

iSeries (AS/400) Configuration Instructions for the IAPS

Intermate A/S

Kongevejen 194A
DK-3460 Birkerød

Tel 72 26 04 00
Fax 72 26 04 04
E-mail sales@intermate.com
Internet www.intermate.com

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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 **IAPS** as the device name and **192.168.0.227** as the IP address.

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(IAPS) RLSTMR(3)
```

2. Create a device description.

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

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

```
CRTDEVPRT DEVD(IAPS) 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 IAPS.

```
CRTPSFCFG PSFCFG(IAPS)
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"

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 WRKAFP2.

1.3.1 Installing WRKAFP2 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 WRKAFP2 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 'WRKAFP2:CMD' and press <Enter>. After the character string is located, press <F16> twice. You will see a line that begins with "WRKAFP2: 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/WRKAFP2)PGM(QSYS/QPQXWAFP)
SRCFILE(QGPL/QCMDSRC)
```

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(IAPS) 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 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 IAPS.

```
WRKAFF2 DEVD(IAPS) 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"

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(IAPS) 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
```