

iSeries (AS/400) Configuration Instructions for the IPDSXpress

American PrintWare, Inc.
27126B Paseo Espada, Ste. 724
San Juan Capistrano, CA 92675
Tel 949-488-2222
Fax 949-488-2225
E-mail sales@apwi.com
Internet www.apwi.com

Contents

1	Introduction.....	2
1.1	V3R7 – V5R3: Printer Device Configuration.....	3
1.1.1	To set up the AS/400	3
1.2	V3R2: Printer Device Configuration.....	4
1.2.1	To set up the AS/400	4
1.3	V3R1: Printer Device Configuration.....	5
1.3.1	Installing WRKAFP2 on AS/400 V3R1	5
1.3.2	To set up the AS/400	6
1.4	Testing and Starting the Printer	7

1 Introduction

This document describes how to set up an AS/400 for printing to the

Printer Device Configuration for the following OS/400 versions is described:

- V3R7 – V5R2
- V3R2
- V3R1

In addition, it is described how to test and start the printer.

In the following examples we will use IPDSXpress as the device name and **192.168.0.227** as the IP address.

iSeries (AS/400) Configuration Instructions for IPDSXpress

1.1 V3R7 – V5R3: Printer Device Configuration

System requirements OS/400 V3R7 or newer

- OS/400 V3R7
- PSF/400
- TCP/IP configured and loaded

1.1.1 To set up the iSeries

In the following instructions all values and characters such as ' and * should be entered exactly as listed—except for the bolded values, which should be replaced by your unique values.

1. *Create a PSF Configuration on the AS/400.*

A special command has to be used, in order to create a PSF configuration object for linking to the Device Description.

```
CRTPSFCFG PSFCFG(IPDSXPRESS) RLSTMR(3)
```

2. *Create a device description.*

Type the following CL command string at the AS/400 command line.

```
CRTDEVPRT DEVD(IPDSXPRESS) DEVCLS(*LAN)  
TYPE(*IPDS) MODEL(0) LANATTACH(*IP)  
AFP(*YES) PORT(5001) FONT(011) FORMFEED(*AUTOCUT)  
RMTLOCNAME('192.168.0.227')  
USRDFNOBJ(*LIBL/IPDSXPRESS *PSFCFG)
```

If you can not fit all CL parameters on the command line, just type the command CRTDEVPRT and press <F4> (prompt). This brings up a menu, where you can fill in the CL parameters. The parameters and their values are listed in the menu. Pressing <F11> displays the keywords used in the above command. For additional information, place the cursor on a specific item and press <F1> for help.

Note: The CRTDEVPRT command will automatically create a Writer, a TCP/IP PSF configuration and an Output Queue. Most often these objects default values will be sufficient.

3. *Proceed with section "Testing and Starting the Printer"*

1.2 V3R2: Printer Device Configuration

System requirements OS/400 V3R2

- OS/400 V3R2
- PSF/400
- TCP/IP configured and loaded
- PTF/FIX C6317320 or newer

A complete description of how to install and configure a TCP/IP attached LAN printer on V3R2 can be found in the IBM manual AS/400 Advanced Series, Printer Device Programming Version 3, Document Number SC41-3713-01.

1.2.1 To set up the AS/400

In the following instructions all values and characters such as ' and * should be entered exactly as listed—except for the bolded values, which should be replaced by your unique values.

1. Create a device description.

Type the following CL command string at the command line. Note that port 5001 is the default port of the IPDSXPRESS.

```
CRTDEVPRT DEVD(IPDSXpress) DEVCLS(*RMT)
TYPE(*IPDS) MODEL(0) AFP(*YES)
AFPATTACH(*APPC) FONT(011)
PRTCVT(*YES) RMTLOCNAME(TCPIP)
```

If you can not fit all CL parameters on the command line, just type the command CRTDEVPRT and press <F4> (prompt). This brings up a menu, where you can fill in the CL parameters. The parameters and their values are listed in the menu. Pressing <F11> displays the keywords used in the above command. For additional information, place the cursor on a specific item and press <F1> for help.

2. Create a TCP/IP PSF Configuration on the AS/400.

A special command has to be used, in order to create a PSF configuration object for specifying a TCP/IP-attached printer. The command WRKAFP2 adds the values for remote location and TCP/IP port which are missing in the CRTDEVPRT command. Note that port 5001 is the default port of the IPDSXpress.

```
CRTPSFCFG PSFCFG(IPDSXpress)
RMTLOCNAME('192.168.0.227') PORT(5001)
ACTTMR(170) RLSTMR(*NOMAX)
```

If you cannot fit all CL parameters on the command line, just type the command CRTPSFCFG and press <F4> (prompt) as explained above

3. Proceed with section "Testing and Starting the Printer"

iSeries (AS/400) Configuration Instructions for IPDSXpress

1.3 V3R1: Printer Device Configuration

System requirements for OS/400 V3R1

- OS/400 V3R1 Modification 0
- PSF/400
- PTF/FIX SF27170 or newer
- TCP/IP configured and loaded

It is important that you use the latest cumulative PTF package which includes the command interface called WRKAFF2.

1.3.1 Installing WRKAFF2 on AS/400 V3R1

The PTF/FIX SF27120 (or newer) includes the command QSYS/QPQXWAFP. This provides an interface to a data area used by PSF/400 to obtain additional configuration information not provided through use of the native CRTDEVPRT command. QPQXWAFP creates a data area in the library QGPL with authority of *LIBCRTAUT.

The following instructions assume you have the physical source file QCLSRC and the AS/400 applications PDM and SEU in order to create the command.

1. Enter the command below and press <Enter>.

```
WRKMBRPDM QGPL/QCMDSRC
```

2. Press <F6> to create a new member. Name it WRKAFF2 with type CMD and give it a suitable description. Press <Enter>.

4. Select:

```
Selection:          1 = Member
Copy all records:   N
Member:            QSF29249
File:              QAPZCOVER
Library:           QGPL
```

Press <Enter>. This should give you a split screen.

5. At the command line for the screen type F 'WRKAFF2:CMD' and press <Enter>. After the character string is located, press <F16> twice. You will see a line that begins with "WRKAFF2: CMD". Type CC in the control space (line no.) at the beginning of the line.

6. Now go to the end of the program. Type B at the command line to go to the end of the member. Type CC in that line.

7. Move the cursor back to the new member you are creating and type A at the first line. Press <Enter>.

8. Press <F12> to end the split screen. <F3> to end the edit session and <Enter> to save the new source.

9 You must now compile the command. It can be compiled by entering the following command:

```
CRTCMD CMD(QGPL/WRKAFF2)PGM(QSYS/QPQXWAFP)
SRCFILE(QGPL/QCMDSRC)
```

iSeries (AS/400) Configuration Instructions for IPDSXpress

After the command has been successfully compiled, you are ready to use the WRKAFF2 command.

1.3.2 To set up the AS/400

In the following instructions all values and characters such as ' and * should be entered exactly as listed—except for the bolded values, which should be replaced by your unique values.

1. Create a device description.

Type the following CL command string at the command line.

```
CRTDEVPRT DEVD(IPDSXpress) DEVCLS(*RMT)
TYPE(*IPDS) MODEL(0) AFP(*YES)
AFPATTACH(*APPC) FONT(011)
PRTCVT(*YES) RMTLOCNAME(TCPIP)
```

If you cannot fit all CL parameters on the command line, just type the command CRTDEVPRT and press <F4> (prompt). This brings up a menu, where you can fill in the CL parameters. The parameters and their values are listed in this menu. Pressing <F11> displays the keywords used in the above command. For additional information, place the cursor on a specific item and press <F1> for help.

2. Create a TCP/IP PSF Configuration.

A special command has to be used, in order to create a PSF configuration object for specifying a TCP/IP-attached printer. The command WRKAFF2 adds the values for remote location and TCP/IP port which are missing in the CRTDEVPRT command. Note that port 5001 is the default port of the IPDSXPRESS.

```
WRKAFF2 DEVD(IPDSXPRESS) TCPIP(*YES)
RMTSYS('192.168.0.227') PORT(5001)
ACTTMR(170) INACTTMR(*NOMAX)
```

If you cannot fit all CL parameters on the command line, just type the command WRKAFF2 and press <F4> (prompt) as explained above.

3. Proceed with section "Testing and Starting the Printer"

iSeries (AS/400) Configuration Instructions for IPDSXpress

1.4 Testing and Starting the Printer

Except for the bolded values (IP address and device name), all values and characters such as ' and * should be entered exactly as listed.

1. Verify the TCP/IP Connection.

```
PING RMTSYS('192.168.0.227')
```

2. Vary the device ON.

```
VRYCFG CFGOBJ(IPDSXpress) CFGTYPE(*DEV)  
STATUS(*ON)
```

3. Start the Printer Writer.

```
STRPRTWTR DEV()
```

4. Change your Login job to use the printer as default.

```
CHGJOB OUTQ()
```

5. Make a test print (for example your User Profile).

```
PRTUSRPRF
```