

## Configuring

[Configuring](#) / [Configuring the system to use inserters](#) / Using scripts to send inserter control files and receive results files

### Using scripts to send inserter control files and receive results files

RICOH ProcessDirector provides scripts that you can use to send inserter control files to the inserter controller, and to receive inserter results files from the inserter controller.

 **Note:**

- You can use your own script instead of one of the scripts that RICOH ProcessDirector provides. However, the script that you use must accept the same parameters as the RICOH ProcessDirector scripts. For information about all the parameters that the scripts accept, see the prologs of the scripts in directory `/aiw/aiwl/bin`.

When you create an inserter controller object, you specify the script and its parameters in these properties:

- **Control File tab: Send command**
- **Second Control File tab: Send command**
- **Results File tab: Receive command**
- **Results File tab: Polling command**

You can specify different scripts in each property.

[Scripts to transfer inserter files in /aiw/aiwl/bin](#) lists the supplied scripts in directory `/aiw/aiwl/bin`.

Scripts to transfer inserter files in `/aiw/aiwl/bin`

Script	Description
copy_file.sh (Linux) copy_file.pl (Windows)	Copies the inserter control file from the RICOH ProcessDirector spool directory to another directory on the same computer.  Copies the inserter results file or files from a directory on the primary computer to a staging directory.
move_file.sh (Linux) move_file.pl (Windows)	Moves the inserter control file from the RICOH ProcessDirector spool directory to another directory on the same computer.  Moves the inserter results file or files from a directory on the primary computer to a staging directory.
ftp_file.sh (supported on Linux only)	Uses the File Transfer Protocol (FTP) to send the inserter control file from the RICOH ProcessDirector spool directory to a directory on a separate computer.  Uses the File Transfer Protocol (FTP) to receive the inserter results file (or files) from a directory on a separate computer and store the file in a staging directory on the primary computer.
scp_file.sh (supported on Linux only)	Uses the Secure Copy Protocol (SCP) to send the inserter control file from the RICOH ProcessDirector spool directory to a directory on a separate computer.  Uses the Secure Copy Protocol (SCP) to receive the inserter results file (or files) from a directory on a separate computer and store the file in a staging directory on the primary computer.

 **Note:**

- To use this script, the `FTP` command must be installed. To check if the command is installed, enter `which ftp` on the UNIX or Linux command line.

 **Note:**

- To use this script, the `Secure Shell` and `SCP` commands must be installed. To check if the commands are installed, enter `which ssh` and `which scp` on the UNIX or Linux command line.

Script	Description
sftp_file.sh (supported on Linux only)	<p>Uses the Secure File Transfer Protocol (SFTP) to send the inserter control file from the RICOH ProcessDirector spool directory to a directory on a separate computer.</p> <p>Uses the Secure File Transfer Protocol (SFTP) to receive the inserter results file (or files) from a directory on a separate computer and store the file in a staging directory on the primary computer.</p> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>To use this script, the Secure Shell and SFTP commands must be installed. To check if the commands are installed, enter <code>which ssh</code> and <code>which sftp</code> on the UNIX or Linux command line.</li> </ul>

[Parameters to send inserter control files to the inserter controller](#) lists the parameters that you can specify on the supplied scripts to send inserter control files from RICOH ProcessDirector to the inserter controller. Brackets indicate optional parameters.

#### Parameters to send inserter control files to the inserter controller

Script	Parameters to send inserter control files to the inserter controller (Send command)
copy_file.sh (Linux) copy_file.pl (Windows)	<p>-d <i>destination_directory/filename</i>  [-p <i>file_permissions</i>]  [-v]</p>
ftp_file.sh (supported on Linux only)	<p>-d <i>destination_directory/filename</i>  -h <i>host</i>  [-p <i>file_permissions</i>]  -u <i>user_id</i>  [-v]  -w <i>password</i>  -x put</p>
scp_file.sh (supported on Linux only)	<p>-d <i>destination_directory/filename</i>  -h <i>host</i>  [-p <i>file_permissions</i>]  -u <i>user_id</i>  [-v]  -x put</p>
sftp_file.sh (supported on Linux only)	<p>-d <i>destination_directory/filename</i>  -h <i>host</i>  [-p <i>file_permissions</i>]  -u <i>user_id</i>  [-v]  -x put</p>

**Note:**

- Do not specify any parameters in addition to the ones shown in this table. For example, do not specify the `-s` parameter to identify the source directory and filename.

**-d *destination\_directory/filename***

Specifies the destination directory and file name of the inserter control file. In the file name, you can use a RICOH ProcessDirector symbol to include the value of a RICOH ProcessDirector property in the file name. For example, the  `${Job.Inserter.JobID}`  symbol obtains the value of the **Inserter job name** property.

**-h *host***

Specifies the host name of the separate computer.

**-u *user\_id***

Specifies the login name on the separate computer.

**-v**

Specifies the verbose mode to help troubleshoot problems. This parameter is optional.

**-w *password***

Specifies the login password on the separate computer.

**-p *file\_permissions***

Specifies the permissions, in octal format, to set (using the UNIX **chmod** command) on the inserter control file in the destination directory. This parameter is optional. If it is omitted, the script does not set any permissions.

#### **-x put**

Indicates that the inserter control file is to be sent from RICOH ProcessDirector to another system.

[Parameters to receive inserter results files to RICOH ProcessDirector](#) lists the parameters that you can specify on the supplied scripts to receive inserter results files from the inserter controller to RICOH ProcessDirector. Brackets indicate optional parameters.

Parameters to receive inserter results files to RICOH ProcessDirector

Script	Parameters to receive inserter results files (Receive command)	Parameters to receive all inserter results files in a directory (Polling command)
copy_file.sh (Linux) copy_file.pl (Windows)	<code>-s source_directory/filename</code>	<code>-s "source_directory/*"</code>
ftp_file.sh (supported on Linux only)	<code>-h host</code> <code>-s source_directory/filename</code> <code>-u user_id</code> <code>[-v]</code> <code>-w password</code> <code>-x get</code>	<code>-h host</code> <code>-s "source_directory/*"</code> <code>-u user_id</code> <code>[-v]</code> <code>-w password</code> <code>-x get</code>
scp_file.sh (supported on Linux only)	<code>-h host</code> <code>-s source_directory/filename</code> <code>-u user_id</code> <code>[-v]</code> <code>-x get</code>	<code>-h host</code> <code>-s "source_directory/*"</code> <code>-u user_id</code> <code>[-v]</code> <code>-x get</code>
sftp_file.sh (supported on Linux only)	<code>-h host</code> <code>-s source_directory/filename</code> <code>-u user_id</code> <code>[-v]</code> <code>-x get</code>	<code>-h host</code> <code>-s "source_directory/*"</code> <code>-u user_id</code> <code>[-v]</code> <code>-x get</code>

#### Note:

- Do not specify any parameters in addition to the ones shown in this table. For example, do not specify the **-d** parameter to identify the destination directory.

#### **-h host**

Specifies the host name of the separate computer.

#### **-u user\_id**

Specifies the login name on the separate computer.

#### **-v**

Specifies the verbose mode to help troubleshoot problems. This parameter is optional.

#### **-w password**

Specifies the login password on the separate computer.

#### **-s source\_directory/filename**

Specifies the source directory and file name of the inserter results file. The file name can use a RICOH ProcessDirector symbol to include the value of a RICOH ProcessDirector property in the file name. For example, the  **\${Job.Inserter.JobID}**  symbol obtains the value of the **Inserter job name** property.

#### **-s "source\_directory/\*"**

Specifies the source directory that contains the inserter results files. The asterisk (\*) in the file name specifies all files in the directory. Enclose the entire parameter value in quotation marks.

#### **-x get**

Indicates that RICOH ProcessDirector is to receive the inserter results file or files from another computer.

#### Examples

These examples show the scripts that you can specify in the **Send command** property of the inserter controller to send the inserter control file for a job from RICOH ProcessDirector to the inserter controller.

```
copy_file.sh -d /inserter/input/${Job.Inserter.JobID}.icf -p 644ftp_file.sh -x put -h sys1 -u user1 -w pass1 -d /inserter/input/${Job.Inserter.JobID}.icf -p 644scp_file.sh -x put -h sys1 -u user1 -w pass1 -d /inserter/input/${Job.Inserter.JobID}.icf -p 644sftp_file.sh -x put -h sys1 -u user1 -d /inserter/input/${Job.Inserter.JobID}.icf -p 644
```

These examples show commands that you can specify in the **Receive command** property of the inserter controller to receive the inserter results file for a job from the inserter controller to RICOH ProcessDirector:

```
copy_file.sh -s /inserter/output/${Job.Inserter.JobID}.icfftp_file.sh -x get -h sys1 -u user1 -w pass1 -s /inserter/output/${Job.Inserter.JobID}.icfscp_file.sh -x get -h sys1 -u user1 -w pass1 -s /inserter/output/${Job.Inserter.JobID}.icfsftp_file.sh -x get -h sys1 -u user1 -s /inserter/output/${Job.Inserter.JobID}.icf
```

These examples show commands that you can specify in the **Polling command** property of the inserter controller to receive all the inserter results file in a directory from the inserter controller to RICOH ProcessDirector:

```
copy_file.sh -s "/inserter/output/*.icf"ftp_file.sh -x get -h sys1 -u user1 -w pass1 -s "/inserter/output/*.icf"scp_file.sh -x get -h sys1 -u user1 -w pass1 -s "/inserter/output/*.icf"sftp_file.sh -x get -h sys1 -u user1 -s "/inserter/output/*.icf"
```

Parent topic: [Configuring the system to use inserters](#)