

Defining a Logical Printer

This section explains how to define logical printers. It covers the following topics:

- What is a Logical Printer?
 - Listing Logical Printers
 - Adding a Logical Printer
 - Other Logical Printer Maintenance Functions
-

What is a Logical Printer?

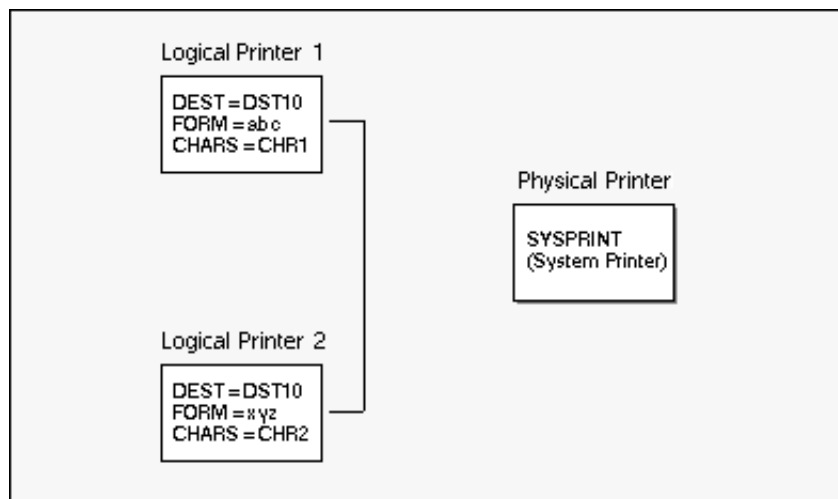
Prerequisite: To define logical printers, you must first have defined at least one physical printer for your system. For information on physical printers, see the section *Defining a Physical Printer* in the *System Administration* documentation.

Logical printers are used to print reports or bundles.

A logical printer refers to printing on a physical printer such as a VTAM printer, a system printer or a DASD sequential dataset by applying a set of printing characteristics, such as FORM, CHARS, FCB, etc.

Different logical printers can print on the same physical printer but with different characteristics.

The following figure illustrates the relation between logical printers and physical printers:



In this example, two Logical Printers 1 and 2 with different parameters are assigned to the same physical printer: SYSPRINT, the system printer.

Listing Logical Printers

▶ To list all defined logical printers:

1. Enter 3 in the command line of the "Main Menu".

The "Printer Maintenance" screen is displayed:

```

12:32:12          **** ENTIRE OUTPUT MANAGEMENT ****          2008-01-17
User ID XYZ          - Printer Maintenance -

Cmd Printer  Authoriz Description          Physical S  Location
-----
__ AAAAAA   ADMIN   Aaaaaaaaaaaaaaaaaa   HUGO-14
__ AAANEU   ADMIN   AAAAAAAAAAAAAAAAAA   HUGO-14
__ BDE-LOGP ADMIN   test of XML printer  UKSJUXML
__ BDE-MXL2 ADMIN   SS                    BDE-PXML
__ BHHHHH1  ADMIN
__ BRY-PRIN ADMIN   CON-NECT
__ BRY-TEST ADMIN   CON-NECT
__ DAEFPR09 ADMIN   vka host printer    DAEFPR09   VKA host printer
__ DAUPRTED ADMIN   u9 support          DAUPRTED
__ DDDDDD1  ADMIN   Test only           CON-NECT
__ DEFAULTA ADMIN   Default values for S SGGRLP1   test unixlp printer
__ DEFAULTB ADMIN   Default values for S SGGRLP2   test unixlp printer
__ DERBY    ADMIN   CSG4100S            SagUK Development
__ DISKGGR  ADMIN   xsetggr test disk pr DISKGGR  S
__ DISKMVS  ADMIN   DISKMVS

Top Of Data
Command =>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help Add  Exit Flip          -      +                      Menu
    
```

The screen lists, in alphabetical order, the logical printers defined to Entire Output Management.

Special PF Keys

Key	Name	Function
PF2	Add	Add a logical printer.

Line Commands

Command	Function
AU	Authorize users.
CO	Copy logical printer definition (*).
DE	Delete logical printer definition (*).
DI	Display logical printer definition.
LO	Display log information regarding maintenance activity on a logical printer.
MO	Modify logical printer definition.
RN	Rename logical printer (*).

(*) These commands cannot be used for DEFAULT printers.

Fields

For all fields marked with an asterisk (*) below, you can enter selection criteria (prefix *) in the field directly beneath the heading.

Field	Explanation
Printer *	Enter the logical printer ID or selection criteria for the ID.
Authoriz *	Access to Entire Output Management objects can be granted to a user ID, a group of users or to all users. To list authorized objects enter a user ID, a distribution list or PUBLIC here.
Description	A short description of the logical printer.
Physical *	The name of the physical printer.
S	The status of the physical printer: <ul style="list-style-type: none"> ● S = printer stopped (printouts are held). ● blank = printer is active for printing.
Location	The physical location of the printer, taken from the definition of the physical printer.

Adding a Logical Printer

To add a logical printer definition:

1. Press PF2 (Add) on the "Printer Maintenance" screen.

The "Logical Printer > General Attributes" screen, appears:

```

12:30:13          **** ENTIRE OUTPUT MANAGEMENT ****          28/05/2008
User ID XYZ      - Logical Printer >General Attributes -

Logical Printer
  Name ..... _____
  Description ..... _____
Physical Printer
  Name ..... _____
  Location ..... _____

Copies ..... ____
Priority ..... __
Printer Exit
  Member ..... _____
  Library ..... _____          Restrict Usage ..... _

Jobcards
_____
_____
_____

Command => _____
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help Add  Exit Flip Do   Undo          Attrb Edit      Menu
    
```

On this screen, you add a new logical printer definition or modify an existing one.

Special PF Keys

Key	Name	Function
PF2	Add	Add another logical printer.
PF9	Attrb	Modify special printer attributes.
PF10	Edit	If you have entered a Printer Exit Member, edit the member. For more information, see the section <i>User Routines and Separator Pages</i> in the <i>System Administration</i> documentation.

Fields

Field	Explanation
Logical Printer	
- Name	If you are adding a logical printer, you must enter its ID before proceeding. If you are modifying an existing printer, this field is protected. The ID must be unique.
- Description	Enter a short description for the logical printer.
Physical Printer	
- Name	Enter the ID for the physical printer where reports are to be printed. For further information, see the section <i>Selecting a Physical Printer for a Logical Printer</i> .
- Location	(output field) The location of the physical printer appears here when a printer has been selected.
Copies	Enter the number of copies to be printed.
Priority	Enter the print priority. This is passed to the spooling system when using system printers, or used internally when referring to VTAM printers.
Printer Exit	
- Member	Enter the name of the exit to be executed for each line before it is printed. You can edit the exit by pressing PF10 (Edit). For more information, see the section <i>User Routines and Separator Pages</i> in the <i>System Administration</i> documentation.
- Library	(output field) The name of the library where the printer exit is located.
- Restrict Usage	By default, a general user may select any logical printer for which the user or PUBLIC is authorized (even if all authorization options are set to "N"). Also, when printing an active report, the user may select any printer defined in the master report definition. If you specify "Y" here, only administrators and users with at least one authorization option set to "Y" may select this printer.
Jobcards	Enter the job cards used when printing with a batch job. If you leave these lines blank, the specifications made for the Monitor Standard Definitions are used for printing with a batch job.

Selecting a Physical Printer for a Logical Printer

To select a physical printer for a logical printer:

1. Enter an asterisk (*) in the Physical Printer Name field on the "Logical Printer > General Attributes" screen.

A printer selection window is displayed.

2. Select a printer by entering any character in the field preceding the printer name.

The printer name is written to the Physical Printer Name field on the "Logical Printer > General Attributes" screen. The logical printer prints on the physical printer selected.

Modifying Special Attributes for a Logical Printer

▶ **To modify special attributes for a logical printer:**

1. Press PF9 (Attrib) on the "Logical Printer > General Attributes" screen.

The "Logical Printer > Special Attributes" screen appears:

```

08:30:44          **** Entire Output Management ****          08/10/2008
User ID XYZ      - Logical Printer >Special Attributes -

Logical Printer
  Name ..... SYSPRPWR
  Description ..... _____

Attributes

  Burst .....
  Chars .....
  Class .....
  Cmpact .....
  Destination .....
  Delt .....
  Disp .....
  Fcb .....
  Flash .....
  Form .....
  Jsep .....

Top Of Data
Command => _____
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help Add  Exit Flip Do   Undo  -   +                               Menu
    
```

The attributes as defined for the physical printer appear on this screen. You can modify them by entering new values. For more information on these attributes, see the section *Defining Special Attributes for a Physical Printer* in the *System Administration* documentation.

Special PF Keys

Key	Name	Function
PF2	Add	Add another logical printer.

Other Logical Printer Maintenance Functions

Modifying a Logical Printer

▶ **To modify a logical printer:**

1. On the "Logical Printer Maintenance" screen, enter the line command MO next to the logical printer you want to modify.

The "Logical Printer Definition" screen appears for the logical printer you have selected.

2. You can modify the data displayed by entering new data in the input fields. For explanations of the input fields, see *Adding a Logical Printer*.

When you have finished modifying the logical printer definition, press ENTER to save your modifications.

A message confirms the modification.

3. If COMMIT is set to OFF, press PF5 (Do) to save your modifications before exiting. If you do not, a window opens in which you can commit the modifications by typing "Y".

A message confirms that all modifications have been committed.

Authorizing User Access to a Logical Printer

To authorize user access to a logical printer:

1. On the "Logical Printer Maintenance" screen, enter the line command AU next to the logical printer for which you want to grant authorization.

The "Authorization List" window for logical printers opens.

To grant authorization to a user, proceed as described in the section *Authorizing User Access to Objects*.

Copying a Logical Printer

To copy a logical printer:

1. On the "Logical Printer Maintenance" screen, enter the line command CO next to the logical printer you want to copy.

The "Copy Printer Definition" window opens.

2. Enter the name of the target logical printer in the input field provided.

A message confirms that the Printer has been copied.

Deleting a Logical Printer

To delete a logical printer:

1. On the "Logical Printer Maintenance" screen, enter the line command DE next to the logical printer you want to delete.

If CONFIRM is set to ON, a window opens asking you to confirm the deletion.

2. To do so, enter the logical printer name in the input field provided.

A message confirms the deletion.

Displaying a Logical Printer

▶ To display a logical printer:

- On the "Logical Printer Maintenance" screen, enter the line command `DI` next to the logical printer you want to display.

The "Logical Printer Definition" screen appears for the logical printer you selected.

Displaying Log Information for a Logical Printer

▶ To display log information for a logical printer:

1. On the "Logical Printer Maintenance" screen, enter the line command `LO` next to the logical printer for which you want to display log information.

The "Log Display" screen appears for the logical printer selected.

2. You can display more information about a log entry by entering the `IN` line command in the command field preceding the entry.

For further details, see the section *Displaying Log Information for an Object* and the *Log Display screen*.

Renaming a Logical Printer

▶ To rename a logical printer:

1. On the "Logical Printer Maintenance" screen, enter the line command `RN` next to the logical printer you want to rename.

The "Rename Logical Printer" window opens.

2. Enter the new logical printer name in the input field provided.