



Specifying Directory Authorities and Troubleshooting Mapping Programs

Contents

Specifying Directory Authorities and Troubleshooting Mapping Programs	1
Specifying Directory Authorities	1
Troubleshooting Your Mapping Program	2
Diagnostic Spooled File	2
Error Message 4140 Reason Codes	9

Specifying Directory Authorities and Troubleshooting Mapping Programs

This information is to help you use these functions available with APAR SE19236:

- Specify the authority on directories created by Print Services Facility™ (PSF) when transforming spooled files to Portable Document Format (PDF) and storing them in the integrated file system.
- Several ways to help you troubleshoot your mapping programs:
 - There are new reason codes with extended descriptions for message PQT4140. While PSF will issue the new reason codes, the description of the reason code will not be included in the message until a future release of the system. Therefore it is important that you keep this document.
 - When PQT4140 is issued, a spooled file is written with information to help diagnose the problem.
 - If you write your own mapping programs, you can tell PSF to dump out the data passed to and returned by the mapping program.

Requirements: To use these new functions, install the PTFs for APAR SE19236 on a V5R2 or later-level server.

Specifying Directory Authorities

The PTF for this APAR lets you specify the public data authority for any directories that PSF creates when a mapping program specifies that PDF files are to be written to the integrated file system. The ability applies to customer-written mapping programs as well as PDF map objects.

To specify the public data authority for these directories, specify the PSF defined option PDFDTAAUT on a PSF configuration object. For example, PSFDFNOPT(PDFDTAAUT(*RWX)).

The valid values for PDFDTAAUT are:

***INDIR**

The authority for the directory to be created is determined by the directory it is to be created in. The directory immediately preceding the new directory determines the authority. A directory created in the "root" (/), QOpenSys, or user-defined file system is assigned the same public, private and primary group authority, authorization list, and primary group as the directory it is to be created in. A directory created in QDLS for a folder defaults to *EXCLUDE for a first level folder. If created in the second level or greater, the authority of the previous level is used. The QOpenSys and "root" (/) file systems use the parent directory's Data Authority value. If the value *INDIR is specified, then PSF specifies the value *INDIR for the *PUBLIC object authority.

***RWX**

The user can change the object and perform basic functions on the object except those limited to the owner or controlled by object existence (*OBJEXIST), object management (*OBJMGT), object alter (*OBJALTER) and object reference (*OBJREF) authorities. Read, write, execute (*RWX) authority provides object operational (*OBJOPR) and all data authorities.

- *RW** The user can view and change the contents of an object. Read, write (*RW) authority provides *OBJOPR and data read (*READ), add (*ADD), update (*UPD) and delete (*DLT) authorities.
- *RX** The user can perform basic operations on the object, such as run a program or display the contents of a file. The user is prevented from changing the object. Read, execute (*RX) authority provides *OBJOPR and data *READ and execute (*EXECUTE) authorities.
- *WX** The user can change the contents of an object and run a program or search a library or directory. Write, execute (*WX) authority provides *OBJOPR and data *ADD, *UPD, *DLT, and *EXECUTE authorities.
- *R** The user can view the contents of an object. Read (*R) authority provides *OBJOPR and data *READ authorities.
- *W** The user can change the contents of an object. Write (*W) authority provides *OBJOPR and data *ADD, *UPD, and *DLT authorities.
- *X** The user can run a program or search a library or directory. Execute (*X) authority provides *OBJOPR and data *EXECUTE authorities.
- *EXCLUDE**
The user cannot access the object. The OBJAUT value must be *NONE, if this special value is used.

The value *NONE is not supported for PDDTAAUT.

If you specify a value for PDDTAAUT that is not supported, PSF issues PQT0038 with reason code 5 and terminates.

Message PQT0038

Printer writer *writer* ended because of an error.

Reason code 5

Value not recognized.

Troubleshooting Your Mapping Program

The PTF for this APAR gives you new tools to help you diagnose problems with your mapping program:

- The diagnostic spooled file (PSFTRACE) is written every time PQT4140 is issued, unless the reason code is 15. You can also request that this spooled file is written. See “Diagnostic Spooled File” for more information.
- The reason codes for message PQT4140 are listed in “Error Message 4140 Reason Codes” on page 9.

Diagnostic Spooled File

The diagnostic spooled file is meant to be used with message PQT4140. It gives you in-depth information about your mapping program. Using this information along with the reason code issued with message PQT4140 will help you diagnose problems with your mapping program. PSF produces a spooled file if an error is detected with your mapping program, unless reason code 15 is issued. Therefore, it is possible that you will get another diagnostic spooled file later because a different error is found. This section describes the format of this spooled file and contains an example spooled file. There are two ways the diagnostic spooled file can be written:

- PSF writes a spooled file named PSFTRACE whenever message PQT4140 is issued, except when the reason code is 15. This spooled file lists the fields that

PSF found to be in error. For an example of this spooled file, see “PSF-Requested Spooled File” on page 5.

- You can request that the PSFTRACE spooled file is written. This spooled file lists only the fields used by your mapping program. If you request that the spooled file is written and an error is encountered, one spooled file will be written with both sets of information in it; first the user-requested information and then the error information. For instructions, see “Generating a Dump of Your Mapping Program” on page 5. For an example of this spooled file, see “User-Requested Spooled File” on page 7.

To find PSFTRACE, use the command WRKSPLF QSPLJOB. The spooled file will have the same job number as the PDJ job (one of the three PSF jobs). If a file is being respooled and the mapping program is called, the PSFTRACE dump of the mapping program interface, will be generated for the WTR job. Check for PSFTRACE after the writer has ended.

Format of the PSFTRACE spooled file

The first eight characters of each line in this spooled file describe the data that follows, except when the line is actual input or output. The formats named below, such as Spooled File AFPDS Distribution format correspond to values in the mapping program template. For more information about any of the formats discussed below, refer to the *Infoprint® Server for iSeries™: User's Guide*. These are the possible values with their descriptions:

AFP™ OUTQ

Spooled File AFPDS Distribution format.

ATTACH

Attachments.

BODY FIL

Body files.

BCC The specified BCC e-mail address.

CC The specified CC e-mail address.

EXT AREA

Extension Area format.

INPUT Mapping Program Input information format.

ISF FORM

Individual Stream File Information format.

MAP OBJ

Name of PDF map object, if used.

MAP PGM

Library-qualified name of mapping program.

OFFSET

The offset at which the field in error is found in the mapping program. This value is written in decimal and hexadecimal.

OUTPUT

Mapping Program Output format.

PDF MAIL

Name of PDF file attached to e-mail.

PDF OUTQ

Spooled File PDF Distribution format.

PUB AUT

Public authority of PDF file written to integrated file system.

RC Reason code from message PQT4140. If the reason code is FF or AA, then this spooled file was requested by a customer. FF indicates that the spooled file was written by the PDJ job. AA indicates that the spooled file was written by the WTR job.

REPLYTO

The specified REPLYTO e-mail address.

SENDER

Sender of e-mail.

SF FORM

Stream File format.

STMF Name of PDF file written to integrated file system.

SUBJECT

Subject of e-mail.

TO The specified TO e-mail address.

USR VALU

The value specified in the mapping program. This value is written, depending upon the field, in either character or numeric (decimal and hexadecimal).

VALID The valid values for the fields found to be in error.

All lines of the spooled file have a time stamp.

When data is written in hexadecimal, the following will have the offset of the information specified, in hexadecimal, in the first column on the left. You can use these hexadecimal offsets to find specific fields:

- AFP OUTQ
- ATTACH
- BCC
- BODY FIL
- CC
- EXT AREA
- INPUT
- OUTPUT
- PDF MAIL
- PDF OUTQ
- PUB AUT
- REPLYTO
- SENDER
- SUBJECT
- STMF
- TO

Generating a Dump of Your Mapping Program

You can request that PSF write out information passed to and received from a mapping program in a diagnostic spooled file called PSFTRACE. For an example of this spooled file, see “User-Requested Spooled File” on page 7. To request that this spooled file be generated, create a data area as described below.

Important:

1. This data area must be created before starting the printer writer.
2. The data area must be created in QGPL.
3. The name of the data area must match that of the printer device description being used for printing.

To create the data area, enter the following command.

```
CRTDTAARA DTAARA(QGPL/printer_device_name)
          TYPE(*CHAR)
          LEN(40)
          VALUE(X'E6E6D7C4E3D9C8D9800000000000080000000000')
          AUT(*ALL)
```

When the information is no longer required, delete the data area by using this command:

```
DLTDTAARA DTAARA(QGPL/printer_device_name)
```

To verify the accuracy of the value placed into the data area, enter the following command:

```
DSPDTAARA DTAARA(QGPL/printer_device_name) OUTFM(*HEX)
```

The hexadecimal data displayed must be the same as the hexadecimal data shown when you run the command above. The first eight characters of the value for the data area MUST be “WWPDTRHR”.

Sample Spooled Files

There are two ways that a PSFTRACE spooled file can be written:

- PSF writes the information to a spooled file when it encounters an error in the mapping program. See “PSF-Requested Spooled File” for an example.
- PSF writes the information to a spooled file when a user requests it to do so. See “User-Requested Spooled File” on page 7 for an example.

For more information about any of the Formats discussed below, refer to the *Infoprint Server for iSeries: User's Guide*.

PSF-Requested Spooled File: This is an example of a diagnostic spooled file that was created because PSF detected an error in the mapping program. The diagnostic spooled file contains this information:

- The name of the mapping program is QPQMAPEXIT. It is in library QSYS.
- The name of the map object is TEST. It is in library PKLAR.
- The reason code issued with error message PQT4140 is 9. Reason code 9 is “When using SNDDST, all fields for specifying ReplyTo, CC, BCC, body files, attachments, and directory names must be 0.” The reason codes are listed below and in the *Infoprint Server for iSeries: User's Guide*.
- The input to the mapping program (Mapping Program Input Information format) is presented in hexadecimal representation. At the end of each line is the EBCDIC representation of the input. Not all characters can be displayed. In this example, characters that cannot be displayed are represented by a period (.).

- An error was found in the mapping program in the Extension Area format at offset 00000012 (decimal) or 0000000C (hexadecimal). The value in that field is 00000433 (decimal) or 000001B1 (hexadecimal). To determine what field that is in the mapping program and what the appropriate values are, refer to the Mapping Program appendix in the *Infoprint Server for iSeries: User's Guide*. In this case, the field is Offset to ReplyTo e-mail address. It has a value of 433 (decimal).
- A total of 10 errors were found. Each error starts with the text "OFFSET".
- The valid value for all of these fields is 0.
- The output from the mapping program (Mapping Program Output format) is presented in hexadecimal representation. At the end of each line is the EBCDIC representation of the input. Not all characters can be displayed. In this example, characters that cannot be displayed are represented by a period (.).
- The output from the Extension Area format is presented in hexadecimal representation. At the end of each line is the EBCDIC representation of the input. Not all characters can be displayed. In this example, characters that cannot be displayed are represented by a period (.).

```

***** 12:28:40.042 *****
MAP PGM 12:28:40.042 QSYS          QPQMAPEXIT
MAP OBJ 12:28:40.042 PKLAR        TEST
RC       12:28:40.042 09
INPUT    12:28:40.042
000000 D8D7C1C4 C5E5F0F0 F0C8D1D2 D3C1D940 40404040 F8F2F5F5 F3F1D6D5 C5D7C1C7 QPADEV000HPKLAR.....825531ONEPAG
000020 C5404040 00000001 40404040 40404040 40404040 40404040 40404040 40404040 E.....
000040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000060 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000080 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
0000A0 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
0000C0 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
0000E0 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000100 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000120 404061D7 E2C6F4F0 F061F8F2 F9F8F6F3 61D8D7C1 C4C5E5F0 F0F0C861 D1D2D3C1 ...PSF400.829863.QPADEV000H.PKLA
000140 D961F8F2 F5F5F3F1 6DF0F0F0 F0F0F16D D6D5C5D7 C1C7C56D F0F2F2F3 F2F0F0F5 R.825531.000001.ONEPAGE.02232005
000160 6DF0F0F0 F0F0F14B D7C4C640 40404040 40404040 40404040 40404040 40404040 .000001.PDF.....
000180 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
0001A0 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
0001C0 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
0001E0 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000200 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000220 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000240 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000260 40404040 40404040 40404040 40404040 40404040 4040F140 0000FFFF D1D2D3C1 .....1.....PKLA
000280 D9404040 40404040 40404040 40404040 40404040 C9E2C5D9 C9C5E2C7 89230278 766FE4D8 R.....ISERIESGj.....UQ
0002A0 D1D2D7C4 C6404040 4040D8E4 E2D9E2E8 E2404040 E3C5E2E3 40404040 4040D1D2 PKPDF.....QUSRSYS...TEST.....PK
0002C0 D3C1D940 40404040 5CE2E3C4 40404040 4040 LAR.....STD.....
OFFSET 12:28:40.043 EXT AREA 00000012 HEX: 0000000C
USR VALU 12:28:40.043 00000433 HEX: 000001B1
OFFSET 12:28:40.043 EXT AREA 00000016 HEX: 00000010
USR VALU 12:28:40.043 00000022 HEX: 00000016
OFFSET 12:28:40.043 EXT AREA 00000020 HEX: 00000014
USR VALU 12:28:40.043 00000476 HEX: 000001DC
OFFSET 12:28:40.043 EXT AREA 00000024 HEX: 00000018
USR VALU 12:28:40.043 00000018 HEX: 00000012
OFFSET 12:28:40.043 EXT AREA 00000028 HEX: 0000001C
USR VALU 12:28:40.043 00000494 HEX: 000001EE
OFFSET 12:28:40.043 EXT AREA 00000032 HEX: 00000020
USR VALU 12:28:40.043 00000018 HEX: 00000012
OFFSET 12:28:40.043 EXT AREA 00000036 HEX: 00000024
USR VALU 12:28:40.043 00003270 HEX: 00000CC6
OFFSET 12:28:40.043 EXT AREA 00000040 HEX: 00000028
USR VALU 12:28:40.043 00000000 HEX: 00000000
OFFSET 12:28:40.043 EXT AREA 00000044 HEX: 0000002C

```

```

USR VALU 12:28:40.043 00000000 HEX: 00000000
OFFSET 12:28:40.043 EXT AREA 00000048 HEX: 00000030
USR VALU 12:28:40.043 00000512 HEX: 00000200
VALID 12:28:40.069 0
OUTPUT 12:28:40.069
000000 F1F00000 000000FF 00000016 D7938581 A2854095 96A38540 96A49940 9585A640 10.....Please.note.our.new.
000020 8896A499 A24B4040 40404040 40404040 40404040 40404040 40404040 40404040 hours.....
000040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000060 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000080 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
0000A0 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
0000C0 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
0000E0 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000100 40404040 40404040 40404000 00000135 00000000 F1F1F0F1 00000000 0000007D .....1101.....
000120 8584A681 9984A27C 82819999 85934B83 964BA492 7D000000 6E000001 A3000000 edwardo.barrel.co.uk.....t...
000140 0E000001 B1000000 16000001 DC000000 12 .....
EXT AREA 12:28:40.070
000000 0000006E 000001A3 0000000E 000001B1 00000016 000001DC 00000012 000001EE .....t.....
000020 00000012 00000CC6 00000000 00000000 00000200 0000178C 0000002C 000001C7 .....F.....G
000040 00000015 000017B8 00000004 000017BC 00000131 000018ED 00000131 00000000 .....
000060 00000000 C5C4E6C1 D9C4E240 4040 ....EDWARDS...
***** 12:28:40.070 *****

```

User-Requested Spooled File: The user-requested diagnostic spooled file contains only the information that the user requests. In this example, a complete dump of the mapping program was requested. All data is presented in hexadecimal representation. At the end of each line is the EBCDIC representation of the data. Not all characters can be displayed. In this example, characters that cannot be displayed are represented by a period (.). The spooled file gives us this information:

- The mapping program is QPQMAPEXIT in library QSYS.
- The map object is TEST in library PKLAR
- The reason code is listed as FF or AA, which indicates that this information was user-requested. FF indicates that the spooled file was written by the PDJ job. AA indicates that the spooled file was written by the WTR job.
- The data in the various mapping program formats is displayed. The formats displayed depend on what was requested by the user. This example contains the following formats:
 - Mapping Program Input Information format
 - Mapping Program Output format
 - Extension Area format
 - Subject
 - Reply-to e-mail address
 - CC e-mail address
 - BCC e-mail address
 - Name of PDF stream file written to the integrated file system
 - Name of PDF file attached to e-mail
 - Public authority for the PDF file
 - Spooled File PDF Distribution format
 - Spooled File AFPDS Distribution format
 - PDF Encryption format
 - Mail sender (found in the Extension Area format)
 - Stream File format
 - Individual Stream File Information format

- Stream file to include in body of e-mail
- Individual Stream File Information format
- Stream file to include in body of e-mail
- Stream File format
- Individual Stream File Information format
- Stream file to include as attachment to e-mail
- Individual Stream File Information format
- Stream file to include as attachment to e-mail

```

***** 12:12:34.854 *****
MAP PGM 12:12:34.879 QSYS          QPQMAPEXIT
MAP OBJ 12:12:34.879 PKLAR        TEST
RC      12:12:34.879 FF
INPUT   12:12:34.880
000000 D8D7C1C4 C5E5F0F0 F0C8D7D2 D3C1D940 40404040 F8F2F5F5 F3F1D6D5 C5D7C1C7 QPADEV000HPKLAR....825531ONEPAG
000020 C5404040 00000001 40404040 40404040 40404040 40404040 40404040 40404040 E.....
000040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000060 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000080 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
0000A0 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
0000C0 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
0000E0 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000100 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000120 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000140 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000160 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000180 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
0001A0 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
0001C0 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
0001E0 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000200 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000220 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000240 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000260 40404040 40404040 40404040 40404040 40404040 4040F140 0000FFFF D7D2D3C1 .....1.....PKLA
000280 D9404040 40404040 40404040 40404040 C9E2C5D9 C9C5E2C7 89230278 766FE4D8 R.....ISERIESGi.....UQ
0002A0 D7D2D7C4 C6404040 4040D8E4 E2D9E2E8 E2404040 E3C5E2E3 40404040 4040D7D2 PKPDF....QUSRSYS...TEST.....PK
0002C0 D3C1D940 40404040 5CE2E3C4 40404040 4040          40404040 4040D7D2 LAR.....STD.....
OUTPUT 12:12:34.880
000000 F1F00000 000000FF 00000016 D7938581 A2854095 96A38540 96A49940 9585A640 10.....Please.note.our.new.
000020 8896A499 A24B4040 40404040 40404040 40404040 40404040 40404040 40404040 hours.....
000040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000060 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000080 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
0000A0 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
0000C0 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
0000E0 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000100 40404040 40404040 40404000 00000135 00000000 F1F1F0F1 00000000 000000    .....1101.....
TO      12:12:34.885
000000 7D999695 958985A2 8396A3A3 A27C9996 95958985 A28396A3 A3A24B83 964BA492 .ronniescotts.ronniescotts.co.uk
000020 7D7D85A5 8595A3A2 7C9789A9 A98185A7 979985A2 A24B8396 947D7D81 99A28595 ..events.pizzaexpress.com..arsen
000040 81939793 A4A27CA5 89848596 9396A495 8785A3A5 4B839694 7D7D8396 95A38183 alplus.videolounggetv.com..contac
000060 A37CA288 9685A284 89998583 A34B8396 4BA4927D 7D998194 82938599 A27C9396 t.shoesdirect.co.uk..ramblers.lo
000080 95849695 4B998194 82938599 A24B9699 874BA492 7D7D8389 A3A84B83 96A49583 ndon.ramblers.org.uk..city.counc
0000A0 89937C94 81958388 85A2A385 994B8796 A54BA492 7D          40404040 il.manchester.gov.uk.
EXT AREA 12:12:34.903
000000 0000006E 000001A3 0000000E 000001B1 00000016 000001DC 00000012 000001EE .....t.....
000020 00000012 000000CC 00000000 00000000 00000200 000017D3 0000002C 000001C7 .....F.....L.....G
000040 00000015 000017FF 00000004 00001803 00000131 00001934 00000131 0000178C .....
000060 00000047 C5C4E6C1 D9C4E240 4040          40404040 ....EDWARDS...
SUBJECT 12:12:34.903
000000 D585A640 9985A2A3 81A49981 95A3          40404040 New.restaurant
REPLYTO 12:12:34.903
000000 7D828585 8388A494 7C828199 9985934B 83964BA4 927D          40404040 .beechem.barrel.co.uk.
CC      12:12:34.903

```

```

000000 7D948599 83927C95 96A5814B 83964B81 A47D .merck.nova.co.au.
BCC 12:12:34.903
000000 7D8881A4 A27C9799 96A2A34B 83964B84 857D .haus.prost.co.de.
STMF 12:12:34.903
000000 61889694 856183A4 A2A39694 8599C995 869661D9 85A2A381 A4998195 A3C99586 .home.customerInfo.RestaurantInf
000020 96999481 A3899695 4B978486 ormation.pdf
PDF MAIL 12:12:34.904
000000 D985A2A3 81A49981 95A3C995 86969994 81A38996 95 RestaurantInformation
PUB AUT 12:12:34.904
000000 5CC1D3D3 .ALL
PDF OUTQ 12:12:34.904
000000 C5C4E6C1 D9C4E240 4040D8C7 D7D34040 40404040 5CE2D7D3 C6404040 4040D7C4 EDWARDS...QGPL.....SPLF.....PD
000020 C6E4E2C5 D9C4E3C1 5CE2D7D3 C6404040 40404040 40404040 40404040 40404040 FUSERDTA.SPLF.....
000040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000060 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000080 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
0000A0 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
0000C0 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
0000E0 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000100 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000120 40404040 4040405C E2D7D3C6 40404040 40 .....SPLF.....
AFP OUTQ 12:12:34.904
000000 C5C4E6C1 D9C4E240 4040D8C7 D7D34040 40404040 5CE2D7D3 C6404040 40405CE2 EDWARDS...QGPL.....SPLF.....S
000020 D7D3C640 40404040 5CE2D7D3 C6404040 40404040 40404040 40404040 40404040 PLF.....SPLF.....
000040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000060 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000080 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
0000A0 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
0000C0 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
0000E0 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000100 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 .....
000120 40404040 4040405C E2E3C440 40404040 40 .....STD.....
ENCRYPT 12:12:34.908
000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 .....
000020 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 .....
000040 F1F0F1F2 F0F0F0 1012000
SENDER 12:12:34.908
000000 C5C4E6C1 D9C4E240 4040 EDWARDS...
SF FORM 12:12:34.908 00000AC600000002
ISF FORM 12:12:34.908 00000113000000140000001400000012F0000000
BODY FIL 12:12:34.908
000000 D985A2A3 81A49981 95A3D485 95A44B88 A394 RestaurantMenu.htm
ISF FORM 12:12:34.908 0000011300000014000000140000001EF0000000
BODY FIL 12:12:34.909
000000 61889694 85618584 A6819984 A2619788 969585D5 A4948285 99A24BA3 A7A3 .home.edwards.phoneNumbers.txt
SF FORM 12:12:34.909 00000AC600000002
ISF FORM 12:12:34.909 0000011300000014000000140000001DF0000000
ATTACH 12:12:34.909
000000 61889694 85618396 958385A2 A2899695 A261C396 A4979695 A24B9784 86 .home.concessions.Coupons.pdf
ISF FORM 12:12:34.909 00000113000000140000001400000020F0000000
ATTACH 12:12:34.909
000000 61889694 85619788 96A396A2 61C69996 95A3D686 C2A48993 84899587 4B919787 .home.photos.FrontOfBuilding.jpg
***** 12:12:34.909 *****

```

Error Message 4140 Reason Codes

This section lists the reason codes for this PDF mapping program error message:

Number: 4140

Message: Incorrect data was returned by mapping program (*library/name*).

Explanation: The mapping program specified for device *device* returned incorrect data or indicated that processing should not continue. The reason code is *reason code*. See the reason codes listed below to determine where the error was

detected. While PSF will issue the new reason codes, the description of the reason code will not be included in the message until a future release of the system. Therefore it is important that you keep this document.

- 1 Incorrect value for Disposition of PDF e-mail.
- 2 Incorrect value for More processing.
- 3 A Reserved field does not have each byte set to X'00'.
- 4 Length of message text not in range of 0-255.
- 5 Length of mail address must be 0 when Disposition of PDF e-mail is '0'.
- 6 CCSID must be 0 when using SNDDST for e-mail.
- 7 Length of Extension area must be 52 or 100.
- 8 Length of subject must be greater than 0 when Offset to subject is greater than 0.
- 9 When using SNDDST, all fields for specifying ReplyTo, CC, BCC, body files, attachments, and directory names must be 0.
- 10 BCC offset and BCC length are not compatible.
- 11 CC offset and CC length are not compatible.
- 12 REPLYTO offset and REPLYTO length are not compatible.
- 13 REPLYTO offset cannot be less than 0.
- 14 Use of path directory specified, but no path directory was entered.
- 15 Disposition of PDF Error is set to 1, Do not continue processing.
- 16 Incompatible values specified for Offset to PDF file public authority and Length of PDF file public authority.
- 17 Incorrect value for Public authorization. Valid values are *EXCLUDE, *ALL, *RWX, *RX, *RW, *WX, *W, *R, and *X.
- 18 Incompatible values specified for Offset to PDF stream file path and file name and Length of PDF stream file path and file name.
- 19 Incompatible values specified for Offset to spooled file PDF distribution and Length of spooled file PDF distribution.
- 20 Values for Offset to PDF file name for e-mail and Length of PDF file name for e-mail are not compatible. One value is 0 but the other value is not 0.
- 21 Length of PDF encryption information cannot be less than 0.
- 22 Incorrect value for Disposition of PDF error.
- 23 Incorrect value for Disposition of PDF stream file.
- 24 Incorrect value for Disposition of PDF spooled file.
- 25 Message text must be blank when Length of message text is 0.
- 26 Length of mail address must be greater than 0 when Disposition of PDF e-mail is '1'.
- 27 CCSID must be in range of 0-65533 when using SMTP for e-mail.
- 28 The IBM® mapping program set Length of Extension area incorrectly. Report the problem (ANZPRB command).
- 29 Length of subject is less than 0.

- 30 Length of PDF file name for e-mail for SNDDST must be in range 1-12.
- 31 BCC offset cannot be less than 0.
- 32 CC offset cannot be less than 0.
- 33 Value for Length of spooled file PDF distribution must be 305.
- 34 Value for Name of output queue in Spooled File Distribution Format is either blank or not left justified.
- 35 Value for Name of output queue in Spooled File Distribution Format must be *PSFCFG when Output queue library is blank.
- 36 PDF Encryption - Value for PDF print must be '0', '1' or '2'.
- 37 PDF Encryption - PDF document change must be '0' or '1'.
- 38 PDF Encryption - Value for PDF copy must be '0' or '1'.
- 39 PDF Encryption - Value for PDF encryption level must be '0' or '1'.
- 40 PDF Encryption - Value for PDF content access enablement must be '0' or '1'.
- 41 PDF Encryption - Value for PDF change comments must be '0' or '1'.
- 42 PDF Encryption - Value for PDF document assembly must be '0' or '1'.

User response: Correct the values being passed from the mapping program and resubmit the spooled file. The spooled file is held and processing continues with the next ready file. If the reason code is 15, the spooled file is segmented, and a PDF administrator is specified in the PSF configuration object, processing continues with the next segment. The spooled file is placed on hold after all segments have been processed.



Printed in USA