Creo Inc.
3700 Gilmore Way
Burnaby, B.C., Canada
V5G 4M1
Tel: 1.604.451.2700
Fax: 1.604.437.9891

Request support:
ecentral.creo.com

www.creo.com

Internal: 734-00165A Rev A
Release date: 20 October 2004

Technical bulletin

Smart Hot Folders in Prinergy 3.0

About Smart Hot Folders....2
Introducing the Smart Hot Folder Manager....4
Before You Create Smart Hot Folders....6
Using Smart Hot Folders to Automate Basic Tasks....7
Using Smart Hot Folders to Automate Multiple Tasks....14
Configuring Smart Hot Folders....21
Smart Hot Folder Dialog Box Options....27
Did the Smart Hot Folder Work?....32
Appendix A: About APA Patterns....33

About Smart Hot Folders

This document provides you with information about smart hot folders, and instructions for creating and using them to automate your Prinergy® workflows.

The smart hot folder is a new Prinergy 3.0 feature. It enables Prinergy to perform tasks automatically when you drop a file into the smart hot folder. You can create a smart hot folder to automatically perform the following tasks:

- Create jobs
- Start workflow processing
- Move files
- Rename files

You can also create a smart hot folder to perform more than one task at a time. This document describes three of the many possible variations:

- Create jobs and start workflow processing
- Create jobs, start workflow processing, and move files
- Create jobs, start workflow processing, and rename and move files

The smart hot folder is a job-independent feature, and can be configured to process files for any jobs.

All smart hot folders are created in the **%Job%\SmartHotFolders** folder. Dropping a file that matches the name of the source file pattern into a smart hot folder automatically initiates the rules configured within the smart hot folder.

How Smart Hot Folders Work

Smart hot folders work using expressions; these expressions employ the same Advanced Production Automation (APA) syntax as automatic page assignment[1].

The expression is made up of two parts: the source file name pattern (source) and the target job name pattern (target). Each source and target pattern must be constructed with valid APA syntax. (For APA syntax rules, see *Appendix A: About APA Patterns* on page 33.)

[1] For more information about the use of APA syntax for automatic page assignment, see the Prinergy Workshop online help.

Each smart hot folder source file name pattern determines what files dropped into the smart hot folder will be accepted. If the smart hot folder is configured to create jobs, the target job name pattern determines the job context of the accepted files.

If the smart hot folder is configured to move files only, the smart hot folder processing is outside of job context. The source file name pattern determines which dropped files will be accepted and then the smart hot folder moves the files according to the rules.

Supported File Formats

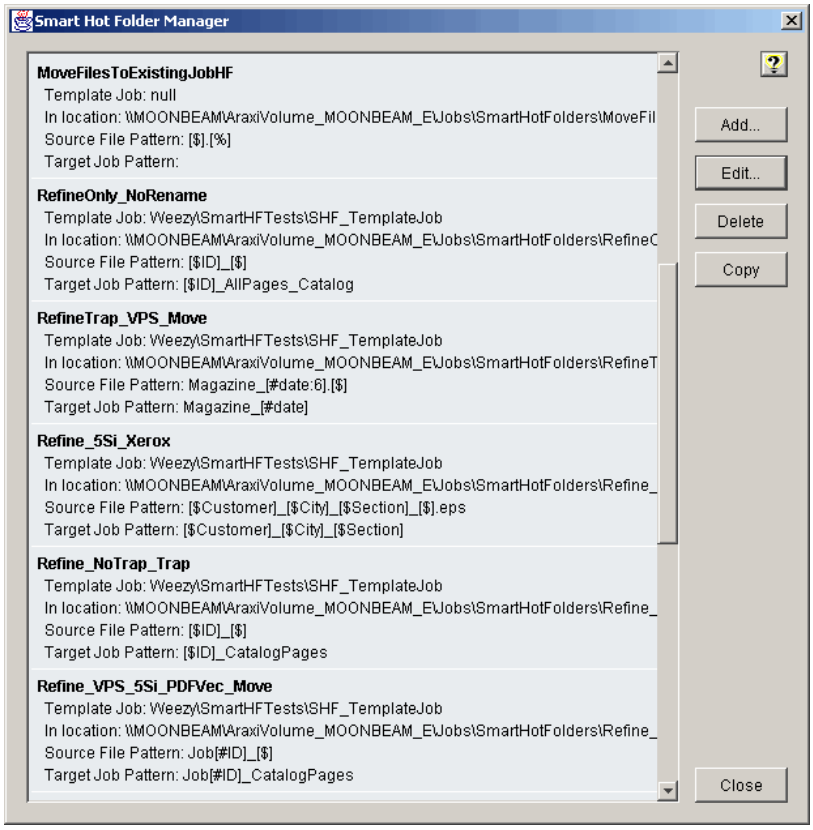
Smart hot folders can accept and process any of the following files:

- Input files (.ps, .pdf., .eps, .tiff,and so on)
- Non-incremental Prinergy exported job files (.zip)
- Imposition plans (.pjtf and .jdf) and marks files (.ps and .pdf)

Introducing the Smart Hot Folder Manager

The Smart Hot Folder Manager is accessible from **Job Finder > Tools > Smart Hot Folder Manager**. When you first open the Smart Hot Folder Manager, the window is blank.

After you create smart hot folders, they appear in the Smart Hot Folder Manager with key configuration details such as the template job name, the smart hot folder location, the source file name pattern, and the target job name pattern.



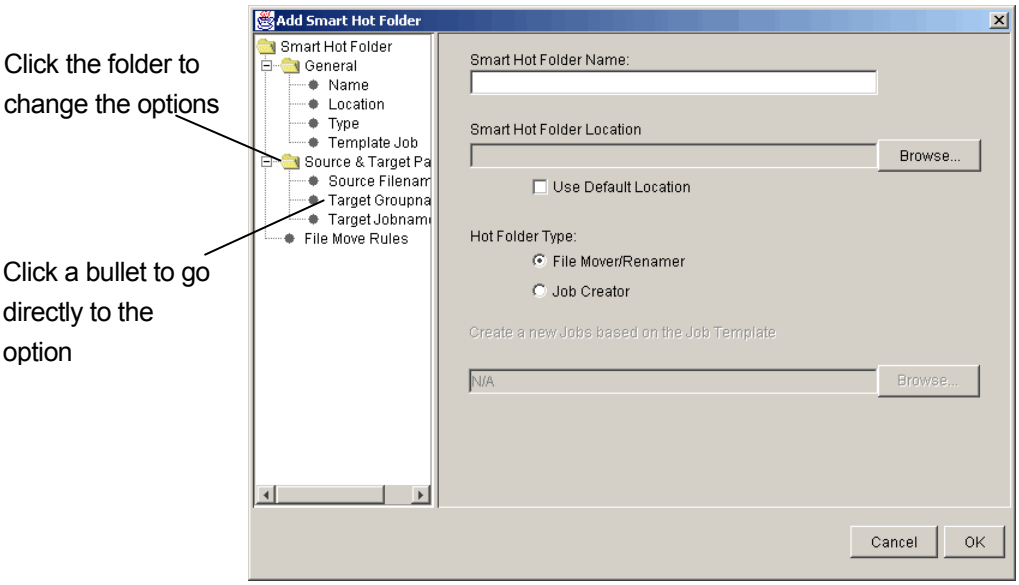
The following table describes the buttons in the Smart Hot Folder Manager.

Button	Description
Add	Opens the Add Smart Hot Folder dialog box, enabling you to add a new smart hot folder.
Edit	Opens the selected smart hot folder for editing.
Delete	Deletes the selected smart hot folder.
Copy	Copies the selected smart hot folder. The new smart hot folder is named **Copy of <SmartHotFolder>** and is configured the same as the original smart hot folder.
Close	Closes the Smart Hot Folder Manager.

Navigating Within the Smart Hot Folder Manager

When configuring the Add Smart Hot Folder dialog box[2], you can change which options appear in the dialog box by clicking one of three folders in the left pane. Each folder in the left pane displays a different set of options. The three folders are: **General**, **Source & Target Patterns**, and **File Move Rules**.

You can also go directly to an option by clicking the option name in the left pane. For example, to go directly to the smart hot folder name, click **Name** under the **General** folder in the left pane.



How the Hot Folder Type Changes the Displayed Options

In the General parameters, under **Hot Folder Type**, the **File Mover/Renamer** and **Job Creator** options further control which options you see in the Add Smart Hot Folder dialog box.

- If you choose the **File Mover/Renamer** option, only the options required to move and rename files are enabled. The options for creating jobs and selecting a template job are disabled.
- If you choose the **Job Creator** option, all options are enabled. With this option selected, you can create jobs, start workflow processing, move files, and rename files.

[2] Information about the Add Smart Hot Folder dialog box also applies to the Edit Smart Hot Folder dialog box.

Before You Create Smart Hot Folders

Ensure you do the following before creating a smart hot folder. For more information about configuring Prinergy, see the Prinergy Workshoponline help.

Before configuring a smart hot folder to create jobs:

- Create a template job.
  The template job can be a pre-job, an existing job, or a template job.

Before configuring a smart hot folder to start workflow processing:

- Create a template job.
  The template job can be a pre-job, an existing job, or a template job.
- Include hot folders in the template job.
  The template job must include hot folders that are associated with process templates and workflow templates. To create multiple loose proof workflow templates, see the *Multiple Loose Proof Workflow Plans* technical bulletin (734-00129A).

Before configuring a smart hot folder to move and rename files:

- Create folders for storage or other purposes.
  Create the folders using Explorer or Finder in Mac OSX. If the storage folders are on another volume, mount the volume using the Prinergy Administrator software. For more information about mounting volumes, see the Prinergy Administrator online help.

Before configuring any type of smart hot folder, review the rules for APA syntax and back-referencing in *Appendix A: About APA Patterns* on page 33.

Using Smart Hot Folders to Automate Basic Tasks

This section describes the four basic tasks you can automate with smart hot folders:

- Creating new jobs
- Starting workflow processing
- Moving files
- Renaming files

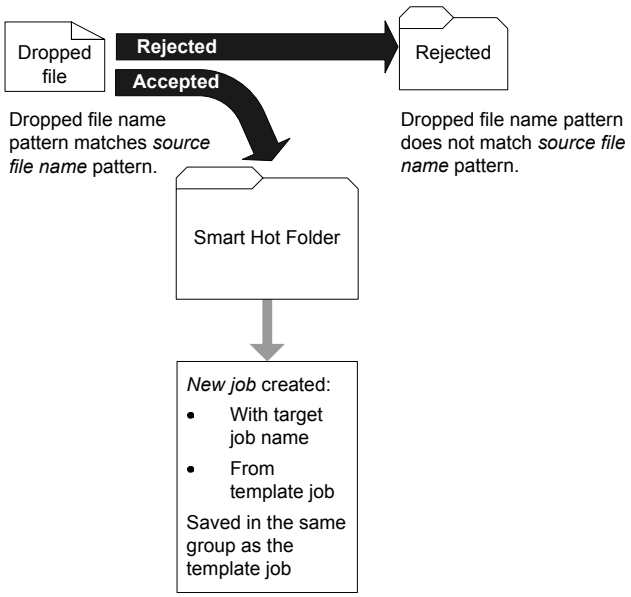
For each of the four tasks, this section describes how the smart hot folder works, illustrates its workflow, and lists the steps to creating this type of smart hot folder.

Before a smart hot folder will perform its tasks, the name of the dropped file must match the smart hot folder's source file name pattern. If the dropped file name does not match, it is rejected and placed in the smart hot folder's **Rejected** folder at **%Jobs% \SmartHotFolders\<Smart Hot Folder Name>\Processed\Rejected**.

Using Smart Hot Folders to Create New Jobs

You can create a smart hot folder to automatically create jobs. When you later drop a file into the smart hot folder, if the file name matches the name of the source file name pattern, the smart hot folder automatically:

- Accepts the file
- Creates a job with the target job name from the template job, and saves it in the same group as the template job



To create a smart hot folder that automatically creates jobs, follow these steps:

1. Add a new smart hot folder.

   See page 22.

2. Configure the smart hot folder to create jobs.

   See page 22.

3. Choose a template job.

   See page 23.

4. Configure the source file name pattern.

   See page 23.

5. Configure the target job name pattern.

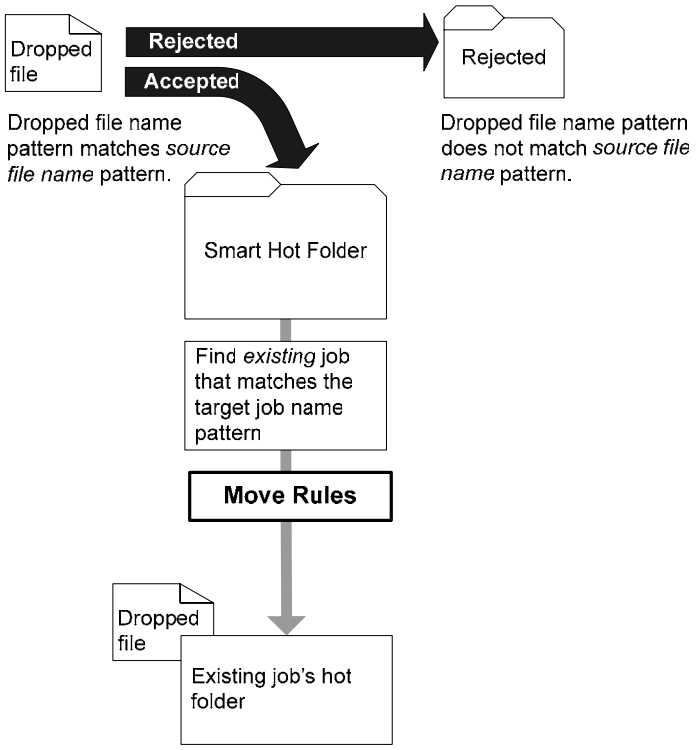
   See page 23.

6. Click **OK** to save the smart hot folder.

Using Smart Hot Folders to Start Workflow Processing within an Existing Job

You can create a smart hot folder to automatically start workflow processing within an existing job. When you later drop a file into the smart hot folder, if the file name matches the source file name pattern, the smart hot folder automatically:

- Accepts the file
- Determines the target job name (based on the back-references to the source file name) and searches for an existing job that matches the target job name. If the smart hot folder does not find an existing job that matches the target job name pattern, it creates a new job for this file.
- Moves the file to the job's hot folder
- Starts workflow processing according to the workflow templates attached to the job hot folder



To create a smart hot folder that automatically starts workflow processing within an existing job, follow these steps:

1. Add a new smart hot folder.

   See page 22.

2. Configure the smart hot folder to create jobs.

   See page 22.

3. Configure the source file name pattern.

   See page 23.

4. Configure the target job name pattern.

   See page 23.

5. Move the file to a job hot folder.

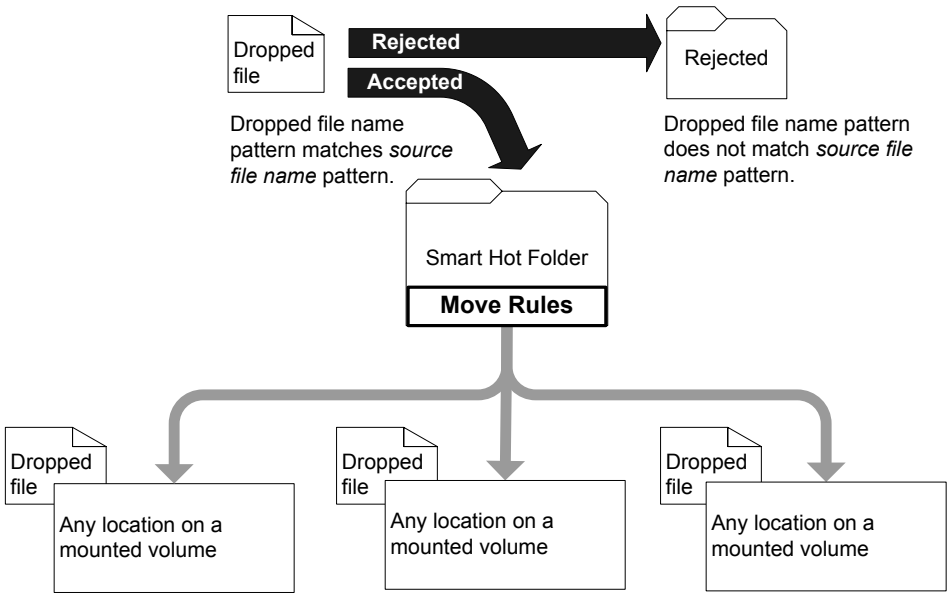
   See page 24.

6. Click **OK** to save the smart hot folder.

Using Smart Hot Folders to Move Files

You can create a smart hot folder to automatically move files to another location for storage, backup, or additional processing. When you later drop a file into the smart hot folder, if the file name matches the source file name pattern, the smart hot folder automatically:

- Accepts the file
- Copies and moves the file according to the move rules. All rules are executed at the same time.



To create a smart hot folder that automatically moves files, follow these steps:

1. Add a new smart hot folder.

   See page 22.

2. Configure the smart hot folder to move/rename files.

   See page 22.

3. Configure the source file name pattern.

   See page 23.

4. Move the file to any location on a mounted volume.[3]

   See page 25.

5. Click **OK** to save the smart hot folder.

[3] If you want to move the file to *more than one* hot folder in a new job, rename the file each time you move it to a new hot folder. For instructions on renaming files, see *Rename the target file name* on page 26.

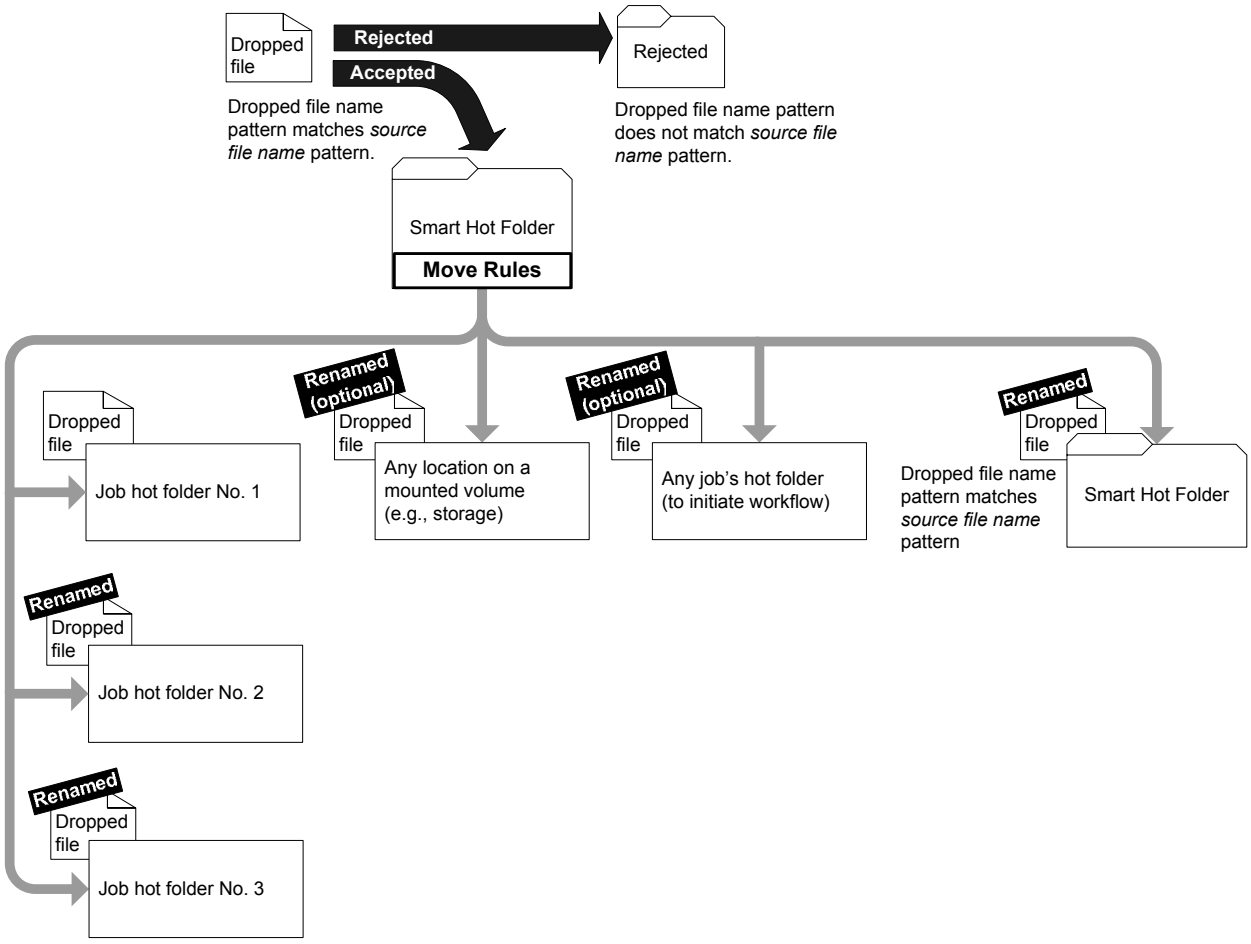
Using Smart Hot Folders to Rename Files

You can create a smart hot folder to automatically rename files. You may want to rename files to:

- Change a customer's file names to conform to your file naming conventions
- Conform to another smart hot folder's source file name pattern
- Move a file to more than one job hot folder

When you later drop a file into the smart hot folder, if the file name matches the name of the source file name pattern, the smart hot folder automatically:

- Accepts the file
- Copies, renames, and moves the file according to the move rules. All rules are executed at the same time



To create a smart hot folder that automatically renames files, follow these steps:

1. Add a new smart hot folder.

   See page 22.

2. Configure the smart hot folder to move/rename files.

   See page 22.

3. Configure the source file name pattern.

   See page 23.

4. Move the file to any location on a mounted volume.[4]

   See page 25.

5. Rename the target file name.

   See page 26.

6. Click **OK** to save the smart hot folder.

[4] If you want to move the file to *more than one* hot folder in the new job, rename the file each time you move it to a new hot folder. For instructions on renaming files, see *Rename the target file name* on page 26.

Using Smart Hot Folders to Automate Multiple Tasks

A key feature of smart hot folders is that you can create a smart hot folder that will automate more than one task at a time. While you can automate many combinations of the four basic tasks, this section describes three possible combinations:

- Create jobs and start workflow processing in the new job
- Create jobs, start workflow processing, and move files
- Create jobs, start workflow processing, move and rename files

When do Dropped Files Create Jobs?

The first file dropped into a smart hot folder will create a job if the following two conditions are met:

- The source file name pattern matches the target job name pattern
- There is no existing job that matches the target job name pattern

Under these two conditions, the smart hot folder names the new job according to the target job name pattern and starts workflow processing on the first dropped file.

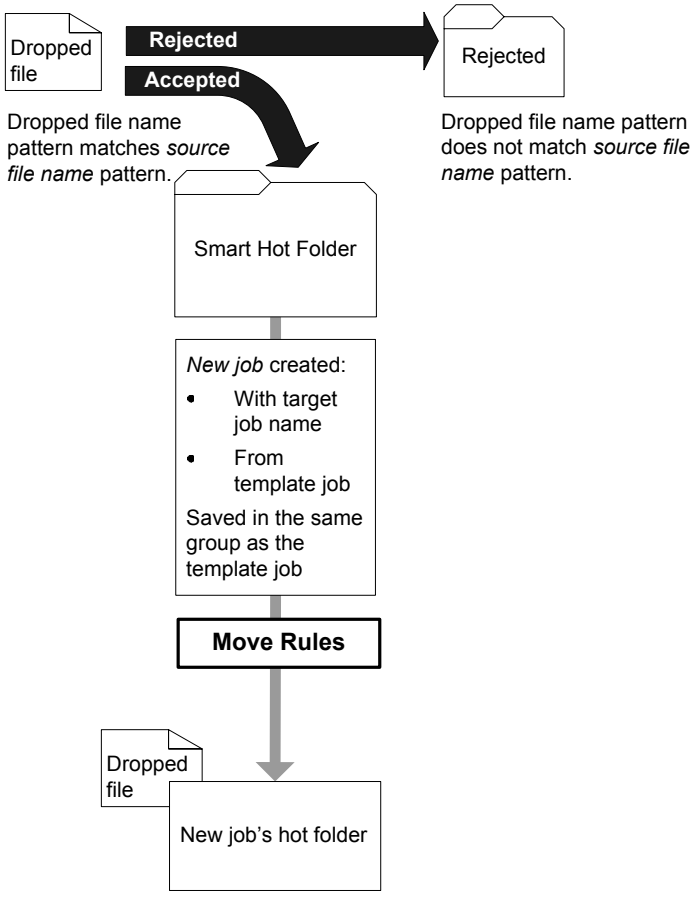
Files that are subsequently dropped into this *same* smart hot folder will be treated as follows:

- Files that *match both* the source file name and target job name pattern are accepted, moved to the now-existing job, and processed.
- Files that match the source file name pattern but *not* the target job name pattern are accepted but create new jobs (as the existing job will not be found).

Using Smart Hot Folders to Create New Jobs and Start Workflow Processing in the New Job

You can create a smart hot folder to automatically create a job and then immediately start workflow processing within that new job. When you later drop a file into the smart hot folder, if the file name matches the source file name pattern, the smart hot folder automatically:

- Accepts the file
- Determines the target job name (based on the back-references to the source file name)
- Creates the job with the target job name from the template job, and saves it in the same group as the template job
- Moves the file to the new job's hot folder
- Starts workflow processing according to the workflow plans attached to the job hot folder



To create a smart hot folder that automatically creates jobs and starts workflow processing within that new job, follow these steps:

1. Add a new smart hot folder.

   See page 22.

2. Configure the smart hot folder to create jobs.

   See page 22.

3. Choose a template job.

   See page 23.

4. Configure the source file name pattern.

   See page 23.

5. Configure the target job name pattern.

   See page 23.

6. Move the file to a job hot folder.

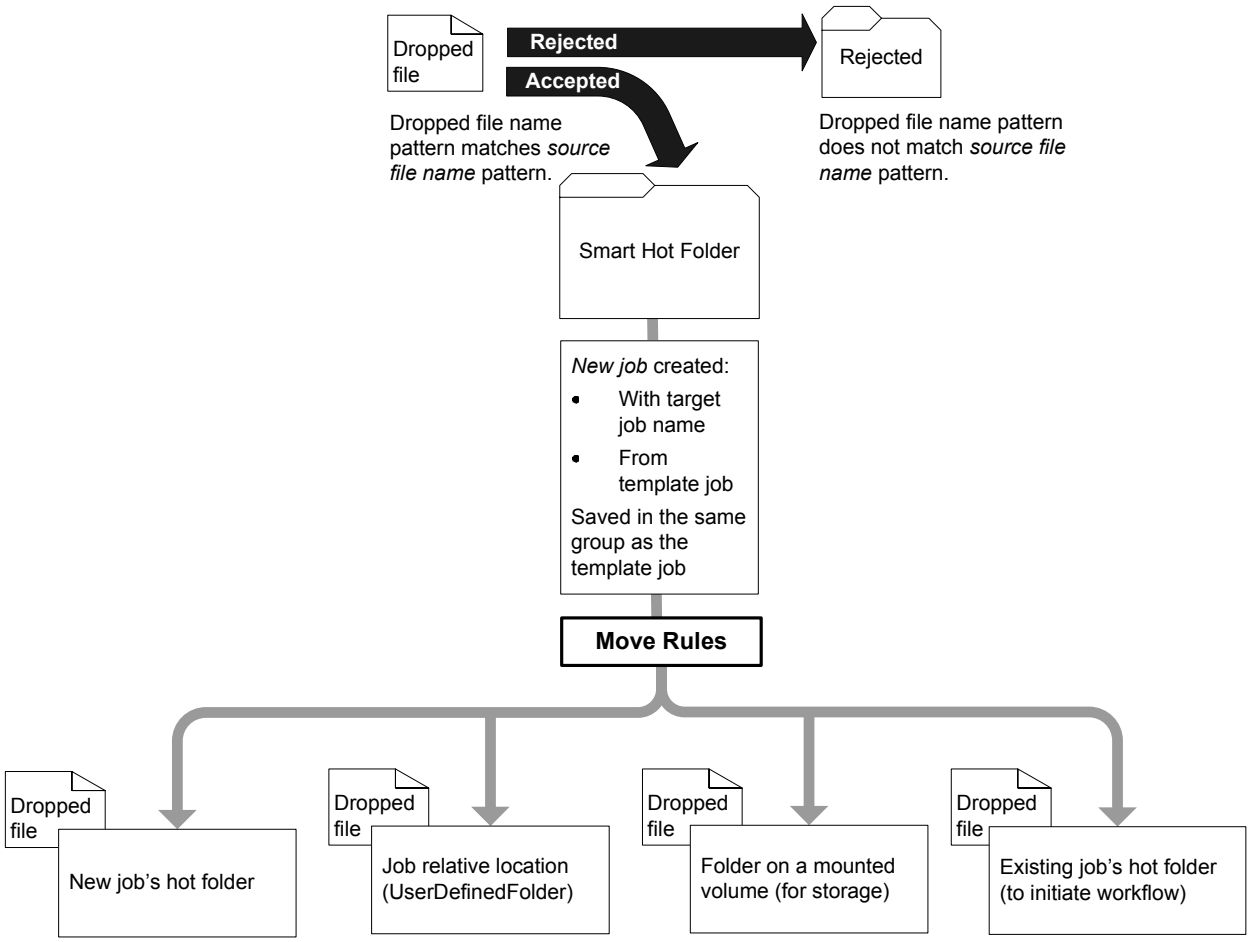
   See page 24.

7. Click **OK** to save the smart hot folder.

Using Smart Hot Folders to Create Jobs, Start Workflow Processing, and Move Files

You can create a smart hot folder to automatically create a job, immediately start workflow processing within that new job, and then move the file to another location for storage or additional processing. When you later drop a file into the smart hot folder, if the file name matches the source file name pattern, the smart hot folder automatically:

- Accepts the file
- Creates the job with the target job name from the template job, and saves it in the same group as the template job.
- Simultaneously copies and moves the file to any of the following locations:
  - The new job's hot folder, initiating workflow processing
  - A job-relative location
  - Any location on a mounted volume
  - Any other existing job's hot folder, initiating workflow processing



To create a smart hot folder that automatically creates jobs, starts workflow processing and moves files, follow these steps:

1. Add a new smart hot folder.

   See page 22.

2. Configure the smart hot folder to create jobs.

   See page 22.

3. Choose a template job.

   See page 23.

4. Configure the source file name pattern.

   See page 23.

5. Configure the target job name pattern.

   See page 23.

6. Move the file to any of the following locations.
   - Move the file to a job hot folder.

     See page 24.

   - Move the file to a job relative location.

     See page 24.

   - Move the file to any location on a mounted volume.

     See page 25.

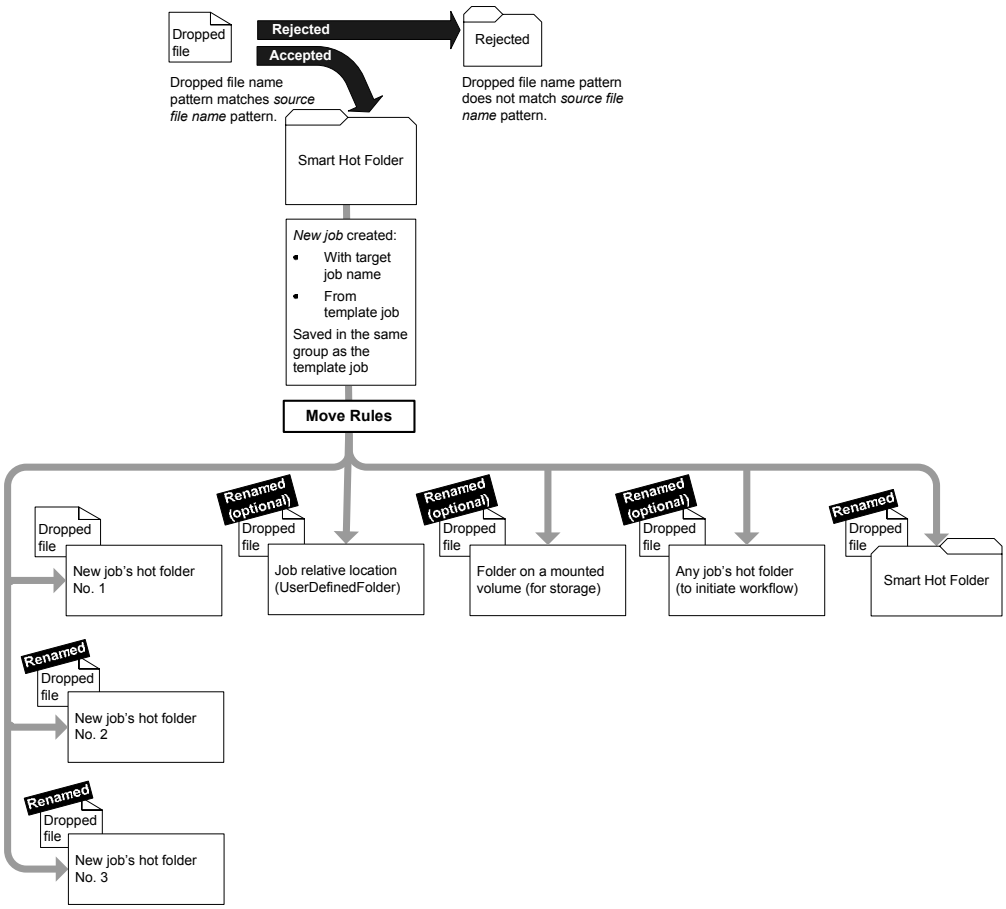
7. Click **OK** to save the smart hot folder.

Using Smart Hot Folders to Create Jobs, Start Workflow Processing, Move and Rename Files

The File Renamer option gives you the flexibility to process the file in more than one job hot folder at the same time, rename a file for acceptance by another smart hot folder, or rename it for any other purpose.

You can create a smart hot folder to automatically create a job, immediately start workflow processing within that new job, rename and move the file to another location. When you later drop a file into the smart hot folder, if the file name matches the source file name pattern, the smart hot folder automatically:

- Accepts the file
- Creates the job with the target job name from the template job, and saves it in the same group as the template job
- Simultaneously copies, renames, and moves the file to any of the following locations:
  - Multiple hot folders in the new job
  - A job-relative location
  - Any location on a mounted volume (including another smart hot folder)



To create a smart hot folder that automatically creates jobs, starts workflow processing, moves and renames files, follow these steps:

1. Add a new smart hot folder.

   See page 22.

2. Configure the smart hot folder to create jobs.

   See page 22.

3. Choose a template job.

   See page 23.

4. Configure the source file name pattern.

   See page 23.

5. Configure the target job name pattern.

   See page 23.

6. Rename and move the file to any of the following locations.
   - Move the file to a job hot folder.

     See page 24.

   - Move the file to a job relative location.

     See page 24.

   - Move the file to any location on a mounted volume.

     See page 25.

7. Click **OK** to save the smart hot folder.

Configuring Smart Hot Folders

Due to the flexibility of smart hot folders, you may not need to configure all of the options in the Smart Hot Folder dialog box. Be sure to configure only the options as listed in the *Procedures Summary Chart,* next, or in the procedure summaries under the various smart hot folder descriptions starting on page 7.

Procedures Summary Chart

Chart 1 summarizes the steps required to configure the basic and multiple tasks described in the preceding section. The instructions for the steps begin on page 22.

Chart 1 Summary of Configuration Steps

Steps	Smart Hot Folder Tasks	Create a job	Start workflow	Move files	Rename files	Create a job, start workflow in new job	Create a job, start workflow in new job, move files	Create a job, start workflow in new job, move files, rename files
Add a new smart hot folder.		✓	✓	✓	✓	✓	✓	✓
Configure the smart hot folder to move/rename files.		×	×	✓	✓	×	×	×
Configure the smart hot folder to create jobs.		✓	✓	×	×	✓	✓	✓
Choose a template job.		✓	×	×	×	✓	✓	✓
Configure the source file name pattern.		✓	✓	✓	✓	✓	✓	✓
Configure the target job name pattern.		✓	✓	×	×	✓	✓	✓
Move the file to a job hot folder. (If moving the file to more than one job hot folder, rename the target file name.)		×	✓	×	×	✓	✓	✓
Move the file to a job relative location.		×	×	×	×	×	✓	✓
Move the file to any location on a mounted volume.		×	×	✓	✓	×	✓	✓
Rename the target file name.		×	If req	If req	✓	If req	If req	✓

Legend:

✓ = this step is required

× = this step is not required

If req = this step may be required to build a valid move rule

Instructions for Configuring Smart Hot Folders

This section provides instructions for configuring a smart hot folder.

Note: Do not configure the Smart Hot Folder dialog box in the order shown in the following pages—not all steps may apply to your type of smart hot folder. To determine which steps apply to your smart hot folder, see the *Procedures Summary Chart* (on page 21) or the procedure summaries under the various smart hot folder descriptions starting on page 7.

For more information about the Smart Hot Folder dialog box options, see *Smart Hot Folder Dialog Box Options* on page 27.

Add a new smart hot folder

1. Start Prinergy Workshop and from the Job Finder **Tools** menu, select **Smart Hot Folder Manager**.
2. Click **Add**.
3. In the **Smart Hot Folder Name** box, type a smart hot folder name.
4. Select the **Use Default location** check box, or click **Browse** and choose a location for the smart hot folder.

Stop! Return to the procedures summary to determine what to configure next.

Configure the smart hot folder to move/rename files

- In the General parameters, under **Hot Folder Type**, click **File Mover/Renamer**.

Stop! Return to the procedures summary to determine what to configure next.

Configure the smart hot folder to create jobs

- In the General parameters, under **Hot Folder Type**, click **Job Creator**.

Stop! Return to the procedures summary to determine what to configure next.

Choose a template job

1. In the General parameters, in the **Create new jobs based on the Job Template** box, click **Browse**.

   The Select Template Job dialog box opens displaying the **Jobs** folder on the Prinergy server.

2. In the list, select the template job.
3. Under **Copy From Selected Jobs**, confirm the **Hot Folder** check box is selected.
4. Click **OK**.

Stop! Return to the procedures summary to determine what to configure next.

Configure the source file name pattern

1. In the left pane, click **Source & Target Patterns**.
2. In the **Source Filename Pattern** box, type the source file name pattern using APA syntax.

   For example, type [#ID]_[$]. For more information about APA syntax, see *Appendix A: About APA Patterns* on page 33.

Stop! Return to the procedures summary to determine what to configure next.

Configure the target job name pattern

1. In the Source & Target Patterns parameters, in the **Target Job Name Pattern** box, type the target job file name pattern. You can type one of the following:
   - A static target job name—for example, Job1234_CatalogPages
   - A variable target job name using APA syntax—for example, [#ID]_CatalogPages. Written correctly, this will back-reference the source file name pattern. For more information about APA syntax, see *Appendix A: About APA Patterns* on page 33

Stop! Return to the procedures summary to determine what to configure next.

Move the file to a job hot folder[5]

1. In the left pane, click **File Move Rules**.
2. Click **Add**.

   A new line appears in the table.
3. In the **Source Filename Pattern** box, type the source file name pattern or select the **Use Smart Hot Folder's Pattern** check box.

   The first cell in the File Move Rules table dynamically populates with the source file name pattern. The text in the table is red until you finish creating a valid move rule.
4. In the **Target Filename Pattern** box, type the target file name (the name of the file once it has been moved) or select the **Rename files** check box to use the same file name pattern as the source file name pattern.

   The text in the table is red until you finish creating a valid move rule.
5. Select **Move to Job Hot Folder**.

   The box turns into a list.
6. In the list, choose a job hot folder.

The move rule is complete and the text in the table changes to black. If the text in the table stays red, the move rule is not valid.

Stop! Return to the procedures summary to determine what to configure next.

Move the file to a job relative location

1. In the left pane, click **File Move Rules**.
2. Click **Add**.

   A new line appears in the table.
3. In the **Source Filename Pattern** box, type the source file name pattern or select the **Use Smart Hot Folder's Pattern** check box.

   The first cell in the File Move Rules table dynamically populates with the source file name pattern. The text in the table is red until you finish creating a valid move rule.

[5] If you want to move the file to *more than one* hot folder in the new job, rename the file each time you move it to a new hot folder. For instructions on renaming files, see *Rename the target file name* on page 26.

4. In the **Target Filename Pattern** box, type the target file name (the name of the file once it has been moved) or select the **Rename files** check box to use the same file name pattern as the source file name pattern.
5. Select **Move to Job Relative Location**.

   The box populates with the path to the new job's **UserDefinedFolders**. You can add a subfolder by typing a backslash and the folder name—for example: **%Job%\UserDefinedFolders\CatalogueSourceFiles**.

   If you type a folder that does not already exist, Prinergy will automatically create it.

Stop! Return to the procedures summary to determine what to configure next.

Move the file to any location on a mounted volume

1. In the left pane, click **File Move Rules**.
2. Click **Add**.

   A new line appears in the table.
3. In the **Source Filename Pattern** box, type the source file name pattern or select the **Use Smart Hot Folder's Pattern** check box.

   The first cell in the File Move Rules table dynamically populates with the source file name pattern. The text in the table is red until you finish creating a valid move rule.
4. In the **Target Filename Pattern** box, type the target file name (the name of the file once it has been moved) or select the **Rename files** check box to use the same file name pattern as the source file name pattern.
5. Select **Move to location**.
6. Click **Browse** and choose where to move the file.

   You can move the file anywhere on a mounted volume such as:

   - A storage folder
   - A smart hot folder
   - Any job hot folder[6]

[6] If you want to move the file to more than one hot folder in a job, rename the file each time you move it to a new hot folder. For instructions on renaming files, see *Rename the target file name* on page 26.

Note: If the text in the table stays red, the move rule is not valid and you must change the target file name. For instructions, see *Rename the target file name*.

Stop! Return to the procedures summary to determine what to configure next.

Rename the target file name

1. In the File Move Rules parameters, in the File Move Rules table, select the row you want to change.
2. If required, clear the **Rename files** check box to make the **Target Filename Pattern** box editable.
3. In the **Target Filename Pattern** box, type a new file name.

   You can add a prefix or suffix to the existing file name, or type a new name.

   The second cell in the File Move Rules table dynamically updates with the new target file name pattern.

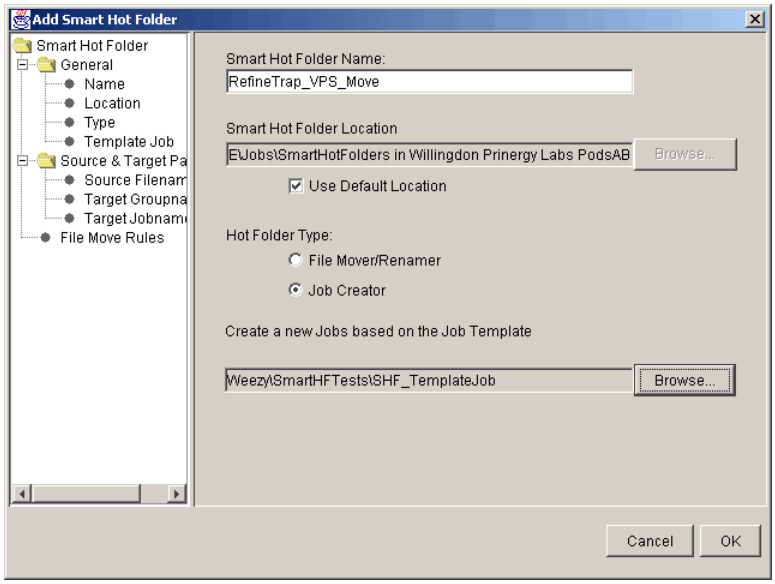
Stop! Return to the procedures summary to determine what to configure next.

Smart Hot Folder Dialog Box Options

This section describes the options in the Smart Hot Folder dialog box. Options that are available when you select the **Job Creator** type in the General parameters are described under the column *When Job Creator is Selected*. Options that are available when you select the **File Mover/Renamer** type in the General parameters are described under the column *When File Mover/Renamer is Selected*. If an option is available when you select either the **Job Creator** or **File Mover/Renamer** type, it is described once under both columns.

General Parameters

Adding a new smart hot folder opens the Add Smart Hot Folder dialog box and shows the General parameters.



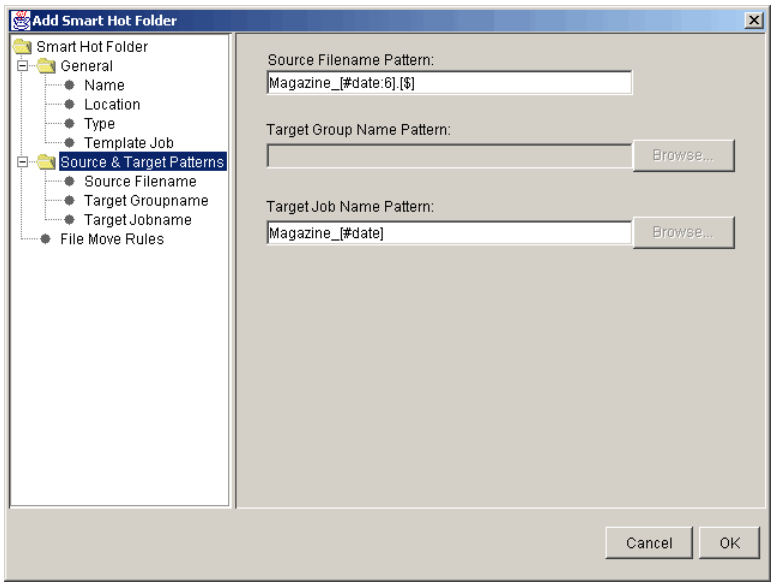
The following table describes the options available when the General folder is selected in the left pane.

Option	When Job Creator is Selected	When File Mover/Renamer is Selected
Smart Hot Folder Name	Type a meaningful name for the smart hot folder.	
Smart Hot Folder Location	Where the smart hot folder will be saved. You can either type the file location, click **Browse** and choose a location, or click the **Use Default Location** check box.	
Browse	Lets you navigate to a volume mounted on the Prinergy server. Choose a volume in which to save the smart hot folder. If the volume you want does not appear, add it using Prinergy Administrator.	
Use Default Location	Populates the **Smart Hot Folder Location** box with the default location. On installation, the default location is the Prinergy server at **%Job%\SmartHotFolders**. If you do not select this option, click **Browse** and choose the smart hot folder location.	

Option	When Job Creator is Selected	When File Mover/Renamer is Selected
File Mover/Renamer	Not applicable.	Configures the smart hot folder to move and rename files, not create jobs. The **Job Template** box becomes unavailable.
Job Creator	Configures the smart hot folder to create jobs or start workflow processing, or both. The file moving and renaming options are also enabled.	Not applicable.
Create a new Job based on the Job Template	Browse and choose the template job or an existing job that you want to use as a template job. In the Select Template Job dialog box, select the **Hot Folder** check box. **Note**: The selected template job *must* have job hot folders with workflow templates.	Not applicable.

Source & Target Patterns Parameters

Click the **Source & Target Patterns** folder in the left pane to display options for setting the source file and job naming patterns.



The following table describes the options available when you select the Source & Target Patterns folder in the left pane.

Option	When Job Creator is Selected	When File Mover/Renamer is Selected
Source Filename Pattern	Using APA syntax, type the file name pattern of the dropped file. The smart hot folder will accept all files that match this source file name pattern. You can make the source file name pattern as generic or as specific as you want. It can contain named patterns as back-references to the target job name. The file name pattern is based on the APA back-referencing syntax. For more information about APA syntax, see *Appendix A: About APA Patterns* on page 33.	
Target Group Name Pattern	Not implemented in this release.	
Target Job Name Pattern	Type the file name pattern for the job you want to use. If no job is found that matches this pattern, a new job is created (based on the job template). This name is based on the back-reference to the file as defined in the **Source Filename Pattern** box. For more information, see *Appendix A: About APA Patterns* on page 34.	Not applicable.

File Move Rules Parameters

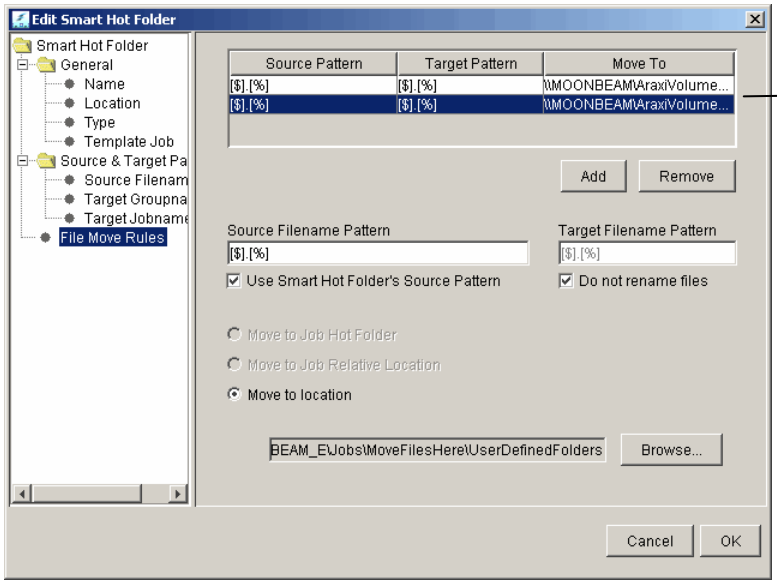
The options in the File Move Rules parameters enable you to specify what actions the smart hot folder takes after a file (that matches the source file name pattern) is dropped into the smart hot folder. As you configure the options, the File Move Rules table dynamically populates with your configuration data.[7]

Each row in the File Move Rules table defines one rule, hence one smart hot folder action. You can make any number of valid rules in the File Move Rules table using any combination of valid file names and move destinations. Because the smart hot folder executes all file move rules at the same time, the order of the rules is not important.

The following table describes the columns in the File Move Rules table.

Column	Description
Source Pattern	The file name pattern of the dropped files.
Target Pattern	The file name pattern of the target file.
Move To	Where the file will be moved. The file can be moved to the new job's hot folder, a job relative location, or any other location (such as any other job hot folder, or a storage folder). The location must be on a volume mounted on the Prinergy server.

[7] Until a rule is valid, it appears in red in the File Move Rules table.



The following table describes the options available when you select the **File Move Rules** folder in the left pane.

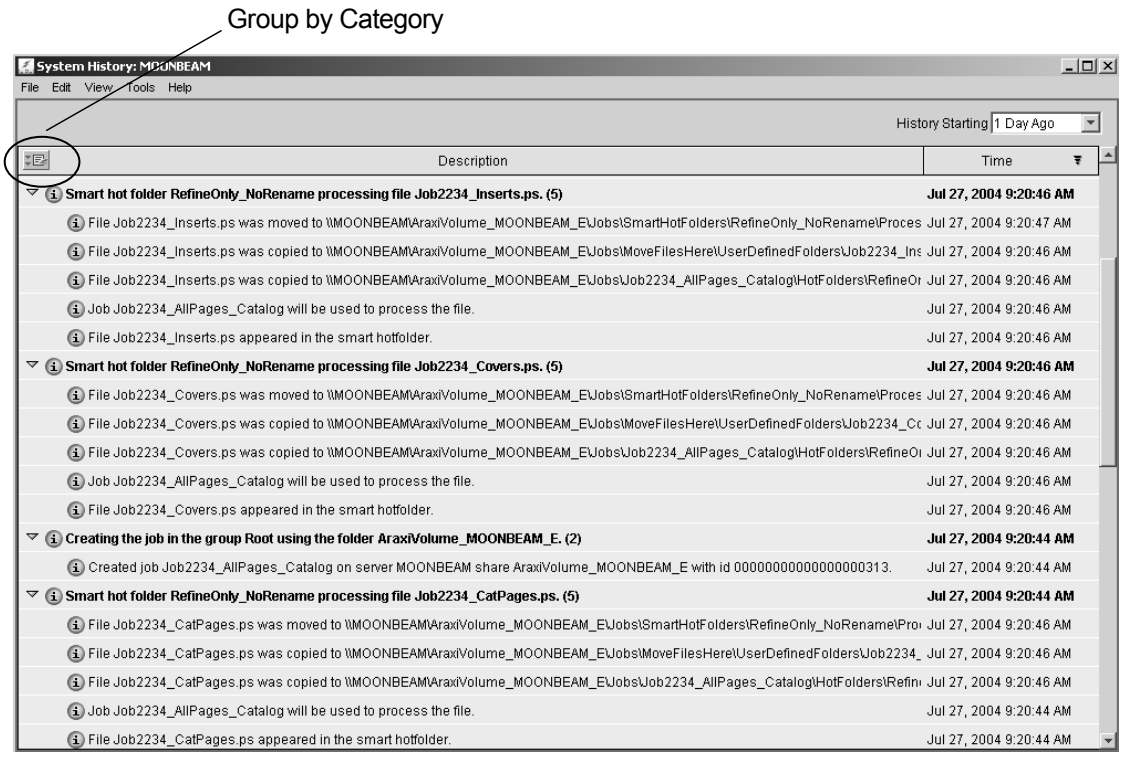
Option	When Job Creator is Selected	When File Mover/Renamer is Selected
Add	Adds a new blank row to the File Move Rules table.	
Remove	Removes the currently selected row from the File Move Rules table.	
Source Filename Pattern	Type the source file name pattern, or click the **Use Smart Hot Folder's Source Pattern** check box to use the source file name pattern from the Source & Target Patterns parameters. Dynamically populates the first cell in the File Move Rules table.	
Use Smart Hot Folder's Source Pattern	Select this check box to use the source file name pattern you configured in the Source & Target Patterns parameters.	
Target Filename Pattern	Type the target file name pattern, or click the **Rename files** check box. If moving a dropped file to more than one hot folder in a new job, add a prefix or suffix to the target file name pattern.	
Rename files	Select this check box to use the file name pattern you configured in the Source & Target Patterns parameters. Clear this check box (after selecting it) to rename the target file name. You must rename the target file name if sending the dropped file to more than one hot folder in a job.	
Move to Job Hot Folder	Select this option to move dropped files to the new job's hot folder. Choose a job hot folder from the list. Only hot folders configured in the template job specified in the General parameters appear in the list.	Not applicable.

Option	When Job Creator is Selected	When File Mover/Renamer is Selected
Move to Job Relative Location	Select this option to move the files to %**Job%\UserDefinedFolders**. If you want to move the file to a sub folder, type a backslash and the sub folder name.	Not applicable.
Move to Location	Select this option to move the file to another location. Click **Browse** and select the location. You can move the dropped file to any location on any volume that is mounted on your server. This could be any hot folder in any existing job, another smart hot folder, or a storage location.	
Browse	Lets you select where you want to move the dropped file. If the volume you want does not appear, add it using Prinergy Administrator.	

Did the Smart Hot Folder Work?

Checking the System History

Processing history for smart folders is accessible from **Job Finder > Tools > System History**. In the System History window, click the Group by Category icon to display the smart hot folder category that lists all smart hot folder events.



If a dropped file is not processed, the system history displays the hot folder error and the location to which the failed file has been moved.



Checking the Job History

When the smart hot folder moves a file to a job's hot folder to start workflow processing, the processing history is reported in the History view of the Job Manager window.

Appendix A: About APA Patterns

About Named Patterns as Back-References

Smart hot folders rely on the use of named patterns using APA syntax. The source file name pattern is used to accept a dropped file and to move or rename this file. (The source file name pattern is not used to search for an existing job or to create a new job.) The target job name pattern is back-referenced to the source file name pattern and is used to find an existing job or create a new job and initiate workflow processing.

The patterns used in back-referencing are user defined. To name a pattern, include a name after the wildcard $, %, or #, and within the square brackets. For example, [$JobID] or [%Ext] or [#Date]. You can use any name you want, but it should be a name that identifies or relates to the information contained in the pattern of the source file name and target job name.

Example

For the purposes of this example, assume that job files are submitted with the following naming pattern: Publication_Date_JobPart.extension.

Job files used in this example are:

- Magazine_040404_InCovers.eps
- Magazine_040404_OutCovers.ps
- Magazine_040404_Pages.pdf

A user wants all job files added to and processed in the same job that references the Publication name and the date (for example, Magazine_040404). Job parts defined in the file name will be ignored. All input files will be processed in one job, not three jobs. This means that JobPart in the file name will not be used as a back-reference in the target job name.

In the smart hot folder, a source file name pattern is defined as *Magazine_[#Date:6]_[$JobPart].[%Ext]*. The target job name is back-referenced as *Magazine_[#Date]*.

The first dropped file <Magazine_040404_InCovers.eps> matches the source file name pattern and is accepted by the smart hot folder. An existing job is *not* found according to the back-reference *Magazine_[#Date]* in the target job name. A new job is created called Magazine_040404. The dropped file starts processing according to the rules configured in the smart hot folder.

The next two dropped files <Magazine_040404_OutCovers.ps> and <Magazine_0404004_Pages.pdf> match the source file name pattern and are accepted by the smart hot folder. The existing job called Magazine_040404 is found that matches the target job pattern *Magazine_[#Date]*. The file processing starts in the existing job according to the rules.

A user drops another input file named <Magazine_Pages.pdf> into the same smart hot folder. The file name does *not* match the source file name pattern *Magazine_[#Date:6]_[$JobPart].[%Ext]* and is rejected by the smart hot folder and moved to the **Rejected** folder.

A user drops another input file named <Magazine_050504_Pages.pdf> into the same smart hot folder. The file name <Magazine_050504_Pages.pdf> matches the source file name pattern *Magazine_[#Date:6]_[$JobPart].[%Ext]* and the target job name pattern *Magazine_[#Date]*, but it does *not* match the existing job name. A new job called Magazine_050504 is created and processing starts according to the rules.

Usage Guidelines for APA Syntax

- To specify the exact number of characters matched by the wildcard, add a colon after the wildcard or description, then the number of characters.
- A named back-reference can follow the wildcard for ease of recognition—for example, [#ID], where ID is the back-reference that appears in both the source and target file names.
- There can only be one wildcard used for each back-reference if the back-reference is not named. For example, you can only include one instance of the [$] wildcard, one instance of the [#] wildcard, and one instance of the [%] wildcard in the back-references within a file name pattern.

Wildcard	Description	Dropped File Name Example	Pattern Naming Example	Back-Reference in Target Job Name	File Name Matches
#	Matches one or more numeric characters (0-9). Must be enclosed in square brackets. [#]	Job_123456789	Job_[#JobID:4]	[#JobID]	Job_1234
%	Matches one or more alphabetic characters (A-Z, a-z). Must be enclosed in square brackets. [%]	JobABCDEF	[%Job]	[%Job]	JobABCDEF
		JobABCDEF	[%:4]	[%]	JobA
$	Matches one or more alphabetic or numeric characters (A-Z, a-z, 0-9). Must be enclosed in square brackets. [$]	Job_123456789	[$Job]	[$Job]	Job123456789
		Job_123456789	[$:6]	[$]	Job_12

For more information on the APA syntax, see the Prinergy Workshop online help.

Examples of Correct Naming Patterns

The following tables outline correct source file name and target job name patterns using APA named back-references. The examples include naming patterns for input files exported job files, and imposition files and marks files.

Examples of Correct Naming Patterns for Input Files

Dropped File Name	Source File Name Pattern	File Accepted?	Target Job Name Back-Reference Pattern-Matching	New Job Name or Existing Job Found
Time_200404_p1.ps Time_200404_p2.eps	Time_[#date:6]_[$page].[$ext]	Yes	TimeMagazine_[#date]	TimeMagazine_200404
Job2234_CatPages.ps Job2234_Covers.eps Job2234_Inserts.ps	[$ID]_[$]	Yes	[$ID]_CatalogPages	Job2234_CatalogPages
XYZ_VA_YP1_0001A_V1.eps	[$Customer]_[$City]_[$Section]_[$].[%ext]	Yes	[$Customer]_[$City]_[$Section]	XYZ_VA_YP1
Magazine_092004.ps	Magazine_[#date:6].[$]	Yes	Magazine_[#date]	Magazine_092004
1234_042004_001.ps 1234_042004_002.ps	[$ID]_[#Date:6]_[$]	Yes	Job[$ID]_[#Date]_Pages	Job1234_042004_Pages

Examples of Correct Naming Patterns for Prinergy Exported Job Files

Dropped File Name	Source File Name Pattern	File Accepted?	Target Job Name Back-Reference Pattern-Matching	New Job Name
JobExport.zip	[$].zip	Yes	[$]	JobExport
Job1234_HubExport.zip	[$ID:7]_[$].zip	Yes	[$ID]_Output	Job1234_Output

Examples of Correct Naming Patterns for Imposition Files

Dropped File Name	Source File Name Pattern	File Accepted?	Target Job Name Back-Reference Pattern-Matching	New Job Name
MyImposition.pjtf MyImposition.pjtf	[$].[%ext]	Yes	[$]	MyImposition

Examples of Naming Patterns That Do Not Work

The following tables show examples of source file name and target job name back-references that either do not work or may not produce the expected result.

Back-Reference Patterns That Do Not Work

Dropped File Name	Source File Name Pattern	Target Job Name Back-Reference Pattern-Matching	Error	Why Back-Reference Pattern Did Not Work
Time_200404_p1.ps Time_200404_p2.eps	Time_[#date:6]_[$page].[$ext]	TimeMagazine_[#date:6]	Source file is accepted but job is not created.	Invalid target job name pattern-matching. You cannot include a character length quantifier (for example, :6) in the target job name.
Job2234.eps Job2234_Covers.eps Job2234_Inserts.ps	[$].[$]	[$]_pages	Source file is accepted but the target job pattern is not matched.	You cannot use a wildcard more than once without naming the back-reference.

Naming Patterns with Insufficient Back-References

Dropped file name	Source File Name Pattern	Target Job Name Back-Reference Pattern-Matching	Comments
Job1234_042004_001.ps Job1234_042004_002.ps	[$].[%]	[$]	Very generic source file name pattern and target name pattern. A new job is created for every input file dropped.
Job1234_042004_001.ps Job1234_042004_002.ps	[$].[%]	Not applicable when the smart hot folder is configured to move files only.	A generic source file name pattern is valid when used to move or rename files.

Naming Patterns With Excessive Back-References

Dropped File Name	Source File Name Pattern	Target Job Name Back-Reference Pattern-Matching	New Job Name or Existing Job Found
Catalog_042004_001.ps Catalog_042004_002.ps	[%]_[#Date:6]_[$].ps	[%]_[#Date]_[$]	[$] at the end of the target job name is too specific and will match anything in the source file name. Remove [$] in the target job name and change target job name to [%]_[#Date]_Pages
XYZ_VA_YP1_0001A_V1.eps XYZ_VA_YP1_0001B_V1.eps XYZ_VA_YP1_0002A_V1.eps XYZ_VA_YP1_0002B_V1.eps	[$Customer]_[$City]_[$Section]_[$Folio]_[$Version].[%ext]	[$Customer]_[$City]_[$Section]_ [$Folio]_[$Version].[%ext]	A new job is created for every file dropped. Target job name is too specific. Do not back-reference entire source file name in the target job name.

About Creo

Creo is a world leader in solutions for the graphic arts industry. Core product lines include image capture systems; inkjet proofers; thermal imaging devices for films, plates, and proofs; professional color and copydot scanning systems; workflow management software; and proofing and printing consumables. Creo is also an original equipment manufacture supplier of on-press imaging technology, components for digital presses, and color servers for high-speed, print-on-demand digital printers. Creo trades under the symbols CREO on NASDAQ and CRE on the Toronto Stock Exchange. www.creo.com

© 2004 Creo Inc. The Creo product names mentioned in this document are trademarks or service marks of Creo Inc. and may be registered in certain jurisdictions. Other company and brand, product, and service names are for identification purposes only and may be trademarks or registered trademarks of their respective holders. Data is subject to change without notice.