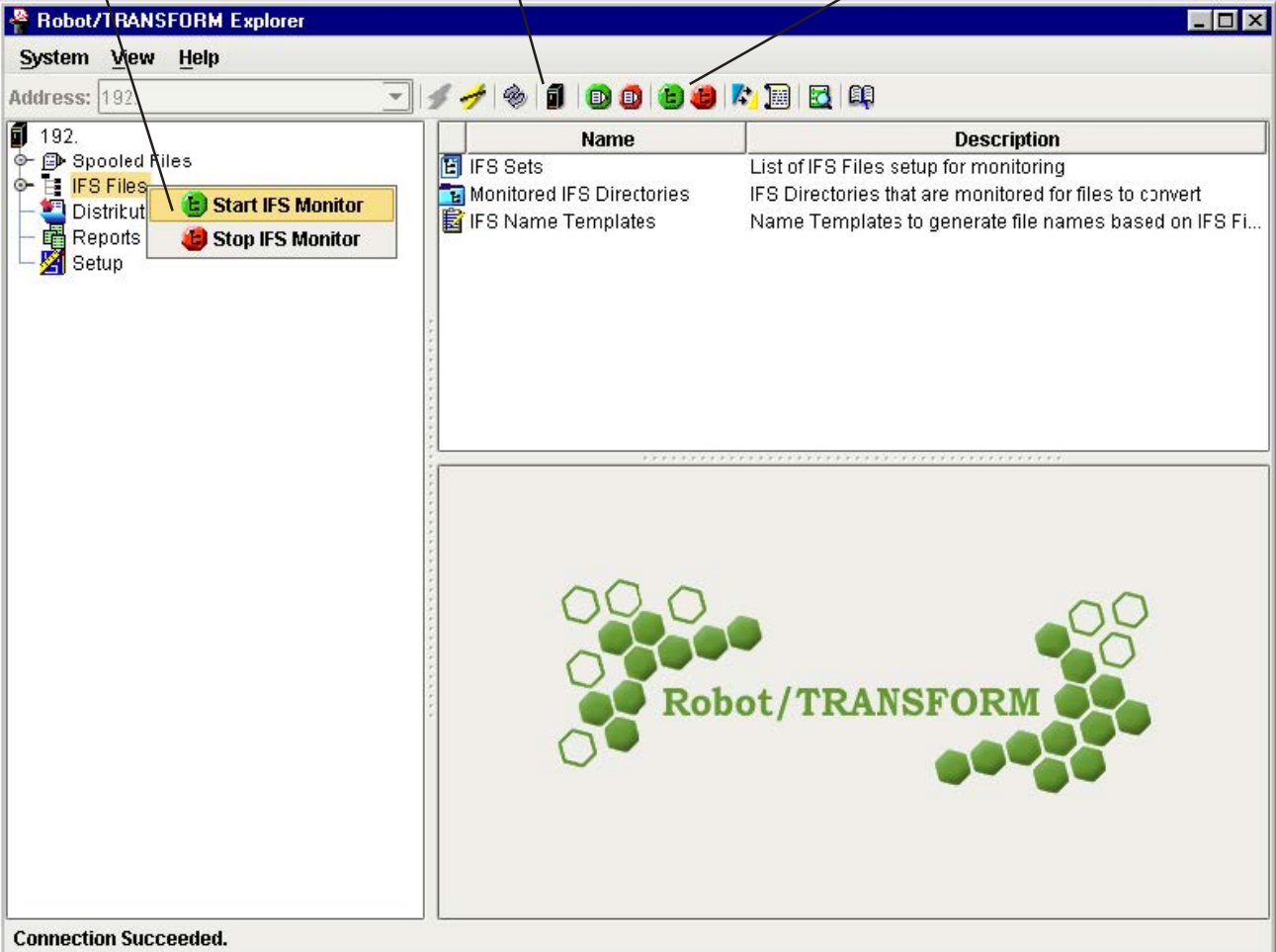
You also can hold and release individual IFS sets without stopping the monitor job. See *Holding and Releasing IFS Sets*, later in this User Guide, for more information.

In the Tree view, right-click on **IFS Files** and specify whether you want to start or stop the IFS monitor job.

Right-click on **IFS Files** and select **Start IFS Monitor** or **Stop IFS Monitor**.

Click the **Monitor Status** button to display the current status of the IFS file monitor.

You also can use the tool bar buttons to start and stop the IFS monitor job.



Name	Description
IFS Sets	List of IFS Files setup for monitoring
Monitored IFS Directories	IFS Directories that are monitored for files to convert
IFS Name Templates	Name Templates to generate file names based on IFS Fi...

Connection Succeeded.

## Defining IFS Sets

Use the IFS Files option to define and edit IFS sets, print the IFS File Sets report, and view run history. To define a new IFS set, right-click on **IFS Sets** in the Tree view and select **New**. If you want to modify an existing IFS file set, right-click on a file set in the List view and select **Properties**. The Edit IFS Set window displays allowing you to specify conversion options for the file set.

The screenshot shows the Robot/TRANSFORM Explorer interface. On the left, the 'Tree view' shows 'IFS Sets' selected. A context menu is open over 'IFS Sets' with options: 'New...', 'Print', and 'History...'. Below this, a 'List view' displays a table of IFS sets:

Name	Description
AA	Update
AAAA	AA
AGENDA	Robot/TRANSFORM Status Meeting Agenda
ALICE	Alice's IFS Set
ALTEST	test delete of DistList
BARB	Barb's IFS Set
BILL	Bill's IFS Set
DANTEST	Dan's test for schedule
DEV	Developer's IFS Set
DOMINO	Domino
GEN	**

Below the list, the 'Properties' dialog for 'BARB' is shown, with fields for 'Name', 'Path', and 'Date/Time'. A second context menu is open over 'BARB' with options: 'New...', 'Copy...', 'Delete', 'Hold', 'Release', 'Print', and 'History...'. A third context menu is open over 'New...' with options: 'New...', 'Copy...', 'Delete', 'Hold', 'Release', 'Print', and 'History...'. The 'Edit IFS Set' dialog is also shown, with fields for 'IFS Set' and 'Description', and tabs for 'Selection Criteria', 'Output Options', 'Processing Options', 'PDF Properties', and 'PDF Options'. The 'Selection Criteria' tab is active, showing a checkbox for 'Do not process this IFS file' and fields for 'File name' and 'Directory'.

Annotations:

- Right-click on **IFS Sets** to display the IFS file sets options.
- Select **Print** to print the IFS File Sets report. See the Reports section, later in this User Guide, for more information on printing Robot Transform reports.
- Select **History** to display and print run history. See Conversion History, later in this User Guide, for more information on Robot Transform history.
- IFS sets already defined in Robot Transform display in the List view. Right-click on an IFS set and select **Properties** to edit it.
- Select **New** to display the Edit IFS Set window to define a new file set.

## Specifying Selection Criteria

When you define a new IFS file set, you can specify selection criteria that makes it easier for Robot Transform to identify your files. If you specify a File Name and Directory for the file set, its files are converted before files sets without file names or directories specified. Files with specific names are converted before files that use generic values, and so on. You can enter generic values in the File Name field, using the following rules:

- You can enter a generic value at the end of the file name (not a file extension), for example: FILE\* or FILE\*.PCL
- You can enter a file extension, but it must be specific: FILE.PCL or FILE\*.PCL. Or, it must be completely generic: FILE.\*
- Partial generic file extensions such as FILE.PC\* are not allowed.
- To use completely generic file names, such as \*.\* or \*, you must enter a directory for the file in the Directory field.

Enter a name and description for the IFS set.

The information you enter displays in the List view on the Robot Transform Explorer and can help you identify your file sets easily. The name and description you enter remain in the fields as you work with the different tabs on this window.

You can specify if you want to temporarily stop the file from being processed.

Robot/TRANSFORM - Edit IFS Set

IFS Set: Accounting

Description: Accounting File Set

Selection Criteria   Output Options   Processing Options   PDF Properties   PDF Options

Do not process this IFS file

Selection Criteria for IFS Files

File name: accountingreport.pcl

Directory: /reports/accounting/

OK   Cancel

Enter the name of the IFS file to be converted. Include a file extension (.PCL, for example). Click the Finder button to select from a list of IFS files.

Enter the directory of the IFS file to be converted. The directory must be monitored by Robot Transform. Click the Finder button to select from a list of IFS directories.

## Specifying Output Options

You can use the Output Options tab to specify a name template to use for the converted PDF file, and to set the file distribution options. Name templates are optional. You must select to distribute the converted file to either an IFS directory, a distribution list, or both.

Enter a name template to use to create a custom file name for the IFS file. This field is optional. If you don't select a name template, the converted file's name defaults to the input IFS file name with a .pdf extension. Click the Finder button to select from a list of name templates.

You create name templates by selecting variables that Robot Transform uses to generate unique and identifiable file names for your PDF files. See IFS Name Templates, later in this guide, for more information.

You must at least one distribution option.

Enter an IFS directory for the converted file. You can enter up to 257 characters. The directory must begin and end with a forward slash (/), for example: /mydirectory/. Click the Finder button to select from a list of directories.

## Specifying Output Options

Specify if you want to replace an existing file in the location.

If you use Robot Alert, specify if you want Robot Alert to e-mail the PDF as an attachment to a specified user or broadcast list. Click the Finder button to select from a list of Robot Alert recipients.

Robot/TRANSFORM - Edit IFS Set

IFS Set:

Description:

Selection Criteria   Output Options   Processing Options   PDF Properties   PDF Options

Name Template:  ...

Distribution

IFS Directory:  ...

Replace file

E-mail PDF file attachment to Robot/ALERT Recipient:  ...

Distribution List:  ...

OK   Cancel

Enter the name of the distribution list where you want the file distributed. Click the Finder button to select from a list of distribution lists.

## Specifying Processing Options

Use the Processing Options tab to set the PCL and post-conversion notification options.

Specify if you want to delete the original IFS file after a successful conversion.

Specify if the conversion program should generate a form feed when it encounters an invalid escape sequence in a PCL file. This option is set during the system setup; however, you can change it for the file set you are defining. See Setting Conversion Defaults, later in this User Guide, for more information.

**Robot/TRANSFORM - Edit IFS Set**

IFS Set:

Description:

**Selection Criteria** **Output Options** **Processing Options** **PDF Properties** **PDF Options**

Delete original file after conversion

PCL Options

Generate formfeed from invalid Escape sequence

Start Parser in HPGL mode

Post-Conversion Notification

Send Robot/ALERT message after completion  ...

Always  After Failure  After Success

Initiate Robot/SCHEDULE reactive jobs after completion

Send message to Message Queue after failure  ...

**OK** **Cancel**

Specify whether to start the parser in Hewlett-Packard Graphics Language (HPGL) mode.

If your files contain HPGL only, select this option.

If your files contain embedded HPGL, do not select this option.

## Specifying Processing Options

Specify if you want Robot Alert to send a message to a user or broadcast list when the file conversion is complete. Click the Finder button to select from a list of Robot Alert recipients.

You can specify if Robot Alert should always send a message, send a message only after failed conversions, or only after successful conversions.

**Robot/TRANSFORM - Edit IFS Set**

IFS Set:

Description:

**Selection Criteria** | **Output Options** | **Processing Options** | **PDF Properties** | **PDF Options**

**Delete original file after conversion**

PCL Options

**Generate formfeed from invalid Escape sequence**

**Start Parser in HPGL mode**

Post-Conversion Notification

**Send Robot/ALERT message after completion**

**Always**     **After Failure**     **After Success**

**Initiate Robot/SCHEDULE reactive jobs after completion**

**Send message to Message Queue after failure**

You can start a Robot Schedule job after the conversion is complete. Robot Transform submits the SDRBTDTA command using the IFS set name as the prerequisite user job name. If the conversion ended normally or with a warning, it sends a completion status C; if the conversion ended with a severe error, a status of T is sent. For more information on setting up the job, see the Robot Schedule User Guide.

Specify if Robot Transform should send a failure notification to a message queue. The notification displays the failed spooled file set name. Click the Finder button to select from a list of message queues.



## Specifying PDF Properties—Title

You can use the Title, Author, Subject, and Keywords tabs on the PDF Properties tab to specify PDF information that users can display when viewing the PDF using Adobe Acrobat.

Select if you want to enter a title for the file. You can enter up to 50 characters.

The screenshot shows a dialog box titled "Robot/TRANSFORM - Edit IFS Set". At the top, there are fields for "IFS Set:" and "Description:". Below these are five tabs: "Selection Criteria", "Output Options", "Processing Options", "PDF Properties", and "PDF Options". The "PDF Properties" tab is active, and within it, the "Title" sub-tab is selected. Under the "Title" sub-tab, there is a "Title:" label followed by a radio button that is currently selected. Below this are two other radio button options: "Original File Name" and "Original Path and File". At the bottom right of the dialog are "OK" and "Cancel" buttons. A callout box points to the "Title:" radio button, and another callout box points to the "Original File Name" radio button.

Select one of the remaining options if you want the file's title to be generated using that option. For example, if you select Original File Name, the title of the file will default to the IFS file's name.

## Specifying PDF Properties—Author

Use the Author tab to enter or select an author identification option for the PDF file.

Select if you want to enter an author's name for the file. You can enter up to 50 characters.

The screenshot shows a dialog box titled "Robot/TRANSFORM - Edit IFS Set". At the top, there are fields for "IFS Set:" and "Description:". Below these are several tabs: "Selection Criteria", "Output Options", "Processing Options", "PDF Properties", and "PDF Options". The "PDF Properties" tab is selected, and within it, the "Author" sub-tab is active. Under the "Author" sub-tab, there is a radio button selected next to the label "Author:" and an empty text input field. Below this is another radio button next to the label "Owner User Profile". At the bottom right of the dialog are "OK" and "Cancel" buttons.

Select if you want the author of the file's name to be generated using the owner's user profile. The author of the file will display as the user profile of the person who owns the IBM i file.

## Specifying PDF Properties—Subject

Use the Subject tab to enter a subject identification for the PDF file.

Enter the file's subject. You can enter up to 50 characters.

The screenshot shows a dialog box titled "Robot/TRANSFORM - Edit IFS Set". At the top, there are two input fields: "IFS Set:" and "Description:". Below these are five tabs: "Selection Criteria", "Output Options", "Processing Options", "PDF Properties", and "PDF Options". The "PDF Properties" tab is active, and within it, the "Subject" sub-tab is selected. A large text area labeled "Subject:" is provided for input. At the bottom right, there are "OK" and "Cancel" buttons. A callout box points to the "Subject" input area with the text: "Enter the file's subject. You can enter up to 50 characters."

## Specifying PDF Properties—Keywords

Use the Keywords tab to enter keyword identification options for the PDF file.

Select if you want to enter keywords for the file. You can enter up to 50 characters. Separate individual keywords with spaces.

The screenshot shows a dialog box titled "Robot/TRANSFORM - Edit IFS Set". At the top, there are two input fields: "IFS Set:" and "Description:". Below these are five tabs: "Selection Criteria", "Output Options", "Processing Options", "PDF Properties", and "PDF Options". The "PDF Properties" tab is active, and within it, the "Keywords" sub-tab is selected. A large text area labeled "Keywords:" is provided for input. A callout box points to this area with the text: "Select if you want to enter keywords for the file. You can enter up to 50 characters. Separate individual keywords with spaces." At the bottom right of the dialog are "OK" and "Cancel" buttons.

## Specifying PDF Options

Use the PDF Options tab to specify PDF options, select page size, orientation, and page offset. The conversion defaults specified in the System Setup display when you select this tab. You can change these values for the file set you are defining.

Select **Compress PDF Streams** to enable standard PDF compression, which produces a smaller file.

Select **Use PDF Fonts** to use the Adobe Acrobat Reader font most similar to the font used in the original document. The **Embed All PCL Fonts** option overrides this option if both are selected.

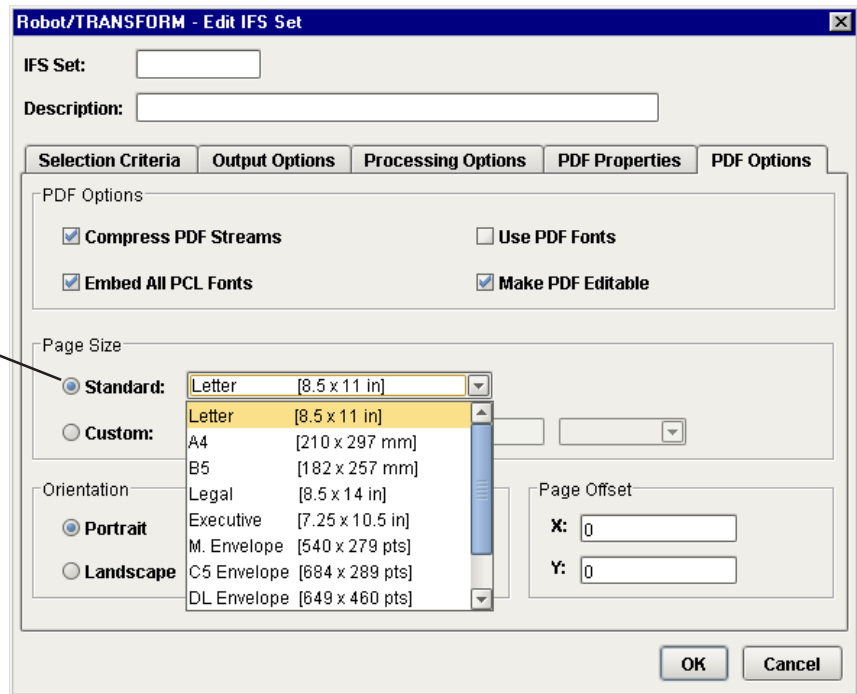
Select **Embed All PCL Fonts** to include the font definition in the PDF document. This option overrides **Use PDF Fonts** if both options are selected.

Select **Make PDF Editable** to allow users to edit the converted PDF file.

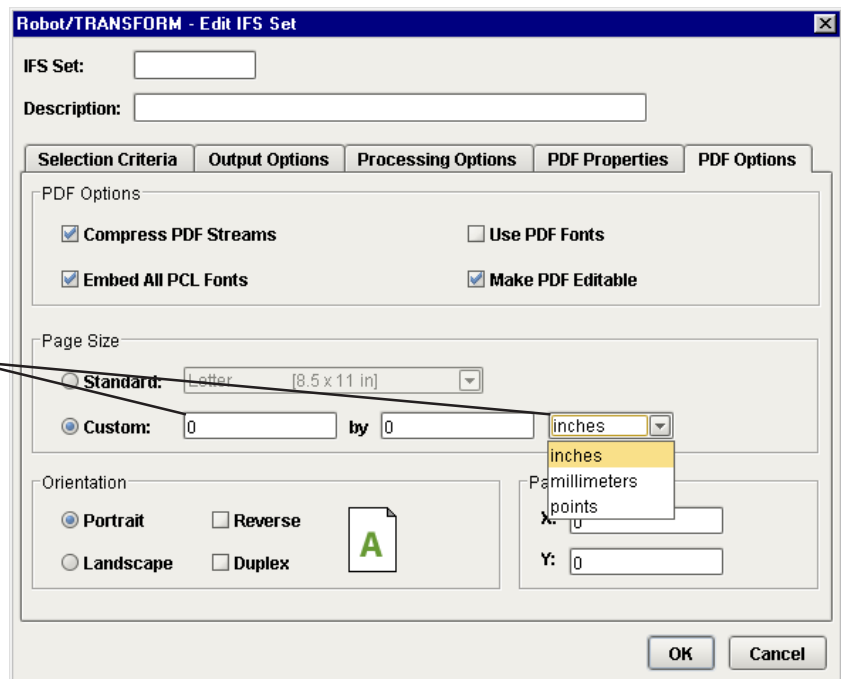
## Specifying PDF Options

You can select either a standard page size for your converted files or specify a custom page size. The defaults specified during system setup display on this tab. You can change these defaults for the file set you are defining.

If you select **Standard**, click the down arrow to select a page size for the file conversion. Each standard page size has default page width and length values.



If you select **Custom**, click the down arrow to specify a unit of measure and enter page width and length values for the converted file. You can enter values within the following ranges: 1.0 to 45.0 inches; 25.4 to 1143.0 mm; or 72 to 3240 points.



## Specifying PDF Options

Select a page orientation for the converted file. You can specify either **Portrait** or **Landscape**.

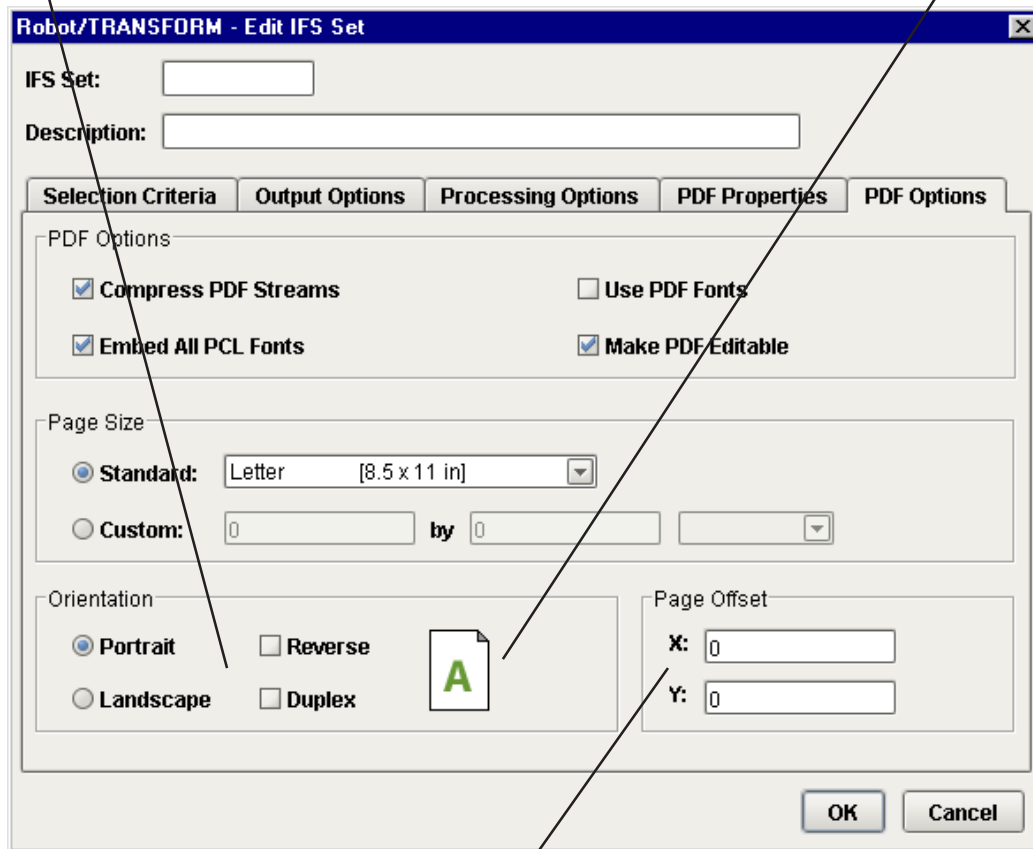
You also can select up to two secondary orientations:

**Reverse** Rotates the page 180 degrees.

**Duplex** Uses the front and back sides of a page.

If you select both Reverse and Duplex, it rotates the page 180 degrees and uses the front and back of a page.

The orientation guide provides a view to how your documents will appear as you select different orientation options.



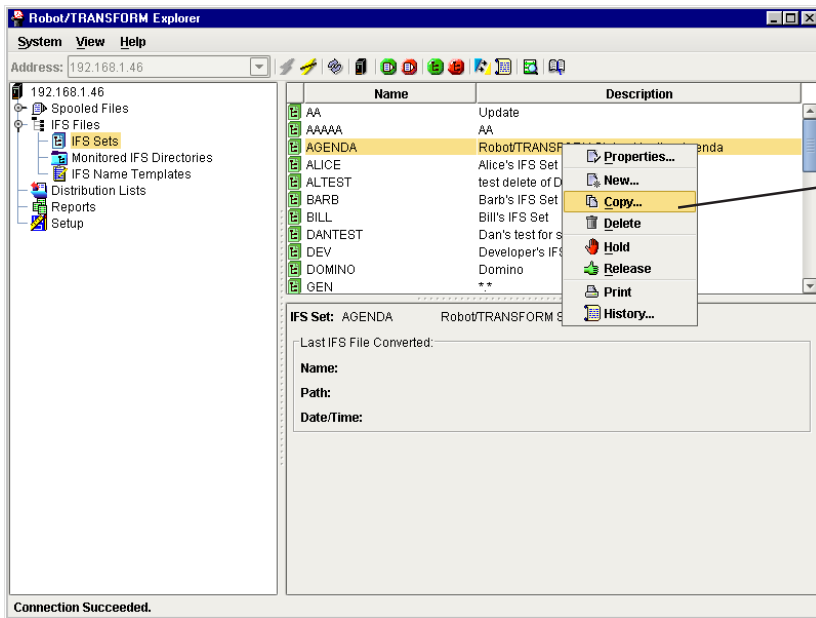
Use the Page Offset fields to specify the amount the converted document will be offset from the left and top page edges. The unit of measure used for these options is determined by the value you selected in the Standard Page Size or Custom Page Size fields.

- X** Specifies the amount the document is offset to the right of the left page edge. The value you enter must be between 0 and 1/4 of the page width using the current unit of measure.
- Y** Specifies the amount the document is offset down from the top page edge. The value you enter must be between 0 and 1/4 of the page length using the current unit of measure.

## Copying an IFS Set

You can copy an existing IFS file set to create a new file set that shares similar properties. Conversion history is not copied when you copy a file set.

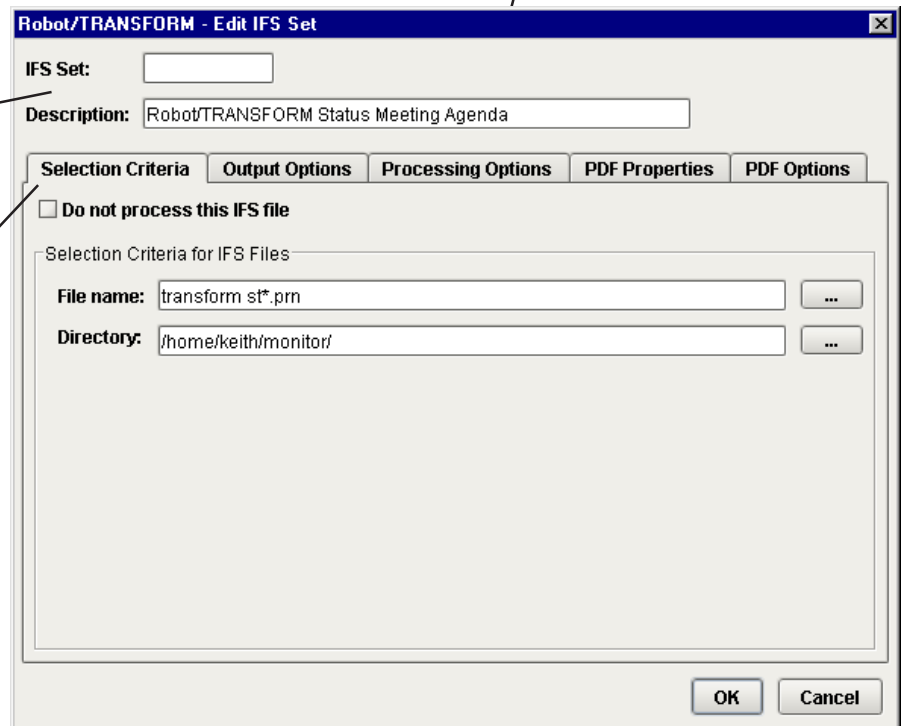
In the List view, right-click on the IFS set you want to duplicate and select **Copy**. The Edit IFS Set window displays. Enter a new name for the file set and make other necessary changes to the file settings for the new file.



Right-click on the IFS file set you want to copy and select **Copy**. Use the Edit IFS Set window to enter the conversion information for the new file set.

Enter a name and description for the new IFS file set.

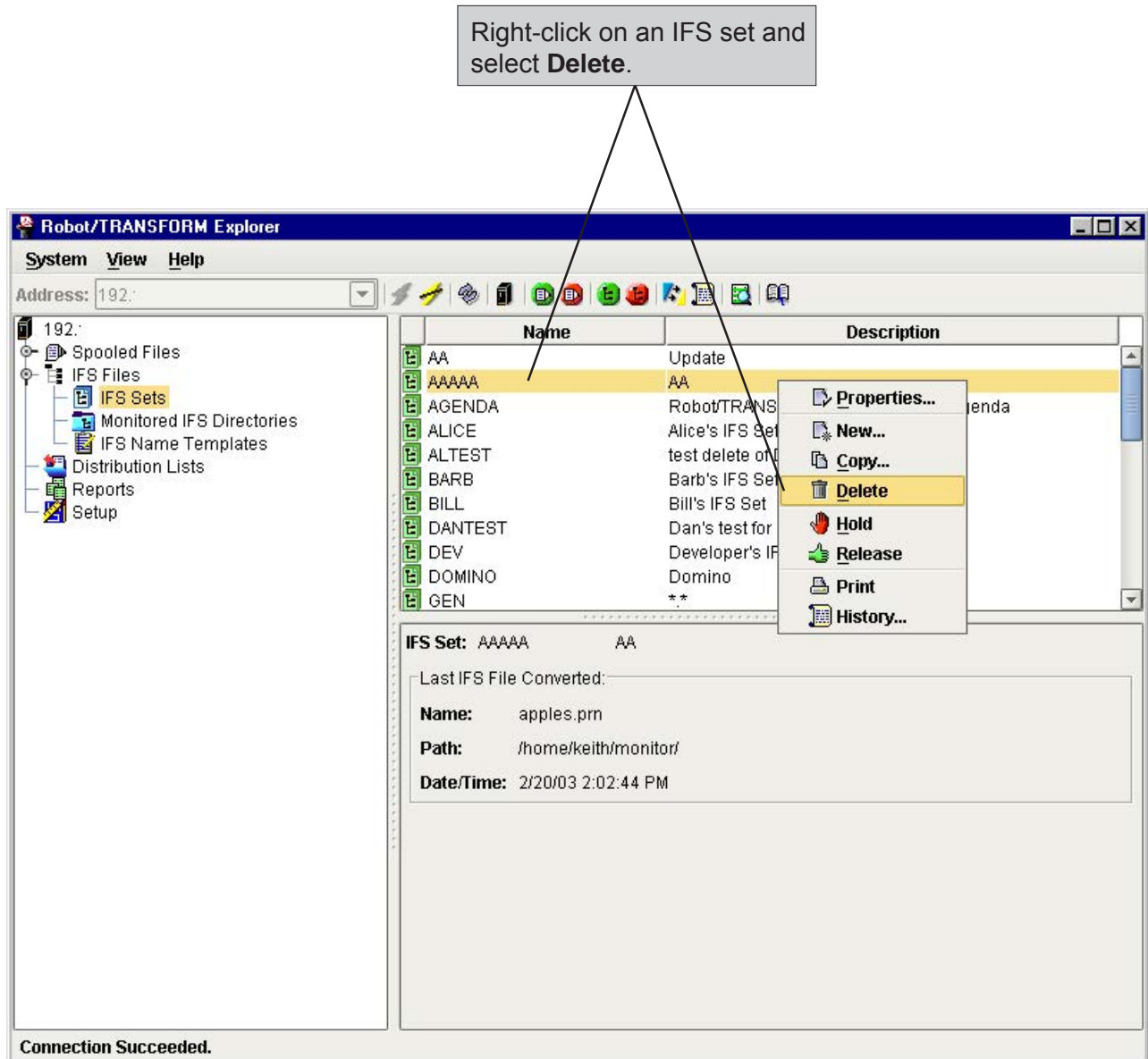
Modify the values for the new file set on the file option tabs.





## Deleting an IFS Set

If you no longer want to convert files using an IFS set, you can delete it. If you delete an IFS set, the conversion history for the file set is not deleted and can be viewed until the purge job runs. You need Change authority to delete an IFS set. To delete a IFS set, right-click on the file set in the List view and select **Delete**.

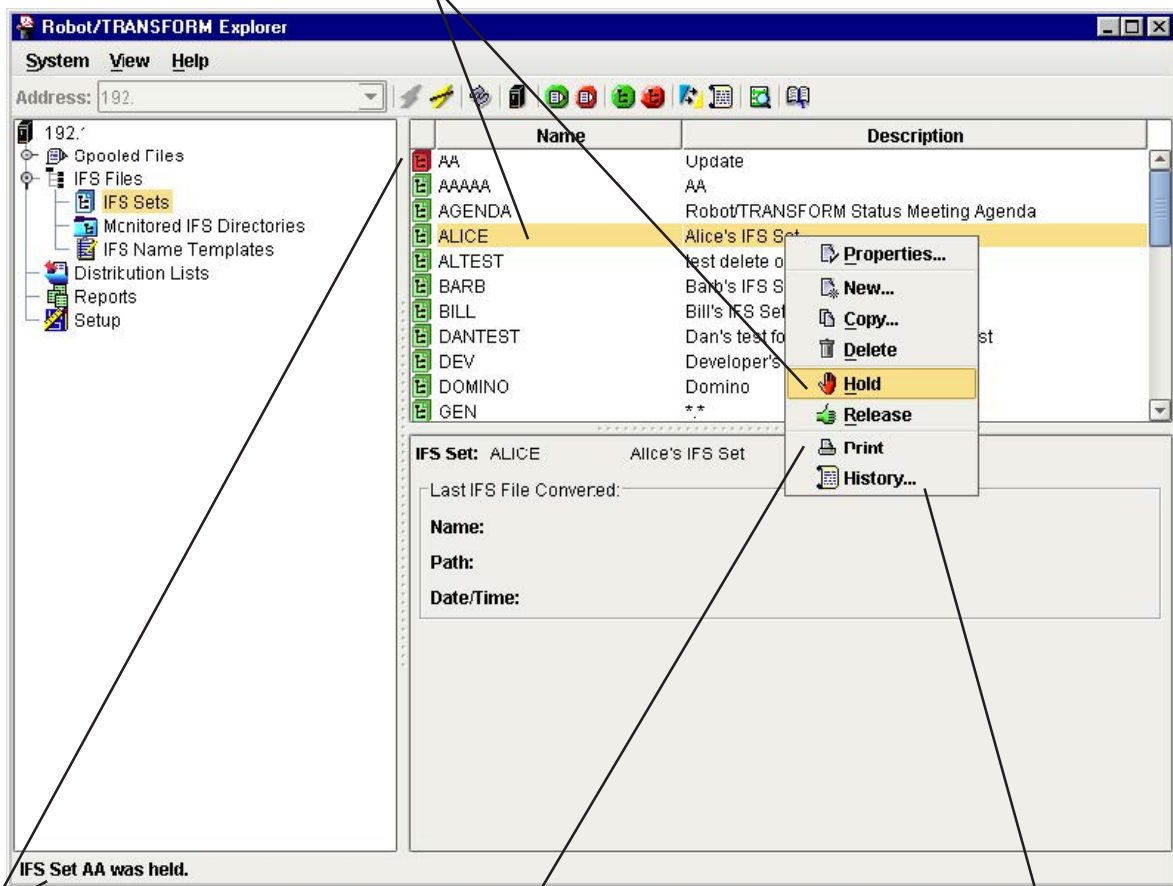


## Holding and Releasing IFS Sets

You can place an IFS file set on hold to prevent its files from being converted by Robot Transform. When a file set is on hold, the icon next to the set displays in red and its files are not converted. When you release a held file set, the icon next to the set displays in green and all new files from the file set are converted. The IFS files that were sent to monitored IFS directories while the file set was held are not converted.

To hold or release an IFS set, right-click on the file set in the List view and select **Hold** or **Release**.

Right-click on a file set and select **Hold** to prevent the files in the IFS set from being converted to PDF. Select **Release** to release the hold.



A red icon indicates that a file set is being held. The Status Bar also indicates the file set is on hold.

Select **Print** to print the IFS File Sets report for the selected file set. See the Reports section, later in this User Guide, for more information on printing Robot Transform reports.

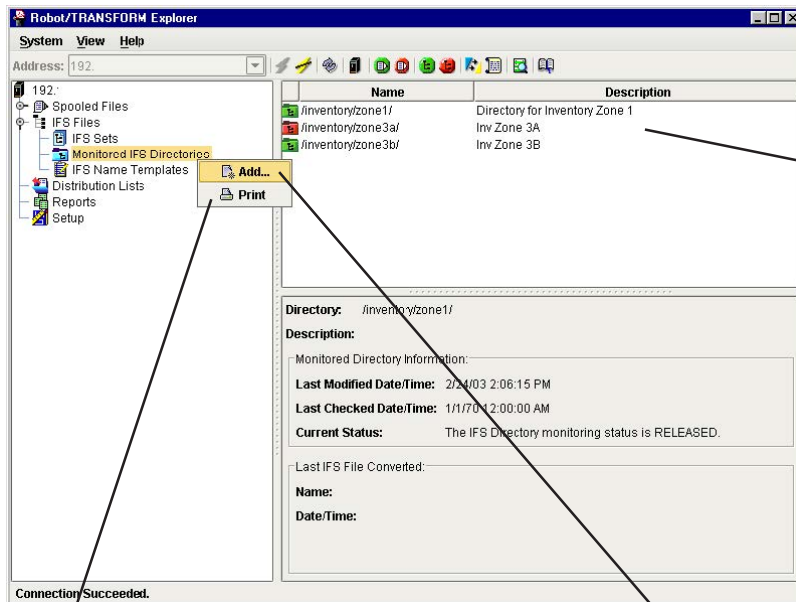
Select **History** to display and print the run history for the file set. See Conversion History, later in this User Guide, for more information on Robot Transform history.

## Defining Monitored IFS Directories

Use the Monitored IFS Directories option to define and edit the IFS directories you want Robot Transform to monitor for IFS files. You can temporarily hold IFS directories. When an IFS directory is in Held status, Robot Transform does not convert its IFS files. See *Holding and Releasing Monitored IFS Directories*, later in this User Guide, for more information.

When you add a monitored IFS directory, it may have existing files in it. Existing files in new monitored IFS directories are converted if they match the selection criteria of an IFS set.

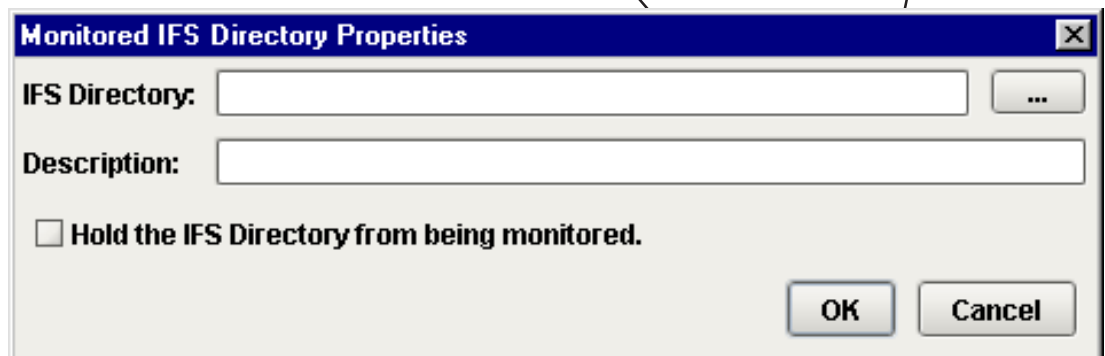
In the Tree view, right-click on **Monitored IFS Directories** and select **Add** to define a new IFS directory to monitor. In the List view, right-click on an IFS directory and select **Properties** to edit it. The Monitored IFS Directory Properties dialog box displays.



IFS directories already defined in Robot Transform display in the List view. Right-click on an IFS directory and select **Properties** to edit it.

Select **Print** to print the Monitored IFS Directories report. See the Reports section, later in this User Guide, for more information on printing Robot Transform reports.

Right-click on **Monitored IFS Directories** and select **Add** to display the Monitored IFS Directory Properties dialog box.



### Defining Monitored IFS Directories

Enter the directory you want to monitor. Click the Finder button to select from a list of IFS directories.

Enter a description for the IFS directory.

**Monitored IFS Directory Properties**

IFS Directory: /reports/accounting/ ...

Description: Accounting Reports Monitored Directory

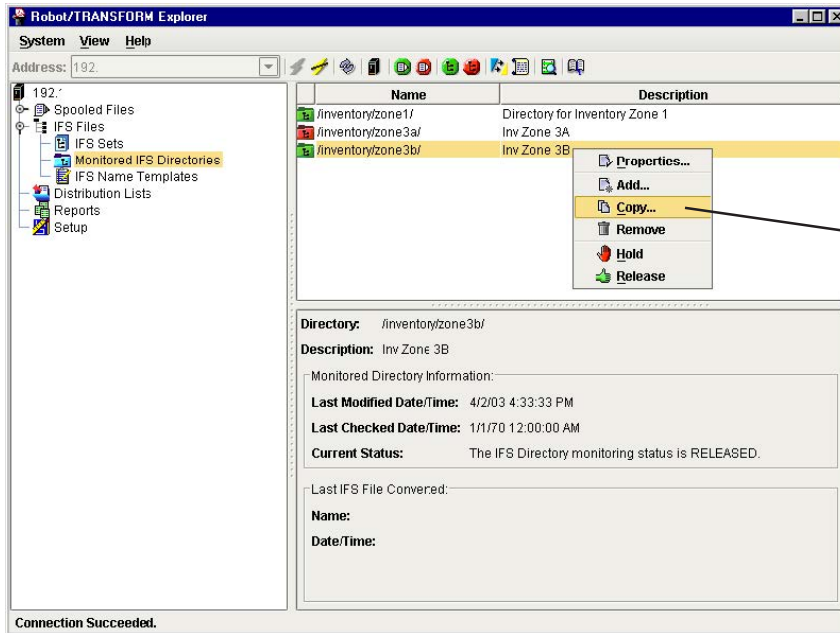
Hold the IFS Directory from being monitored.

OK Cancel

The IFS directory is monitored immediately after you click **OK**. Specify if you want to hold the IFS directory from being monitored.

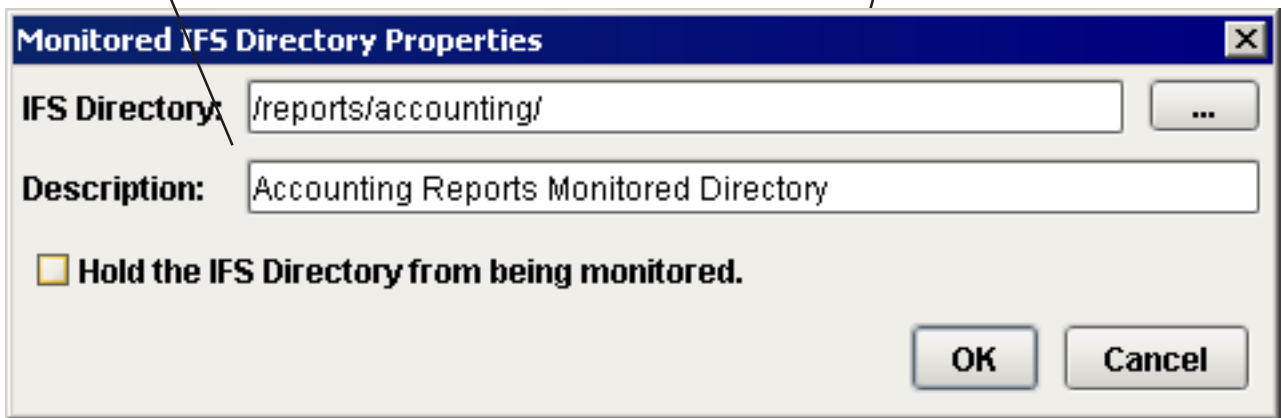
## Copying a Monitored IFS Directory

You can copy an existing monitored IFS directory. Right-click on the directory you want to duplicate in the List view and select **Copy**. The Monitored IFS Directory Properties window displays.



Right-click on an IFS directory and select **Copy**.

Enter a new name and description for the IFS directory.

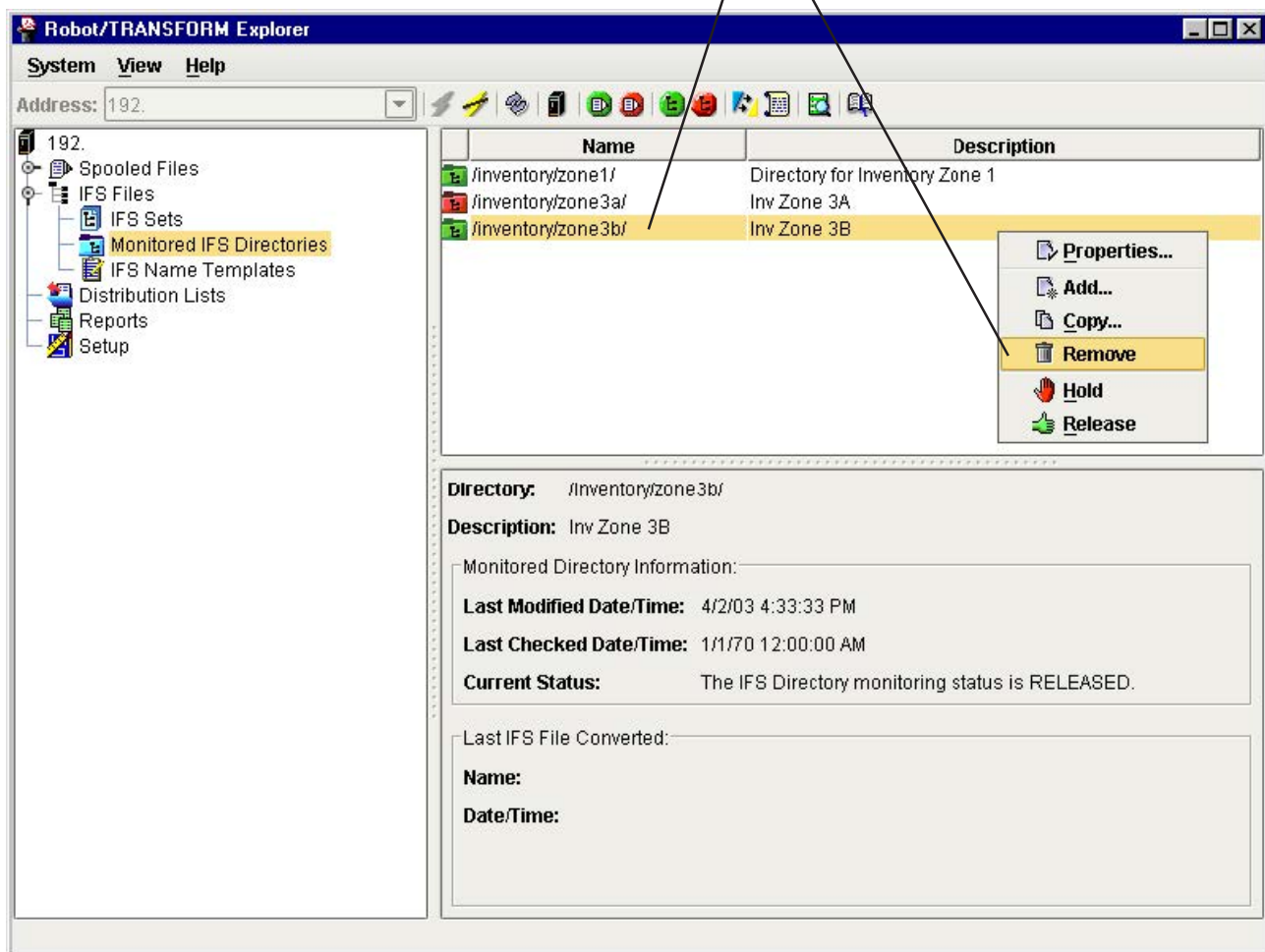


## Removing a Monitored IFS Directory

If you no longer want to monitor a directory using Robot Transform, you can remove it. However, if you remove a monitored IFS directory, any files distributed to the directory will not be converted. Removing a monitored IFS directory from Robot Transform does not remove the directory from your system. You need Change authority to remove a monitored IFS directory.

Right-click on the directory you want to remove in the List view and select **Remove**.

Right-click on an IFS directory and select **Remove**.



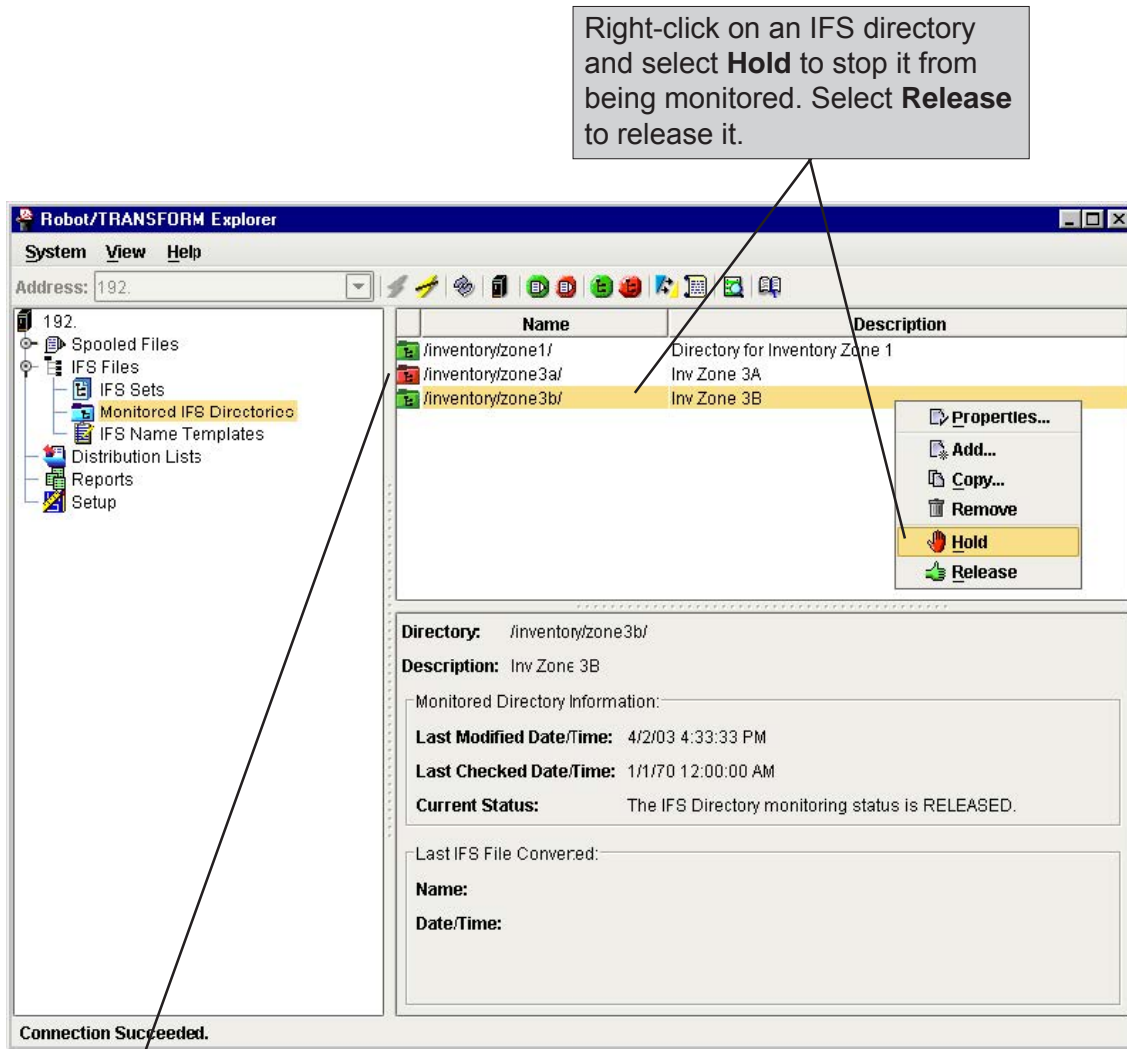
## Holding and Releasing Monitored IFS Directories

You can place an IFS directory on hold to prevent files that are sent to it from being converted. The icon next to a held IFS directory displays in red.

When you release a held IFS directory, all new files sent to the directory are converted if they match IFS set selection criteria. Files sent to the directory while it was on hold also are converted. The icon next to released IFS directories displays in green.

Robot Transform monitors IFS directories for files with updated modification dates and times. Robot Transform will process a file in a monitored IFS directory if it has been updated and it matches the selection criteria of an IFS set. Copying a file into an IFS directory may not change its modification date and time; the file may not be processed.

Right-click on the IFS directory you want to work with, then specify **Hold** or **Release**.



Right-click on an IFS directory and select **Hold** to stop it from being monitored. Select **Release** to release it.

An IFS directory that is being held displays a red icon.

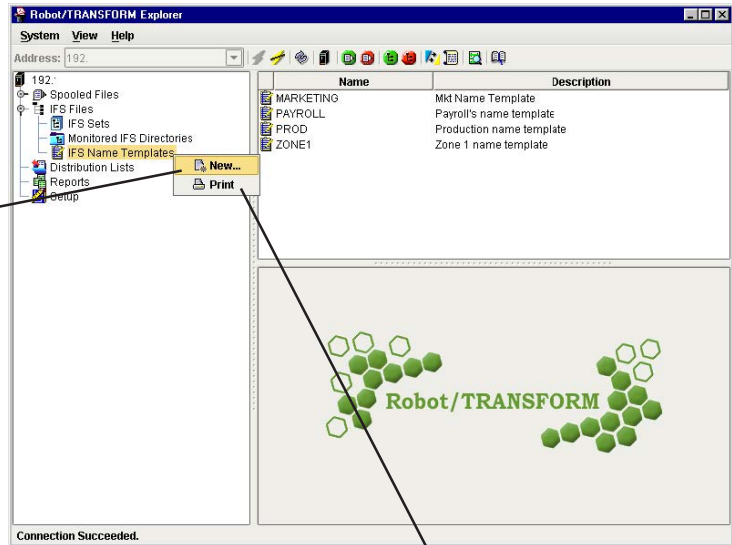
# IFS Name Templates

## Defining IFS Name Templates

The IFS Name Templates option allows you to define and edit name templates. These templates are used to generate unique and identifiable PDF names for your files as they are created. When you define an IFS file set, you can select a name template to use.

To define a new name template, right-click on **IFS Name Templates** in the Tree view and select **New**. If you want to modify an existing name template, right-click on a name template in the List view and select **Properties**. The IFS Name Template Properties dialog box displays.

Right-click on **IFS Name Templates** and select **New** to display the IFS Name Template Properties dialog box.



Select **Print** to print the Name Templates report.

The IFS Name Template Properties dialog box is shown with the following fields and options:

- Name:** Accounting
- Description:** Accounting Name Template
- Select attributes to determine the name generated:**
  - Text** (Value: ACCT)
  - File Name**
  - File Extension**
  - Object Owner**
  - Create Date** (Date Format: System)
  - Create Time** (Time Format: HHMM)
  - Auto Increment** (Length: 1)
- Separate attributes with this character:** Space < >
- Generated Name Format:** ACCT IFSNAME 091302 0825 3
- Buttons:** OK, Cancel

Enter a name and description for the name template. The name and description display for existing name templates. The name displays in the List view on the Robot Transform Explorer and helps you identify your name templates easily.



### Defining IFS Name Templates

You can select multiple attributes to determine the PDF file name that is generated. For example, selecting the Text attribute allows you to enter text in the Text field. The text you enter displays at the beginning of the file name. As you click to enable and disable different attributes, the sample file name displayed in the Generated Name Format field changes accordingly.

When you select the Text attribute, you can enter text in the Text field. The text you enter displays at the beginning of the file name.

**IFS Name Template Properties**

**Name:** Accounting

**Description:** Accounting Name Template

Select attributes to determine the name generated

- Text** ACCT
- File Name**
- File Extension**
- Object Owner**
- Create Date**      **Date Format:** System
- Create Time**      **Time Format:** HHMM
- Auto Increment**      **Length:** 1

**Separate attributes with this character:** Space < >

**Generated Name Format**  
ACCT IFSNAME 091302 0825 3

OK      Cancel

As you select different file name attributes, the Generated Name Format field displays how the file name will look.

## Defining IFS Name Templates

If you want to include a date in the file name, select **Create Date**. You can select one of the following date formats: System, ISO, CCYYMMDD, YYMMDD, MMDD, MMDDYY, DDMM, or DDMMYY.

Select **Create Time** to include a time in the name. Select one of the following time formats: HHMM or HHMMSS.

The screenshot shows the 'IFS Name Template Properties' dialog box. The 'Name' field contains 'Accounting' and the 'Description' field contains 'Accounting Name Template'. Under the 'Select attributes to determine the name generated' section, the following options are checked: Text (with 'ACCT' in the adjacent text field), File Name, Create Date (with 'Date Format' set to 'System'), Create Time (with 'Time Format' set to 'HHMM'), and Auto Increment (with 'Length' set to '1'). The 'Separate attributes with this character' dropdown is set to 'Space < >'. The 'Generated Name Format' field displays 'ACCT IFSNAME 091302 0825 3'. 'OK' and 'Cancel' buttons are located at the bottom right of the dialog.

Select **Auto Increment** to add a series of digits to the end of the file name. Use this attribute when you want to retain multiple copies of the file in the same location. The number (**1 through 9**) you specify in the Length field represents how many numbers display in at the end of the file name. For example, if you select 5, the increment number will be five characters long : 00001. The next file will be 00002, and so on.

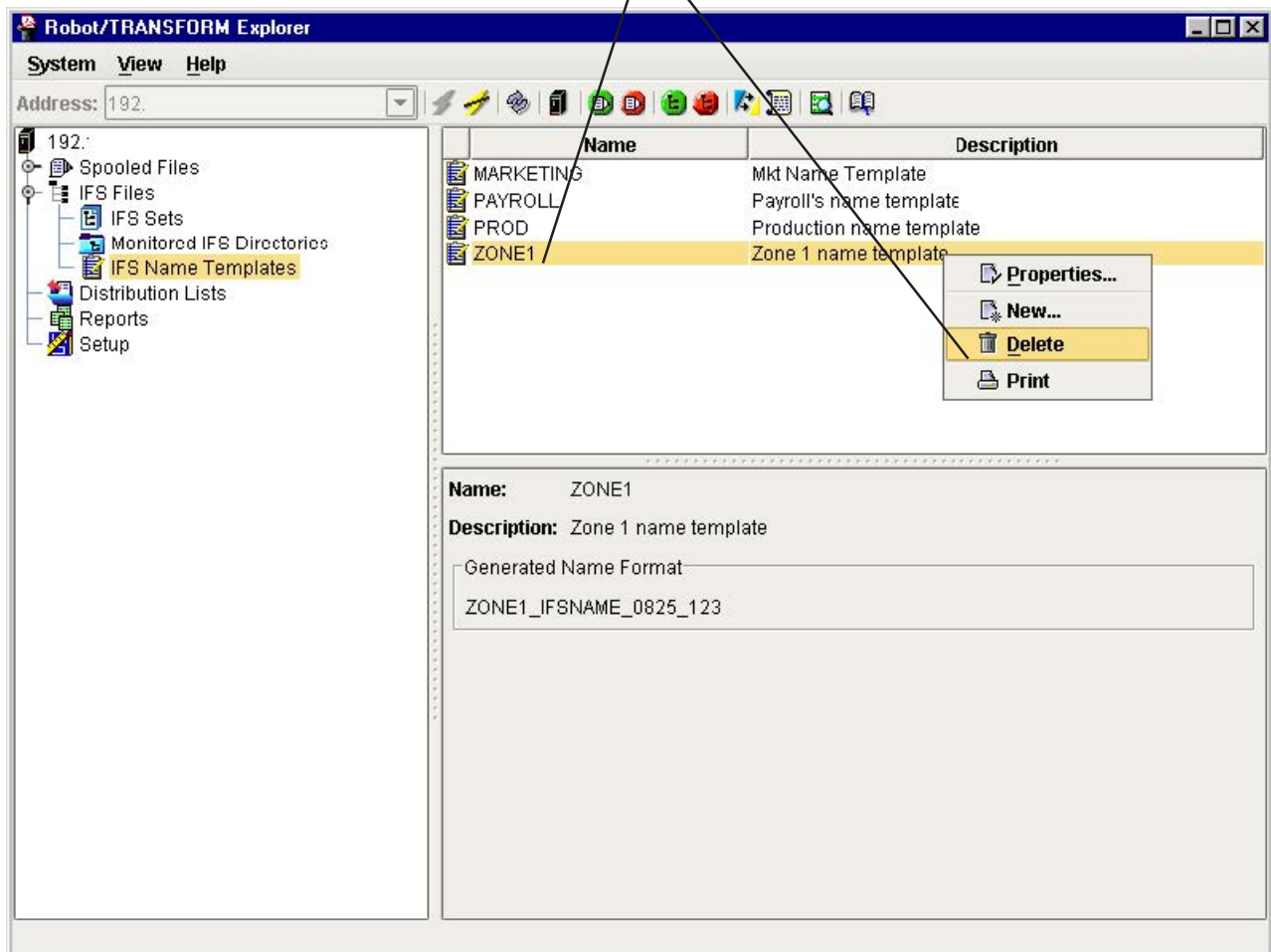
Select a character to separate the attributes in the file name. You can select None, Dash (-), Period (.), Space ( ), or Underscore (\_).

## Deleting an IFS Name Template

If you no longer use a name template to create file names for your converted files, you can delete it. However, you must first delete the name template from each IFS file set that uses it. Display the Output Options tab for each file set and delete the name template. To determine which file sets use a name template, review the Name Templates report. You need Change authority to delete a name template.

In the List view, right-click on a name template and select **Delete**.

Right-click on a name template and select **Delete**.



**Notes:**

# Distribution Lists

### ■ Robot Transform Distribution Lists

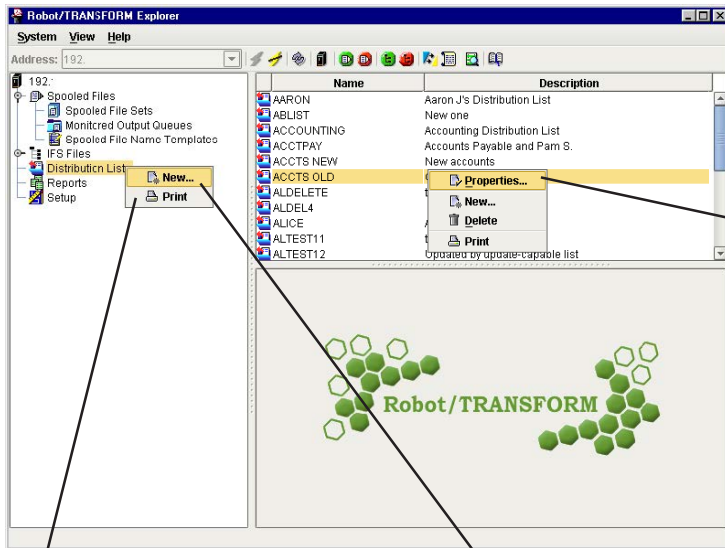
A distribution list allows you to define one or more IFS directories in which to place your converted IFS and spooled files. Robot Transform places a PDF in each directory on the distribution list.

When you create spooled and IFS sets, you can select a distribution list for the converted files from the file set. You can create a distribution list for a specific file that you want only a few users to see. You also can create distribution lists to use more frequently for distributing your daily reports, and so on.

## Defining Distribution Lists

Use the Distribution Lists option to define and edit directory distribution lists for your converted files. When you create spooled file and IFS sets, you can select a distribution list to distribute the converted files.

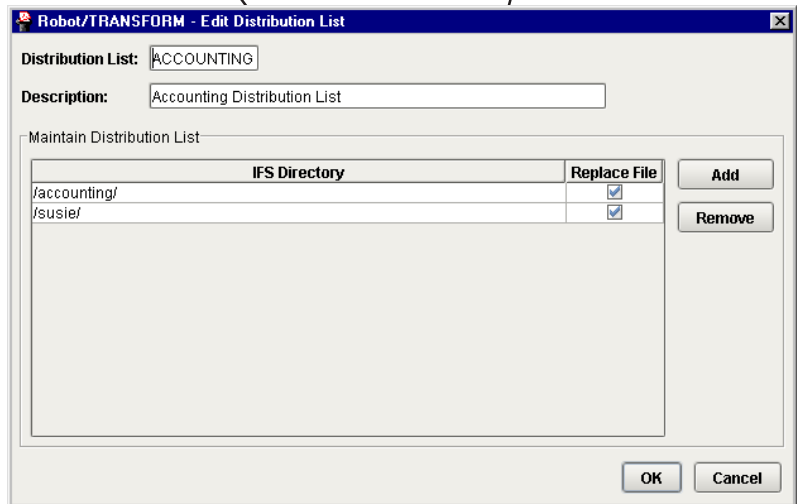
To define a new distribution list, right-click on **Distribution Lists** in the Tree view and select **New**. If you want to modify an existing distribution list, right-click on a distribution list in the List view and select **Properties**. The Edit Distribution List window displays.



Distribution lists already defined in Robot Transform display in the List view. Right-click on a distribution list and select **Properties** to edit it.

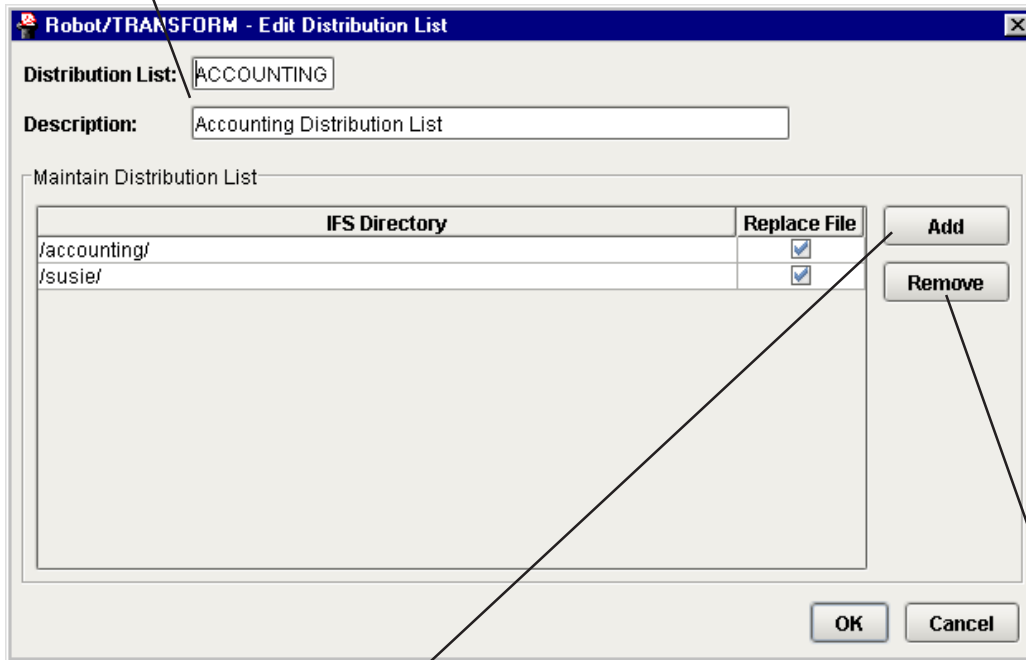
Select **Print** to print the Distribution List report.

Right-click on **Distribution Lists** and select **New** to display the Edit Distribution List window.



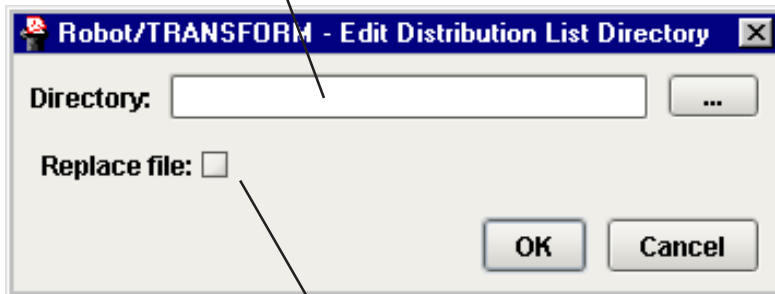
## Defining Distribution Lists

Enter a name and description for the distribution list. The name and description display for an existing distribution list.



Click **Add** to add an IFS directory to the distribution list. The Edit Distribution List Directory dialog box displays. Enter an IFS directory using the format: /directory/. Click the Finder button to select from a list of IFS directories. Click **OK** to add the directory to the distribution list.

To remove an IFS directory from the distribution list, select the directory and click **Remove**.



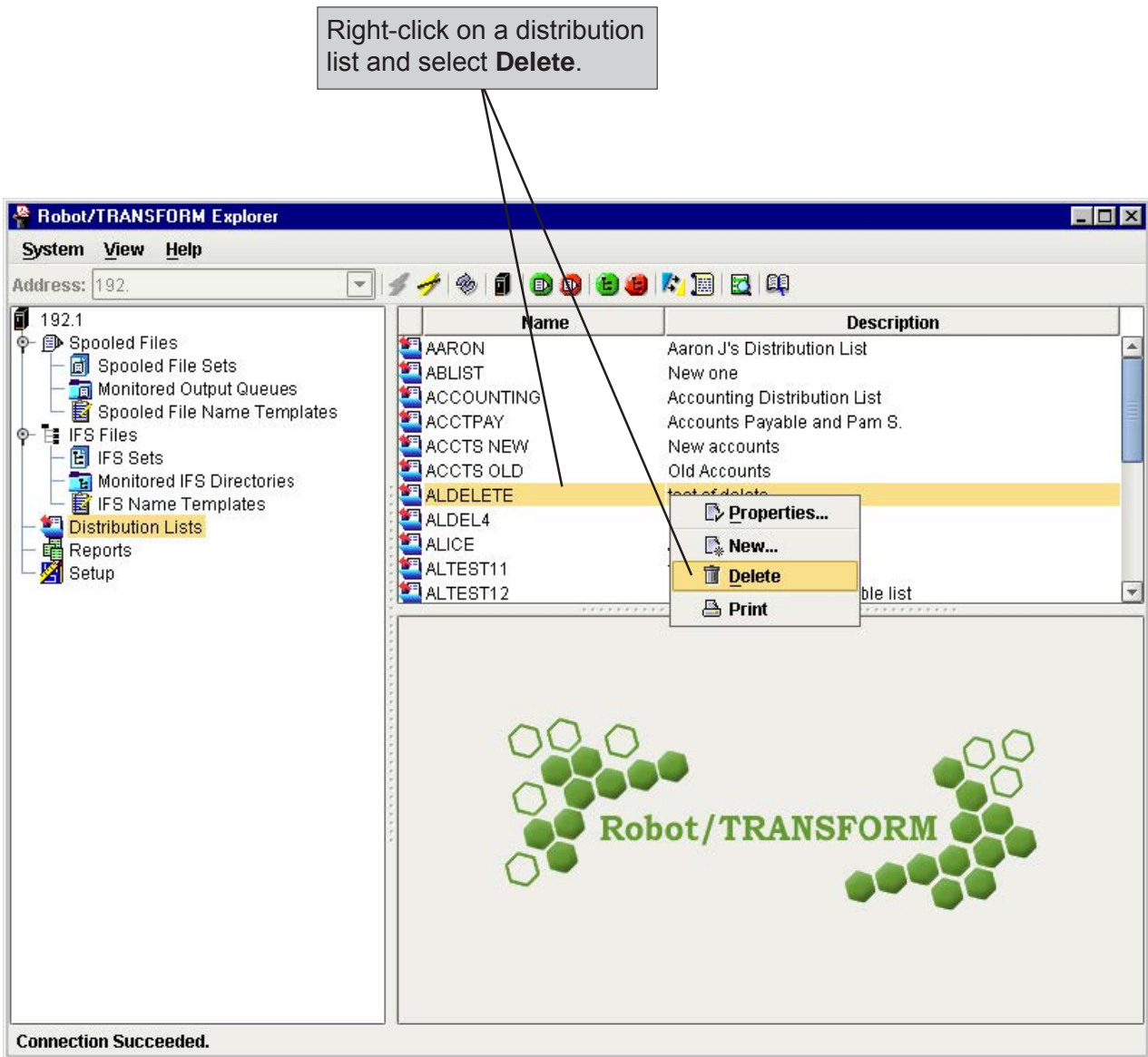
You can specify if you want to replace an existing file in the location, if one already exists.



## Deleting a Distribution List

If you no longer want to distribute files using a distribution list, you can delete it. However, you must first delete the distribution list from each spooled file and IFS set that uses it. To determine which file sets use a distribution list, review the Distribution List report, then display the Output Options tab for each file set and delete the distribution list. You need Change authority to delete a distribution list.

In the List view, right-click on a distribution list and select **Delete**.



**Notes:**

# Reports

### ■ Robot Transform Reports

Robot Transform includes multiple reports to assist you in monitoring and managing your IBM i spooled file and IFS file output. Some reports deal with specific functions in Robot Transform. Other reports list specific conversion information.

You can print Robot Transform reports from the Report option or from the Tree and List views. Selecting the Print option from the Tree view allows you to print a report for all items (for example, Spooled File Sets, IFS Sets, Monitored Output Queues, and so on) defined in Robot Transform.

Selecting the Print option from the List view prints a report for the specific item selected. For example, if you select Print in the List view for a distribution list, you print a report for only the selected distribution list.

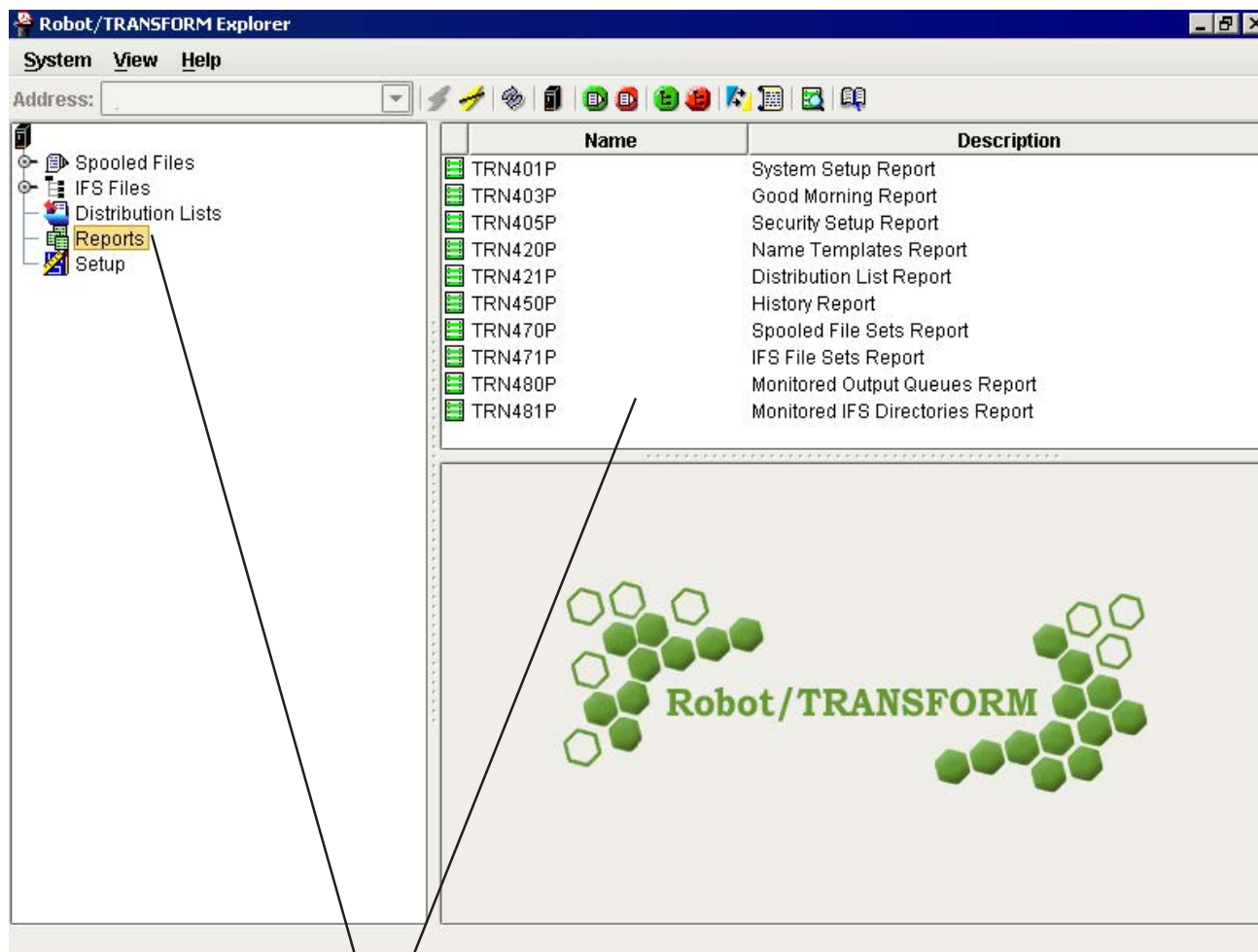
You can print the definition of individual file sets by selecting Print in the List view of Spooled File Sets or IFS Sets.

When you select the Reports option in the Tree view, the Robot Transform reports display in the List view. You can click on the report name in the List view to see a brief summary of the information in a report in the QuickView.

Robot Transform includes a Good Morning report that lists the number of spooled and IFS files converted, the number of failed conversions, and the total number of files processed for the entire system.

## Robot Transform Reports

Click **Reports** in the Tree view to display a list of the Robot Transform reports in the List View. When you click on a report in the List view, a summary of the report displays in the QuickView. You can use this information to determine if you want to print the report.

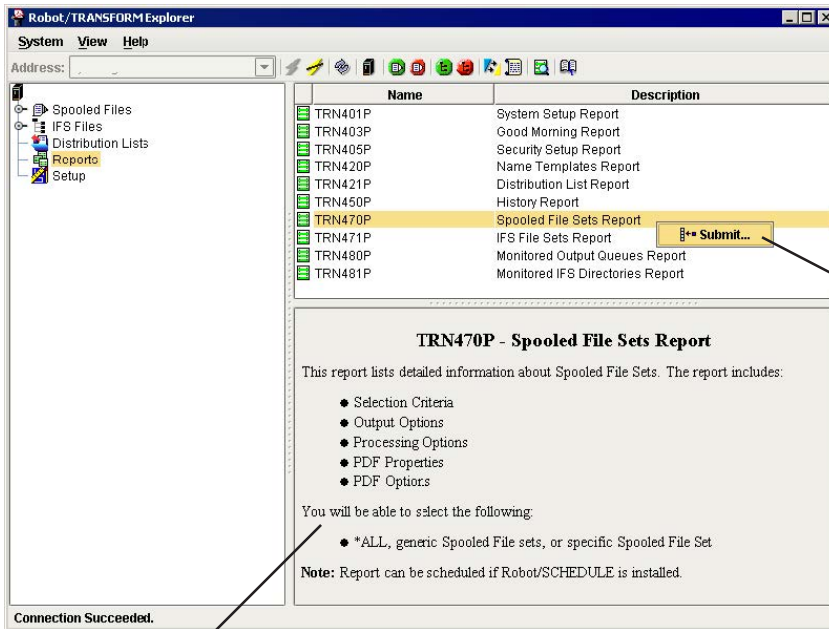


Select **Reports** to display the Robot Transform reports.

## Printing Reports

To print a report, right-click the report name in the List view and select **Submit**. The Submit report dialogue box displays with the name of the report you selected. Use this box to specify the output queue where you want the report to print. For some reports, the Submit dialog box also allows you to specify selection criteria for the report.

You also can print reports by selecting **Print** from any drop down menu where it appears.

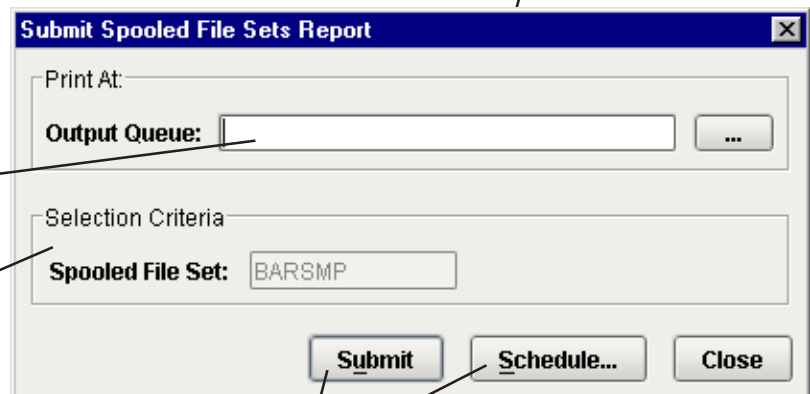


Right-click on the report and select **Submit** to specify an output queue.

When you select a report, a summary of the report displays in the QuickView.

Enter an output queue for the report using the format: library/output queue. Click the Finder button to select from a list of output queues.

Some reports allow you to specify additional selection criteria.

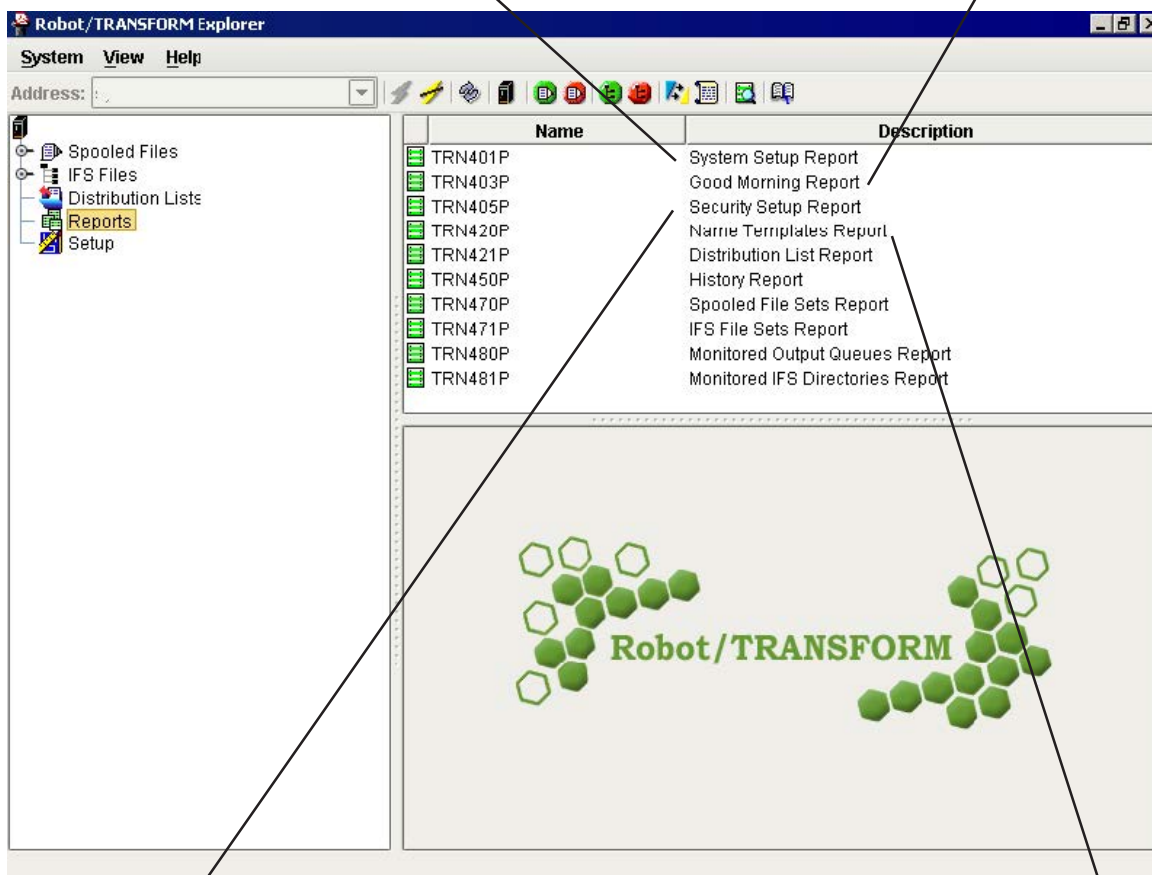


Click **Submit** to submit the print job. If Robot Schedule is installed on your system, click **Schedule** to schedule the print job in Robot Schedule.

## Robot Transform Report Descriptions

Select the **System Setup Report** to print system setup information. The report includes security settings, Robot/NETWORK status escalation information, monitor job options, history purge options, PDF conversion defaults, and PCL options.

Select the **Good Morning Report** to print a summary of file conversions. The report includes the number of spooled and IFS files converted, the number of failed conversions, and the total number of files processed. You can specify a date and time range for the report.



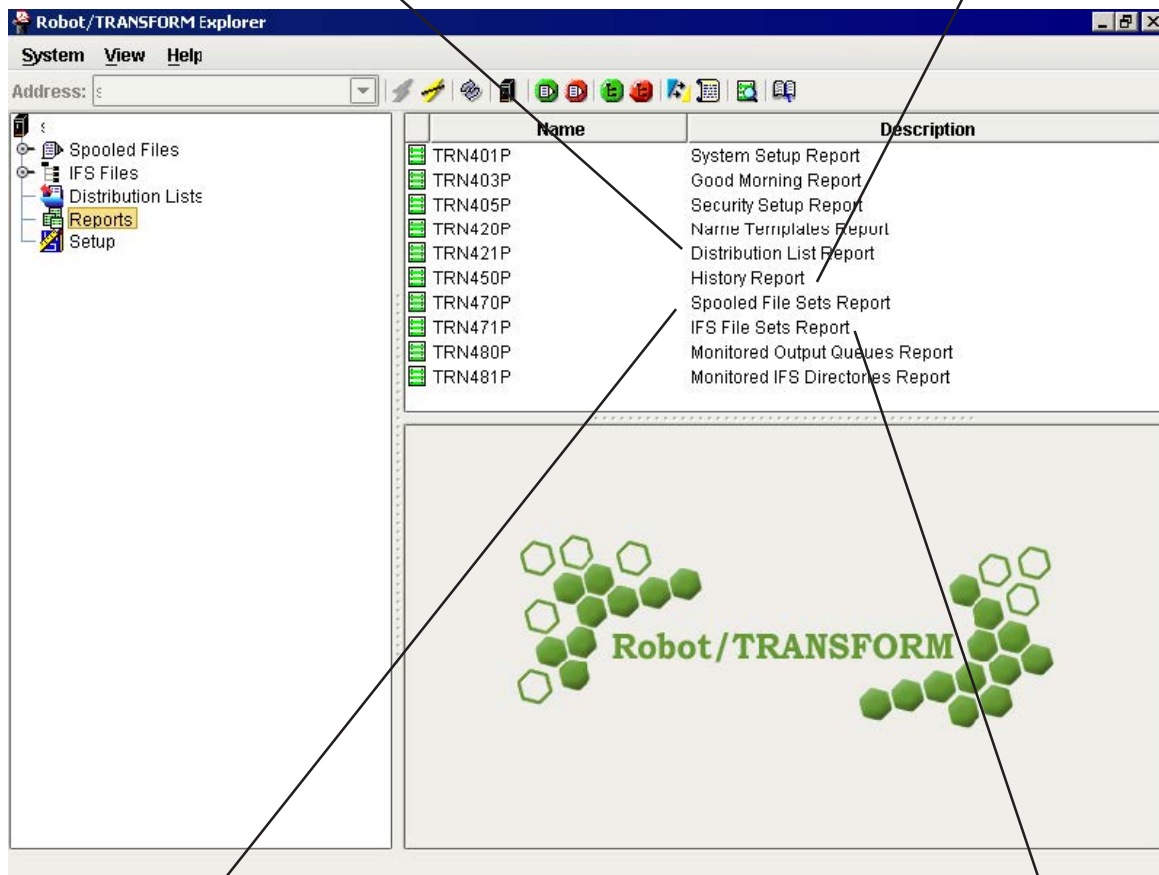
Select the **Security Setup Report** to print Robot Transform security information. The report includes secured users and their assigned roles; secured users who are set up in Robot Transform, but no longer exist on the system; secured objects; and role authority to secured objects.

Select the **Name Templates Report** to print name template information. You can specify a specific name template or print the report for all name templates defined to Robot Transform. You also can select from the following name template types: \*ALL, \*IFS, or \*SPLF.

## Robot Transform Report Descriptions

Select the **Distribution List Report** to print distribution list information. You can specify a specific distribution list or print the report for all distribution lists defined to Robot Transform.

Select the **History Report** to print file conversion history. You can specify a date and time range for the report, limit the report to a specific processing status, and specify whether to print detailed records .



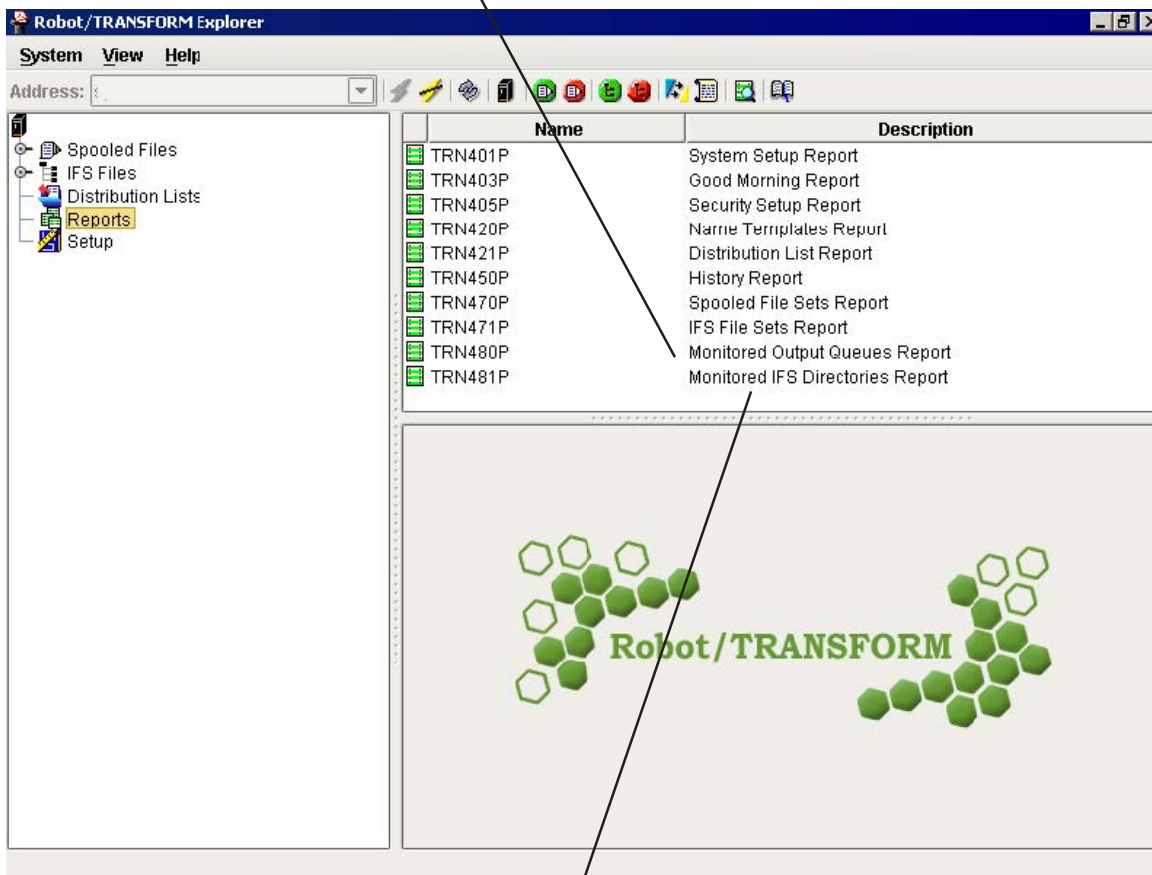
Select the **Spooled File Sets Report** to print detailed information about spooled file sets defined in Robot Transform. The report includes selection criteria, output options, processing options, PDF properties, and PDF options. You can specify to print the report for all spooled file sets, a specific file set, or enter a generic name to print information only for spooled files sets whose name matches the generic pattern you specified.

Select the **IFS File Sets Report** to print detailed information about IFS file sets defined in Robot Transform. The report includes selection criteria, output options, processing options, PDF properties, and PDF options. You can specify to print the report for all IFS file sets, a specific file set, or enter a generic name to print information only for IFS files sets whose name matches the generic pattern you specified.



## Robot Transform Report Descriptions

Select the **Monitored Output Queues Report** to print a list of the output queues Robot Transform is set up to monitor. The report included all monitored output queues and the status of each queue.



Select the **Monitored IFS Directories Report** to print a list of the IFS directories Robot Transform is set up to monitor. The report includes all monitored IFS directories and the status of each directory.

**Notes:**

# Conversion History

### ■ Robot Transform Conversion History

Robot Transform maintains conversion history for spooled and IFS files. If you select History from the System option (displays as the name or IP address of the system Robot Transform is connected to) in the Tree view, you see the conversion history for all spooled files, IFS files, and files converted on-demand. If you select History from the Spooled File Sets or IFS Sets options, you see the conversion history for the se-lected option.

If you select History on a spooled file set or IFS set in the List view, you see the conversion history for the selected file set only.

Robot Transform also allows you to see the history information for on-demand conversions. The On-Demand History button on the tool bar displays the conversion history for only those files converted using the on-demand conversion tool.

You can print conversion history for spooled and IFS files. If you select Print from the System option in the Tree view, you print the conversion history for all spooled files, IFS files, and files converted on-demand. If you select Print from the Spooled File Sets or IFS Sets options, you print the conversion history for the selected option.

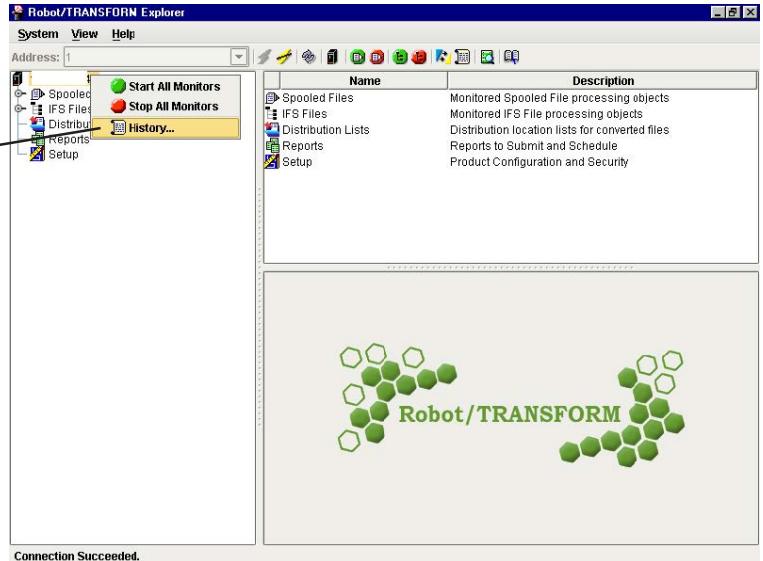
On each of the conversion history window, you have the option of selecting an individual file to print only its conversion history or printing the conversion history of every file in the list.

## Viewing Robot Transform Conversion History

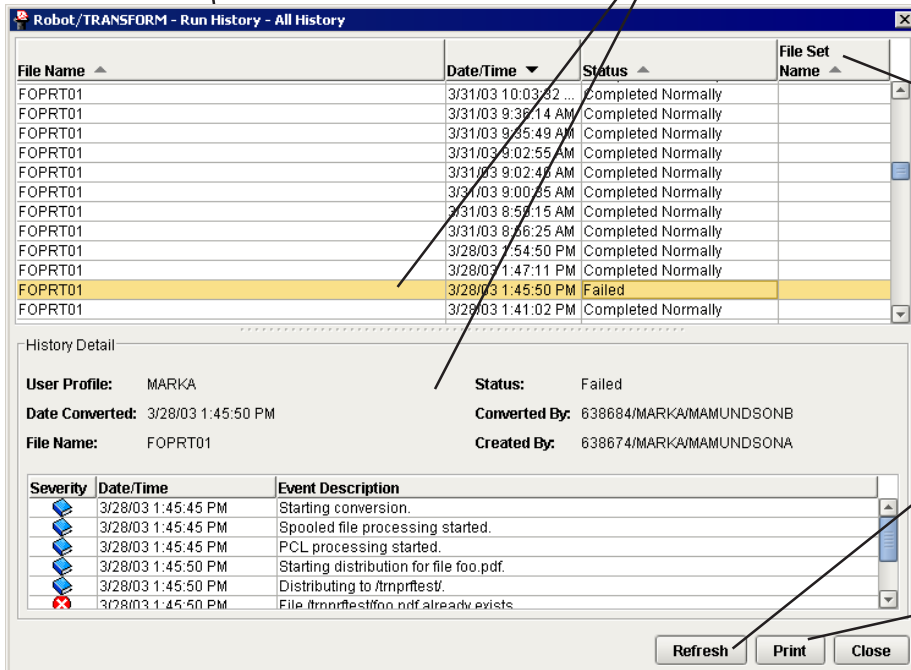
Robot Transform lets you view the conversion history for all spooled and IFS files, just spooled file sets or IFS sets, or individual spooled file or IFS sets. In the Tree view, right-click on the System option and select **History** to display the Run History window. This window displays all spooled and IFS files defined in Robot Transform. Click a file name to display the file's run history in the History Detail section of the window.

To display the run history for all files, right-click on the System option and select **History**. The Run History - All History window.

**Note:** You can display the run history for Spooled Files or IFS Files by selecting **History** from the drop-down menu on those options.



The Run History window displays a list of files defined to Robot Transform. Select a file name to display the conversion history for that file.



You can sort the list of files in ascending or descending order by clicking a column heading.

Click **Refresh** to refresh the information shown on the window.

Click **Print** to print the History Report.

# Conversion History

## Viewing On-Demand Conversion History

Click the On-Demand History button on the tool bar to display the Run History - On Demand Conversions window. Use this window to view and print the on-demand conversion history. Click a file to display its conversion history.



Click the **On-Demand History** button on the tool bar to display the Run History - On-Demand Conversions window. This window displays only the history for on-demand conversions.

File Name	Date/Time	Status	File Set Name
test.pcl	2/10/03 1:19:34 PM	Conversion Started	
Sample2.pcl	3/4/03 12:57:10 PM	Spoiled File Started	
QPCSMPRT	2/24/04 9:50:41 AM	Completed Normally	
<b>FOPRT01</b>	<b>4/3/03 3:28:30 PM</b>	<b>Completed Normally</b>	
wordfont.prn	4/3/03 1:51:01 PM	Completed Normally	
foo.prn	4/3/03 11:40:26 AM	Completed Normally	
TRN420P	4/3/03 10:44:43 AM	Completed Normally	
leslie.prn	4/1/03 12:26:30 PM	Completed Normally	
leslie.prn	4/1/03 9:45:47 AM	Completed Normally	
FOPRT01	3/31/03 10:27:48 ...	Completed Normally	
FOPRT01	3/31/03 10:24:35 ...	Completed Normally	
FOPRT01	3/31/03 10:16:19 ...	Completed Normally	
FOPRT01	3/31/03 10:14:15 ...	Completed Normally	

Severity	Date/Time	Event Description
	4/3/03 3:28:18 PM	Starting conversion.
	4/3/03 3:28:19 PM	Spoiled file processing started.
	4/3/03 3:28:21 PM	PCL processing started.
	4/3/03 3:28:29 PM	Starting distribution for file lesliebank.pdf.
	4/3/03 3:28:29 PM	Distributing to /TRNPrfTest/.
	4/3/03 3:28:29 PM	Distribution completed for 000001 locations.

User Profile: MARKA      Status: Completed Normally  
Date Converted: 4/3/03 3:28:30 PM      Converted By: 647330/MARKA/TRNCVTMD  
File Name: FOPRT01      Created By: 646105/MARKA/MAMUNDSONA

Refresh    Print    Close

Select a file to display its conversion information in the History Detail section.

Click **Print** to print the History Report.

# System Setup

### ■ System Setup and Conversion Defaults

You use the Setup option to define the Robot Transform system and conversion defaults, and to set up product security. When you click Setup in the Tree view, System Setup, Secured Users, and Secured Roles display in the List view.

When you select System Setup, you can specify the output queue and IFS directory monitor job priority. You also can specify the interval at which the IFS monitor searches for new files to convert.

Selecting System Setup also allows you to set the conversion defaults for Robot Transform. You can specify PCL and PDF options, page size, orientation, and page offset for your PDF files. The defaults display when you create spooled file and IFS file sets; however, you can change them for specific file sets.

### ■ Secured Users

The Robot Transform administrator selects Secured Users to display the assigned roles of Robot Transform users. The administrator also can specify and change the authority level of Robot Transform users.

### ■ Secured Roles

The Robot Transform administrator selects Secured Roles to display or specify and change the authority level of Robot Transform roles.

All major system operations display on the Secure Roles window. The Robot Transform administrator can select to exclude a role from a function or give the role Change, View, or Use authority for a function.



## Setup Options

Use the Setup options to set up Robot Transform system and security. In the Tree view, click **Setup** to work with the Setup and Security options.

The screenshot shows the Robot/TRANSFORM Explorer interface. On the left, a tree view contains folders for Spooled Files, IFS Files, Distribution Lists, Reports, and Setup. The Setup folder is selected. The main pane displays a table with the following data:

Name	Description
System Setup	Product Configuration Options and Defaults
Secured Users	Secured User Profiles by Secured Roles
Secured Roles	Secured Role Settings

Below the table is a large area with the Robot/TRANSFORM logo, which consists of green hexagons forming the letters 'R' and 'T'.

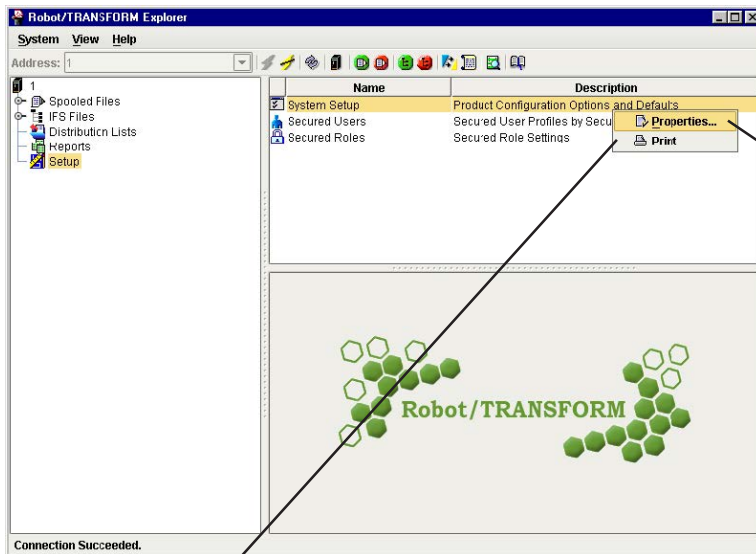
Four callout boxes provide instructions:

- Top-left: Select **Setup** to display the Robot Transform setup and security options.
- Top-right: Select **System Setup** to specify Robot Transform standard setup options and conversion defaults.
- Bottom-left: Select **Secured Users** to assign users specific roles.
- Bottom-right: Select **Secured Roles** to change the authority level of Robot Transform roles.

At the bottom left of the window, the text "Connection Succeeded." is visible.

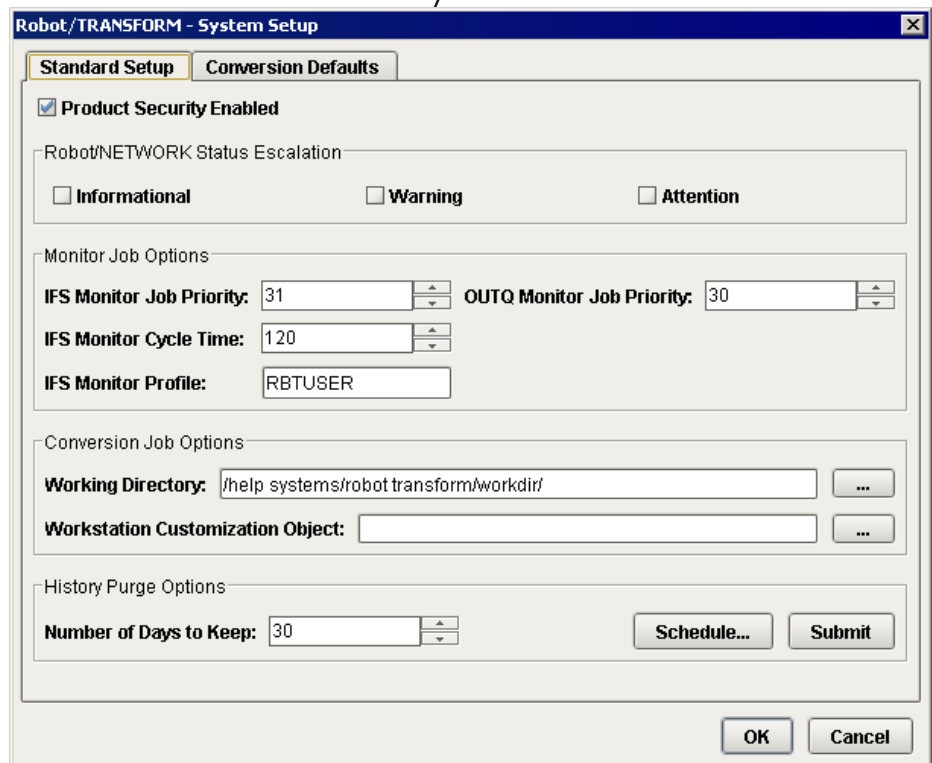
## Setting Up Robot Transform

Use the System Setup option to review or change the standard setup or conversion defaults. In the List view, right-click on **System Setup** and select **Properties**. Use the System Setup window to define your standard setup and specify conversion defaults.



Right-click on **System Setup** and select **Properties** to display the System Setup window.

Select **Print** to print the System Setup report.



## Specifying Standard Setup Defaults

Use the Standard Setup tab to enable and disable product security; change Robot Network status escalation; and set the monitor job, conversion job, and history purge options.

Specify if you want to enable Robot Transform security.

When you disable Robot Transform security, you override all existing secured users and roles. When security is disabled, all users have full authority to Robot Transform. See Setting Up Secured Users and Setting Up Secured Roles, later in this section, for more information.

The screenshot shows the 'Robot/TRANSFORM - System Setup' dialog box with the 'Standard Setup' tab selected. The 'Product Security Enabled' checkbox is checked. Below it, the 'Robot/NETWORK Status Escalation' section has three unchecked checkboxes: 'Informational', 'Warning', and 'Attention'. The 'Monitor Job Options' section includes 'IFS Monitor Job Priority' (31), 'OUTQ Monitor Job Priority' (30), 'IFS Monitor Cycle Time' (120), and 'IFS Monitor Profile' (RBTUSER). The 'Conversion Job Options' section includes 'Working Directory' (/help systems/robot transform/workdir) and 'Workstation Customization Object'. The 'History Purge Options' section includes 'Number of Days to Keep' (30). Buttons for 'Schedule...', 'Submit', 'OK', and 'Cancel' are visible at the bottom.

If you use Robot Network, you can set the Robot Transform status escalation severity to three different levels. If you select them all, three status levels display in the Robot Network status center.

**Informational:** Robot Transform is operating normally.

**Warning:** A problem has occurred, but it does not affect Robot Transform processing. The problem does not require immediate attention.

**Attention:** A problem requiring immediate attention has occurred.

## Specifying Standard Setup Defaults

Specify the default job run priority for the IFS monitor job (TRNIWATCH). You can specify any value between **1** and **99**, where 1 = highest job run priority; 99 = lowest job run priority.

Specify the default job run priority for the spooled file output queue monitor job (TRNQWATCH). You can specify any value between **1** and **99**, where 1 = highest job run priority; 99 = lowest job run priority.

Specify the default IFS monitor cycle time in seconds. You can specify any value between **15** and **3600**. The IFS monitor searches for new files to convert at the interval you specify.

The screenshot shows the 'Robot/TRANSFORM - System Setup' dialog box with the 'Standard Setup' tab selected. The 'Monitor Job Options' section contains the following fields:

- Product Security:** Enabled (checked)
- Robot/NETWORK Status Escalation:** Informational, Warning, and Attention (all unchecked)
- IFS Monitor Job Priority:** 31 (spin box)
- OUTQ Monitor Job Priority:** 30 (spin box)
- IFS Monitor Cycle Time:** 120 (spin box)
- IFS Monitor Profile:** RBTUSER (text field)

The 'Conversion Job Options' section contains:

- Working Directory:** /help systems/robot transform/workdir/ (text field with browse button)
- Workstation Customization Object:** (text field with browse button)

The 'History Purge Options' section contains:

- Number of Days to Keep:** 30 (spin box)

Buttons at the bottom include 'Schedule...', 'Submit', 'OK', and 'Cancel'.

## Specifying Standard Setup Defaults

The Working Directory is where temporary files are placed during file conversions. Robot Transform is shipped with a default working directory. You shouldn't have to change it, but you can specify a different working directory for Robot Transform. Click the Finder button to select from a list of directories.

The workstation customization object is used in the conversion of spooled files. You can specify a new object name if the files you are converting contain print codes that are not properly converted by the default workstation customization object. Contact Technical Support before specifying a new object.

Robot/TRANSFORM - System Setup

**Standard Setup** Conversion Defaults

Product Security Enabled

Robot/NETWORK Status Escalation

Informational  Warning  Attention

Monitor Job Options

IFS Monitor Job Priority: 31 OUTQ Monitor Job Priority: 30

IFS Monitor Cycle Time: 120

IFS Monitor Profile: RBTUSER

Conversion Job Options

Working Directory: /help systems/robot transform/workdir/

Workstation Customization Object:

History Purge Options

Number of Days to Keep: 30

Schedule... Submit

OK Cancel

Specify the number of days to keep history records of the converted files. Any history records older than the number of days you specify are deleted from Robot Transform.

Run the Robot Transform Purge History (TRNPURGE) command to delete the history records. To automate the purge command, you can schedule it in Robot Schedule.

You can submit the purge job immediately or schedule it using Robot Schedule. Click **Submit** to run the purge job immediately. Click **Schedule** to set up a Robot Schedule to purge the history.

## Setting Conversion Defaults

Use the Conversion Defaults tab to set the defaults for converting all files. You can specify PCL and PDF options, and select page size, orientation, and page offset. You see the defaults you specify on this tab when you set up spooled file sets and IFS sets for conversion, and when using the On-Demand conversion tool. This eliminates the need to fill in the fields each time you set up a new file for conversion.

You can change the defaults at any time without affecting the files you already have set up for conversion.

Specify if you want the conversion program to generate a form feed when it encounters an invalid sequence in a PCL file. This option is enabled by default.

Specify if you want to start the parser in Hewlett-Packard Graphics Language (HPGL) mode. If your files contain HPGL only, select this option. If your files contain embedded HPGL, do not select this option.

The screenshot shows the 'Robot/TRANSFORM - System Setup' dialog box with the 'Conversion Defaults' tab selected. The dialog is divided into several sections: 'PCL Options' with checkboxes for 'Generate formfeed from invalid Escape sequence' (checked) and 'Start Parser in HPGL mode' (unchecked); 'PDF Options' with checkboxes for 'Compress PDF Streams' (checked), 'Use PDF Fonts' (unchecked), 'Embed All PCL Fonts' (checked), and 'Make PDF Editable' (checked); 'Page Size' with radio buttons for 'Standard' (selected, set to 'Letter [8.5 x 11 in]') and 'Custom' (with empty input fields); 'Orientation' with radio buttons for 'Portrait' (selected), 'Landscape', 'Reverse', and 'Duplex', and a small icon of a document with a green 'A'; and 'Page Offset' with input fields for 'X' and 'Y', both set to '0'. 'OK' and 'Cancel' buttons are at the bottom right.

Select **Compress PDF Streams** to use standard PDF compression, which produces a smaller file.

Select **Embed All PCL Fonts** to include the font definition in the PDF document. This option overrides **Use PDF Fonts** if both options are selected.

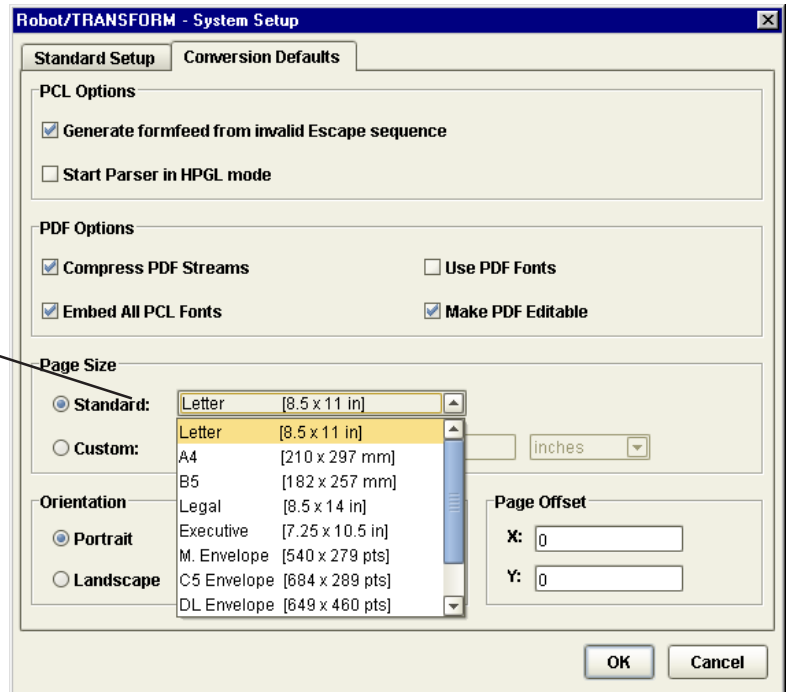
Select **Use PDF Fonts** to use the Adobe Acrobat Reader font most similar to the font used in the original document. The **Embed All PCL Fonts** option overrides this option if both are selected.

Select **Make PDF Editable** to allow users to edit converted PDF files.

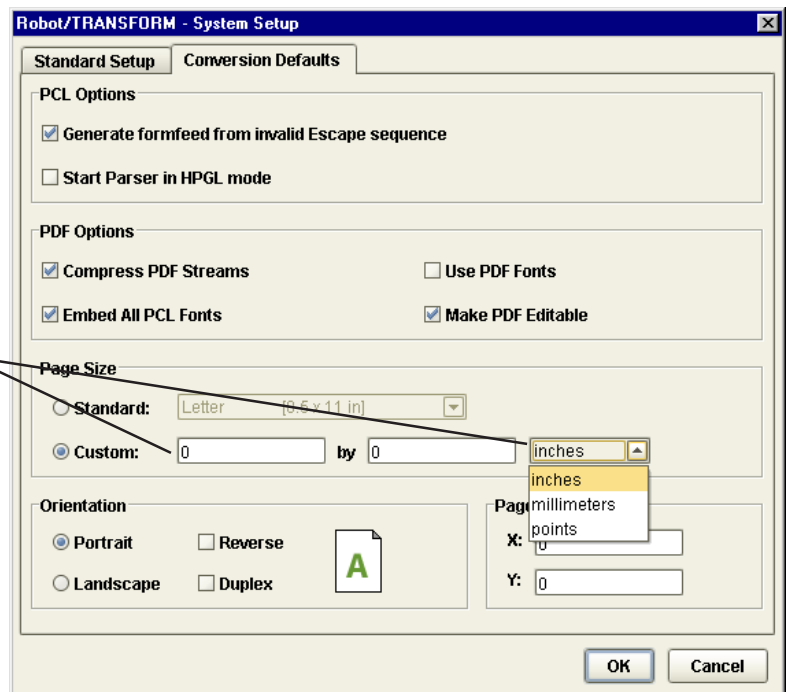
## Setting Conversion Defaults

You can select a standard or custom page size for your converted files. When you select Standard, you can pick from a list of page sizes. If you select Custom, you can specify your own page size.

If you select **Standard**, click the down arrow to select a page size to use for file conversions. Each standard page size has default page width and length values.



If you select **Custom**, click the down arrow to specify a unit of measure and enter page width and length values for the converted file. You can enter values within the following ranges: 1.0 to 45.0 inches; 25.4 to 1143.0 mm; or 72 to 3240 points.



## Setting Conversion Defaults

Select a page orientation for the converted file. You can specify either **Portrait** or **Landscape**. The default page orientation is Portrait.

You also can select up to two secondary orientations:

**Reverse** Rotates the page 180 degrees.

**Duplex** Uses the front and back sides of a page.

If you select both Reverse and Duplex, it rotates the page 180 degrees and uses the front and back of a page.

The orientation guide provides a view to how your documents will appear as you select different orientation options.

The screenshot shows the 'Robot/TRANSFORM - System Setup' dialog box with the 'Conversion Defaults' tab selected. The 'Orientation' section is highlighted with a callout box. The 'Orientation' section contains four radio buttons: 'Portrait' (selected), 'Landscape', 'Reverse', and 'Duplex'. A small icon of a document with a green 'A' is shown next to the 'Portrait' option. The 'Page Offset' section contains two input fields: 'X:' and 'Y:', both with a value of '0'. The 'Page Size' section has a 'Standard' radio button selected with a dropdown menu showing 'Letter [8.5 x 11 in]'. The 'PDF Options' section has four checkboxes: 'Compress PDF Streams' (checked), 'Embed All PCL Fonts' (checked), 'Use PDF Fonts' (unchecked), and 'Make PDF Editable' (checked). The 'PCL Options' section has two checkboxes: 'Generate formfeed from invalid Escape sequence' (checked) and 'Start Parser in HPGL mode' (unchecked). The 'OK' and 'Cancel' buttons are at the bottom right.

Use the Page Offset fields to specify the amount the converted document will be offset from the left and top page edges. The unit of measure used for these options is determined by the value you selected in the Standard Page Size or Custom Page Size fields.

- X** Specifies the amount the document is offset to the right of the left page edge. The value you enter must be between 0 and 1/4 of the page width using the current unit of measure.
- Y** Specifies the amount the document is offset down from the top page edge. The value you enter must be between 0 and 1/4 of the page length using the current unit of measure.



## Setting Up Secure Users

A Robot Transform administrator uses the Secured Users option to specify or change the authority level of Robot Transform users. Any user with \*SECOFR authority automatically has administrator authority to Robot Transform, regardless of any assigned role. This includes users who are not assigned to roles. If you disable product security on the System Setup window, all users have full authority to Robot Transform.

To display the Secure Users window, select **Setup** in the Tree view. Then, in the List view, right-click on **Secured Users** and select **Properties**.

Select **Print** to print the Security Setup report.

All user profiles from the system to which you are connected display in the System User Profiles list. Select a role—Administrator, Operator, or User—to see the users assigned that role in the Users Assigned to Role list.

Right-click on **Secured Users** and select **Properties** to display the Secure Users window.

To add a user profile to a role, select the name on the left and click **Add**. The user is assigned that authority level.

To remove a user profile from a role, select the name on the right and click **Remove**. The user loses those authorities.

**Robot/TRANSFORM - Secure Users**

System User Profiles:	Users assigned to Role:
ALAN	ADMINISTRATOR
ALDONCMS	ADMINISTRATOR
ANGIE	OPERATOR
ANGIEUSER	USER
ARMAND	DB2XML
BILLB	JAMES
BJOHNSON	JIMD
CDUNBAR	
DAN	
DANA	
DARLENE	
DAVEJ	
DAWNY	
DB2XML	

Buttons: Add >, < Remove, Close

## Setting Up Secure Roles

A Robot Transform administrator uses the Secured Roles option to specify or change the authority level of Robot Transform roles. If the product security is disabled on the System Setup window, all users have full authority to Robot Transform.

To display the Secure Roles window, select **Setup** in the Tree view. Then, in the List view, right-click on **Secured Roles** and select **Properties**.

The screenshot shows the Robot/TRANSFORM Explorer interface. The left pane shows a tree view with 'Setup' selected. The main pane shows a table with columns 'Name' and 'Description'. The 'Secured Roles' row is highlighted, and a context menu is open with 'Properties...' and 'Print' options. Callout boxes provide instructions: 'Right-click on **Secured Roles** and select **Properties** to display the Secure Roles window.', 'Select a role for which you want to view or change authority.', and 'Select **Print** to print the Security Setup report.'

Name	Description
System Setup	Product Configuration Options and Defaults
Secured Users	Secured User Profiles by Secured Roles
Secured Roles	Secured Role Settings

Robot/TRANSFORM

Robot/TRANSFORM - Secure Roles

**OPERATOR** | **USER**

- Product Configuration  Exclude
- Distribution Lists  Change
- Product History  View Only
- IFS Sets  Use
- Monitor IFS Directories
- Start and Stop Monitor Jobs
- Monitor Output Queues
- Name Templates
- PDF on Demand
- Product Security

Close

Select a function for which you want to view or change authority. To change the authority for the function, select one of the following authority levels: Exclude, Change, View Only, or Use.

## ■ Robot Transform IBM i Commands

Robot Transform includes several IBM i commands that allow you to start and stop monitoring, change monitoring status, change the processing status of a file, purge processing history, and convert a file to PDF. You can include these commands in another application program and call them when needed, or schedule them to run at regular times using Robot Schedule.

Use the following commands to start and stop monitoring:

<b>TRNSTRQMON</b>	Starts output queue monitoring
<b>TRNENDQMON</b>	Ends output queue monitoring
<b>TRNSTRIMON</b>	Starts IFS directory monitoring
<b>TRNENDIMON</b>	Ends IFS directory monitoring

Use the following commands to change the monitoring status of a specified output queue or IFS directory:

<b>TRNOUTQMON</b>	Allows you to start or stop monitoring a specified output queue
<b>TRNIFSIMON</b>	Allows you to start or stop monitoring a specified IFS directory

Use the following commands to change the processing status of a spooled or IFS file set:

<b>TRNSFPSTS</b>	Allows you to hold or release a spooled file set from processing
<b>TRNIFPSTS</b>	Allows you to hold or release an IFS file set from processing

Use the following command to purge conversion history from Robot Transform

<b>TRNPURGE</b>	Allows you to specify the number of days of history to be retained
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Use the following command to convert a spooled or IFS file to PDF. You can use this command to perform on-demand conversions or include it in another program to convert a file to PDF.

<b>TRNCVTFIL</b>	Allows you to specify how the spooled or IFS file will be converted
------------------	---

## The TRNCVTFIL Command

The Convert file to a PDF (TRNCVTFIL) command allows you to convert an IFS or spooled file to Portable Document Format (PDF). You might use this command from another application so that you can specify how Robot Transform should perform the file conversion. You can specify a file set name to use the values defined by the file set for the conversion. Or, you can perform on-demand conversions by not specifying a file set name and entering the values you want the conversion process to use.

Enter the file type of the file you will be converting. You can enter one of the following:

- \*SPLF** The input file is a spooled file
- \*IFS** The input file is an IFS file

The type of file to be converted determines the remainder of the parameters that display on the command.

Enter the name of the file set that defines how the file is to be converted. If you specify a file set name, most of the parameter values for the command are retrieved from the file set. If you specify \*NONE for the file set name, you will be required to fill in the appropriate parameters for the type of file you are converting.

```

Convert file to a PDF (TRNCVTFIL)

Type choices, press Enter.

File Type . . . . . *SPLF          *SPLF, *IFS
File Set . . . . . *NONE          Name, *NONE
Spooled File . . . . . _____ Character value
Job Name . . . . . *              Name, *
  User . . . . . _____      Name
  Number . . . . . _____     000000-999999
Spooled file number . . . . . *ONLY 1-999999, *ONLY, *LAST
Workstation Customization Obj *DEFAULT Name, *DEFAULT
  Library . . . . . _____     Library, *LIBL
From IFS path . . . . . _____
From IFS file . . . . . _____
To IFS path . . . . . *FROMPATH

F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys
More...
  
```

Enter the name of the spooled file to be converted.

Enter the name of the job that created the spooled file. If you enter a job name, you also must enter the name of the user who ran the job and the job number assigned by the system. Only \*SPLF file types are valid in these fields.

Enter the number of the spooled file to be converted. Specify \*ONLY if only one spooled file exists with the name specified above; specify \*LAST if only the last spooled file with the specified file name and the highest number should be used.

## The TRNCVTFIL Command

The Workstation Customization Object is used to convert spooled files to PDF.

Enter the directory path name of the IFS file to be converted. The path name must begin and end with a forward slash (/), for example, /mydirectory/. You can enter up to 257 characters. Only \*IFS file types are valid in this field.

```

Convert file to a PDF (TRNCVTFIL)

Type choices, press Enter.

File Type . . . . . *SPLF          *SPLF, *IFS
File Set . . . . . *NONE          Name, *NONE
Spooled File . . . . .           Character value
Job Name . . . . . *           Name, *
User . . . . .           Name
Number . . . . .           000000-999999
Spooled file number . . . . . *ONLY      1-999999, *ONLY, *LAST
Workstation Customization Obj . . . . . *DEFAULT  Name, *DEFAULT
Library . . . . .           Library, *LIBL
From IFS path . . . . .           _____
From IFS file . . . . .           _____
To IFS path . . . . . *FROMPATH     _____

F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys
More...
    
```

Enter the file name of the IFS file to be converted. You can enter up to 257 characters. Only \*IFS file types are valid in this field.

Enter the directory path name where the converted file should be distributed. This field is used for both spooled file and IFS file conversions. If you are converting an IFS file, the value \*FROMPATH is the default and places the converted file in the same directory as the input file. If you are converting a spooled file, you can enter any path name, up to 257 characters.

## The TRNCVTFIL Command

Enter the file name for the converted file. This field is used for both spooled file and IFS file conversions. If you leave the default value \*FROMFILE, the converted file is given the same name as the input spooled or IFS file, with an extension of .pdf. If you want to use a different name, you can enter up to 257 characters.

Specify if an existing converted file should be replaced. Enter \*YES to replace the file. The default is \*NO; an existing file will not be replaced.

```
Convert file to a PDF (TRNCVTFIL)

Type choices, press Enter.

To IFS file . . . . . *FROMFILE
-----
Replace Output File . . . . . *NO          *YES, *NO
Alert Recipient . . . . . _____ Character value
Delete input file . . . . . *NO          *YES, *NO
PCL Options:
Generate Form Feed . . . . . *YES        *YES, *NO
Start Parser in HPGL Mode . . . *NO        *YES, *NO
PDF file properties:
Title . . . . . _____
Subject . . . . . _____
Author . . . . . _____
Keywords . . . . . _____

F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys
```

Enter the Robot Alert recipient who should receive the converted file. Robot Transform sends the PDF file as an attachment to the recipient.

Specify if you want to delete the original file from the system after the conversion. Enter \*YES to delete the original file; leave the default value, \*NO, if the original file should not be deleted.

## The TRNCVTFIL Command

You can specify two PCL processing options for the file conversion.

**Generate Form Feed:** The conversion program generates a form feed when it encounters an invalid escape sequence in a PCL file. Enter \*YES to generate a form feed, or \*NO if no form feed should be generated. The default is \*YES.

**Start Parser in HPGL Mode:** Specifies if the parser in Hewlett-Packard Graphics Language (HPGL) mode should be started. Enter \*YES to start the parser. Start the parser if your files contain HPGL only. Enter \*NO if the parser should not be started. Use this value if your files contain embedded HPGL. The default is \*NO.

```

Convert file to a PDF (TRNCVTFIL)

Type choices, press Enter.

To IFS file . . . . . *FROMFILE
-----
Replace Output File . . . . . *NO          *YES, *NO
Alert Recipient . . . . . _____ Character value
Delete input file . . . . . *NO          *YES, *NO
PCL Options:
  Generate Form Feed . . . . . *YES          *YES, *NO
  Start Parser in HPGL Mode . . . *NO          *YES, *NO
PDF file properties:
  Title . . . . . _____
  Subject . . . . . _____
  Author . . . . . _____
  Keywords . . . . . _____

More...
F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys
  
```

You can specify PDF properties for the file conversion. You can enter up to 50 characters each to create a title, subject, author, and keywords for the converted file. Use the keywords to help identify the file; separate each keyword with a space.

## The TRNCVTFIL Command

Use the PDF Options section to specify PDF processing options for the file conversion. You can specify the following options:

**Compress PDF Streams:** Enables standard PDF compression, which produces a smaller file size.

**Embed all PCL Fonts:** Includes the font definition in the PDF file. If you specify \*YES, it overrides the value entered in the Use PDF Fonts field.

**Use PDF Fonts:** Uses the Adobe Acrobat Reader font that is most similar to the font used in the original document. If Embed all PCL Fonts is set to \*YES, that value overrides the value entered in the field.

**Make PDF Editable:** Specify \*YES to allow users to edit the converted PDF file. Specify \*NO if you don't want users to edit the file. Specify \*WST to use the Workstation Customization Object earlier in the command.

```

Convert file to a PDF (TRNCVTFIL)

Type choices, press Enter.

PDF Options:
  Compress PDF Streams . . . . . *YES      *YES, *NO
  Embed all PCL Fonts . . . . . *YES      *YES, *NO
  Use PDF Fonts . . . . . *NO        *YES, *NO
  Make PDF Editable . . . . . *YES      *YES, *NO, *WST
  Page Type . . . . . *STANDARD  *STANDARD, *CUSTOM
  Standard Page Size . . . . . *LETTER   *LETTER, *A4, *B5, *LEGAL...
Custom Page Size:
  Page Width . . . . . 0          1-45in, 25.4-1143mm, 72-3240pt
  Page Length . . . . . 0         1-45in, 25.4-1143mm, 72-3240pt
  Unit of Measure . . . . . *INCH     *INCH, *MM, *PTS
Page Orientation:
  Page Rotation . . . . . *PORTRAIT  *PORTRAIT, *LANDSCAPE
  Reverse . . . . . *NO           *YES, *NO
  Duplex . . . . . *NO           *YES, *NO

More...

F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys
  
```

Specify the page type to be used for the converted file. You can use either a standard page size (\*STANDARD) or select to customize your page size (\*CUSTOM). You specify the actual page size using either the Standard Page Size or Custom Page Size parameters.

Select a standard page size to be used for the converted file. Each standard page size has default page width and length values.

- \*LETTER
- \*A4
- \*B5
- \*LEGAL
- \*EXECUTIVE
- \*MENVELOPE
- \*C5ENVELOPE
- \*DLENVELOPE
- \*TABLOID
- \*A3



## The TRNCVTFIL Command

Use the Custom Page Size fields to specify values to create a customized page size for viewing and printing the converted file. You can specify the following values:

**Page Width:** Specify the width the page should have. You can specify any value within the following ranges: 1–45 in., 25.4–1143 mm, or 72–3240 pt.

**Page Length:** Specify the length the page should have. You can specify any value within the following ranges: 1–45 in., 25.4–1143 mm, or 72–3240 pt.

**Unit of Measure:** Specify the unit of measure used when creating the customized page size. You can select from the following: \*INCH, \*MM, or \*PTS.

```

Convert file to a PDF (TRNCVTFIL)

Type choices, press Enter.

PDF Options:
  Compress PDF Streams . . . . . *YES      *YES, *NO
  Embed all PCL Fonts . . . . . *YES      *YES, *NO
  Use PDF Fonts . . . . . *NO        *YES, *NO
  Make PDF Editable . . . . . *YES      *YES, *NO
  Page Type . . . . . *STANDARD  *STANDARD, *CUSTOM
  Standard Page Size . . . . . *LETTER   *LETTER, *A4, *B5, *LEGAL...
Custom Page Size:
  Page Width . . . . . 0          1-45in, 25.4-1143mm, 72-3240pt
  Page Length . . . . . 0        1-45in, 25.4-1143mm, 72-3240pt
  Unit of Measure . . . . . *INCH   *INCH, *MM, *PTS
Page Orientation:
  Page Rotation . . . . . *PORTRAIT *PORTRAIT, *LANDSCAPE
  Reverse . . . . . *NO         *YES, *NO
  Duplex . . . . . *NO         *YES, *NO
More...

F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys
  
```

Use the Page Orientation fields to specify the orientation of the pages in the converted file. You can specify a primary orientation and up to two secondary orientations. You can specify the following values:

**Page Rotation:** Specifies the page orientation of the converted file. You can select either \*PORTRAIT or \*LANDSCAPE. The default value is \*PORTRAIT.

**Reverse:** Rotates the page 180 degrees.

**Duplex:** Uses the front and back sides of a page.

If you specify \*YES for both Reverse and Duplex, Robot Transform rotates the page 180 degrees and uses the front and back sides of the page.

## The TRNCVTFIL Command

Use the Page Offset fields to specify the amount the converted document will be offset from the left and top page edges. The unit of measure used for these options is determined by the value you selected in the Standard Page Size or Custom Page Size fields.

**X Offset:** Specifies the amount the document is offset to the right of the left page edge. The value you enter must be between 0 and 1/4 of the page width using the current unit of measure.

**Y Offset:** Specifies the amount the document is offset down from the top page edge. The value you enter must be between 0 and 1/4 of the page length using the current unit of measure.

```
Convert file to a PDF (TRNCVTFIL)

Type choices, press Enter.

Page Offset:
  X Offset . . . . . 0      Number
  Y Offset . . . . . 0      Number
Write Logging Information . . . *NO *NO, *YES

F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys

Bottom
```

Specify whether or not a log file should be created for the PDF conversion. The log file is used for troubleshooting conversion problems. The default value for this parameter is \*NO.

## The TRNPURGE Command

Use the Purge History (TRNPURGE) command to purge Robot Transform history records from your system. You can specify the number of days of history to retain. You should schedule the TRNPURGE command to run on a regular basis to remove unneeded history records.

```
Purge History (TRNPURGE)
Type choices, press Enter.
Number of days to keep . . . . . *DFT          0-725, *DFT

F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys
```

Bottom

Specify the number of days of history records to keep. You can specify any number of days from 0 to 725. If you specify a value of 0, all history records are cleared. The default, \*DFT, uses the value specified during system setup as the number of days of history records to retain.

## Robot Transform Monitor Jobs

Robot Transform includes two monitor jobs that run in the RBTSLEEPER subsystem. The monitor jobs, TRNIWATCH and TRNQWATCH, monitor IFS file directories and output queues for files that are to be converted to PDF. You can start these jobs using the Robot Transform Explorer or use Robot Schedule to schedule Robot Transform commands. Use the TRNSTRIMON and TRNSTRQMON commands to start the monitor jobs, and the TRNENDIMON and TRNENDQMON commands to end the jobs.

```

Work with Subsystem Jobs                                04/10/03 13:11:47
Subsystem . . . . . : RBTSLEEPER

Type options, press Enter.
 2=Change 3=Hold 4=End 5=Work with 6=Release 7=Display message
 8=Work with spooled files 13=Disconnect

Opt Job          User      Type    -----Status----- Function
--- ROBOTREOPS   RBTUSER  BATCH  MSGW      PGM-RBT66E
--- ROBOTSBMJ    RBTUSER  BATCH  ACTIVE    PGM-RBT09C
--- ROBOTSBOPS   RBTUSER  BATCH  ACTIVE    PGM-RBT09C
--- TRNIWATCH    RBTUSER  BATCH  ACTIVE    PGM-TRN61E0
--- TRNQWATCH    RBTUSER  BATCH  ACTIVE    PGM-TRN62E0

Parameters or command
===>
F3=Exit   F4=Prompt  F5=Refresh  F9=Retrieve  F11=Display schedule data
F12=Cancel F17=Top    F18=Bottom
    
```

The Robot Transform monitor jobs, TRNIWATCH (for IFS directories) and TRNQWATCH (for output queues), run in the RBTSLEEPER subsystem. These jobs monitor IFS directories and output queues for files to be converted to PDF.

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