

Printouts

This section covers the following topics:

- What is a Printout?
 - Listing Printouts
 - Modifying Printout Attributes
 - Deleting a Printout
 - Displaying Printout Characteristics
 - Putting a Printout in HOLD Status
 - Releasing a Printout from HOLD Status
 - Listing Reports in Bundled Printout
 - Resuming a Failed Printout
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What is a Printout?

A printout in Entire Output Management is a report or a bundle queued for printing upon user request or automatically by the Monitor.

Listing Printouts

The printout list can be used to monitor the status of printouts.

To display the printout list:

1. Enter 7 in the command line on the "Main Menu". If long Report and bundle names are displayed by the system (see settings in *System Defaults* and *Adding a User Profile*), the "Printout List" screen (first part) takes the following form:

```

14:56:49          **** ENTIRE OUTPUT MANAGEMENT ****          2008-11-15
User ID * _____ - Printout List -

Cmd Object                T PrOutID Printer  Lines   S Status
-----
___ UKSJUBUN              B    553 UKSJUPRT   4633 D printed successful
___ UKSJU-STD1-009       R    547 UKSJVVT2    52 D printed successful
___ UKSJU-STD1-009       R    546 UKSJVVT2    52 D printed successful
___ UKSJU-STD1-009       R    545 UKSJVVTX    52 E Print Task abended
___ STEVEBUN             B    544 UKSJUPRT   7996 E NOM0707 Bundle is
___ UKSJUBUN             B    543 UKSJUPRT   4004 H hold
___ XSISZHA-TEST-1234567890 R    542 HUGO      103 E Lines exceeded
___ XSISZHA-TEST-1234567890 R    541 HUGO      103 H hold
___ XSISZHA-TEST-1234567890 R    540 HUGO      103 E Lines exceeded
___ XSISZHA-TEST-1234567890 R    539 HUGO      103 E Lines exceeded
___ XSISZHA-TEST-1234567890 R    535 HUGO      103 E Lines exceeded
___ XSISZHA-TEST-1234567890 R    534 HUGO         3 D printed successful
___ XSISZHA-TEST-1234567890 R    533 HUGO         7 E Lines exceeded
___ UKSJUBUN             B    532 UKSJUPRT   3786 H hold
___ XSISZHA-TEST-1234567890 R    519 HUGO      103 E Lines exceeded

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

```

The screen list all printouts in descending order according to their creation date. The individual fields are described below.

With PF10 (<) and PF11 (>), you can shift the display to the left and to the right respectively. With PF9 (Ext), you can toggle to short names display.

- To display only certain printouts, you can enter selection criteria in the some fields as indicated below.

To remove a selection criterion again, you overwrite it with a blank or an asterisk (*).

Line Commands

Command	Function
BR	Browse a printout (only possible for reports).
DE	Delete a printout.
DI	Display printout characteristics.
HL	Put printout in HOLD status.
MO	Modify printout characteristics. This function can only be used if the printout is in HOLD status.
RE	Resume printing of a failed printout from the last checkpoint.
RL	Release printout from HOLD status and send to printer.
RP	List reports in bundled printout.

Fields

All fields marked with (*) can be used to enter selection criteria.

Left half:	
User ID	(system administrators only) Enter a question mark (?) to open a user selection window. Select a user to display the printout list for that user. Leave this field blank to display all printouts according to user ID and time. Enter an asterisk (*) to display all printouts according to time <i>only</i> .
Object (*)	Name of the report or bundle which is to be printed.
T	Object type: R = Report, B = Bundle.
PrOutID	Internal unique identifier for the printout.
Printer (*)	Logical printer.
Lines	Number of lines already printed (if Status=P); total number of lines (for any other Status).
S/Status (*)	Status of the printout:
	C = Awaiting confirmation.
	D = Printed successfully.
	E = Printing error.
	F = Printing failed.
	H = On hold (must be released).
	O = Physical printer still printing.
	P = Currently printing.
	R = Ready to print (if not on hold).
	S = Printer stopped (printout is on hold).
T = Printer busy, trying again.	
U = Unsuccessfully printed = all printouts with status E, F, T, O or S. This no actual printer status, but for selection purposes only.	
Right half:	
User ID	User ID of user printing, or of report owner or of bundle coordinator.
Jobname	The job name of the printout in the job queue if printing is done with a batch job.
Jobno	The job number of the printout in the job queue if printing is done with a batch job.
scheduled	Date and time the printout is scheduled.
printed	Date and time the printout was printed.

Modifying Printout Attributes

You can only modify printout attributes when the printout is in HOLD status.

You can modify the following printout attributes:

- General Printout Attributes
- Printer Printout Attributes
- Special Printout Attributes

General Printout Attributes

▶ **To modify the general attributes of a printout before printing:**

1. On the "Printout List" screen, enter the line command MO next to the printout to be modified.

The "Printout Definition > General Attributes" screen is displayed:

```

12:57:02          **** ENTIRE OUTPUT MANAGEMENT ****          2008-01-17
User ID XYZ      - Printout Definition >General Attributes -

Printout ID ..... 381
User ..... XYZ          ESY User ID ... XYZ
Report
Name ..... XSETGGR-LINES
Run number ..... 10296
Time
Created ..... 20081219    16:10
Scheduled .....
Printed .....

Status ..... hold
Total ..... 10
Printed .....

Language ..... English
Copies ..... 1__
Priority ..... ____

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

```

2. On this screen, you can modify general attributes of a printout.

Special PF Keys

Key	Name	Function
PF9	PrAtt	Display the Printout Definition > Printer Attributes.
PF10	SpAtt	Display the Printout Definition > Special Attributes.

Fields

Printout ID	Internal unique identifier of the printout (display only).
User	User ID of user printing, or of report owner or of bundle coordinator (display only).
Report/Bundle	
Name	Name of report or bundle name to be printed.
Run number	Internal run number.
Time	Date and time the printout was created/scheduled/printed.
Status	The status of the printout (display only).
Total	Total number of lines; for binary documents, the size in KB (as indicated by a "K" after the number).
Lines printed	Number of lines currently printed.
Language	The language to be used in the report/bundle separators.
Copies	Enter the number of copies to be printed.
Priority	Enter the print priority. This is passed to JES when using system printers.

Printer Printout Attributes

To modify the printer attributes of a printout:

1. Press PF9 on the Printout "Definition > General Attributes" screen.

The "Printout Definition > Printer Attributes" screen is displayed:

```

12:28:29          **** ENTIRE OUTPUT MANAGEMENT ****          2008-02-29
User ID XYZ      - Printout Definition >Printer Attributes -

Printout ID ..... 7
Logical Printer
  Name ..... PRT14LSC
  Description ..... DC Group Printer
Physical Printer
  Name ..... DAEPT14
  Location ..... VTAM Printer DAEPT14
Printer Exit
  Member ..... TKYOC100
  Library ..... NOM131U
Job Parameters
  JCL skeleton ..... _____
  Escape character .. _
Jobcards
  _____
  _____
  _____

Command => _____
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help      Exit  Flip                                SpAtt      Menu
    
```

2. On this screen, you can modify the printer attributes of a printout.

Special PF Keys

Key	Name	Function
PF10	SpAtt	Display the Printout Definition > Special Attributes.

Fields

Field	Explanation
Printout ID (display only)	Internal unique identifier of the printout.
Logical Printer (display only)	The name and description of the logical printer.
Physical Printer (display only)	The name and location of the physical printer.
Printer Exit (display only)	The member name of the exit to be executed for each line before it is printed, and the library containing the member.

Field	Explanation
Job Parameters	
JCL skeleton	The name of the Natural member containing the JCL skeleton to be used when submitting a print job.
Escape character	Special character used as a prefix to identify substitution variables.
Jobcards	<p>Jobcards to be used when printing in batch mode. If you leave these lines blank, the specifications from the Logical Printer Profile are taken.</p> <p>SERIAL - If a jobcard contains the keyword SERIAL, Entire Output Management checks if the desired printer is already in use by another printer task. If so, the printout processing is delayed until the printer completes. This is useful if, instead of a printer spooler, a printer is addressed directly which cannot spool itself.</p> <p>SKIP - The keyword "SKIP <i>nnnnnn</i>" is interpreted as SKIP <i>nnnnnn</i> pages and will suppress the output for <i>nnnnnn</i> pages. However, if a printout is resumed that begins with the line after an error occurred, SKIP will also suppress <i>nnnnnn</i> pages - which might not be intended. In this case the SKIP parameter has to be omitted. The SKIP function is not exact, it will start the printing shortly before the desired page, because the print data are passed to the print program with internal blocking (for performance reasons). Other parameters of the jobcard fields are not affected. It can be used for any printer type where jobcards are allowed. SKIP is only useful under UNIX.</p> <p>WAIT-PRINTER - If this keyword is contained in a jobcard of the printout queue or of the logical printer, it will be checked whether the physical printer name of the special printer attributes contains a pipe to the UNIX command "lp" or "lpr". If so, the printer addressed with the "-P" parameter will be checked with the "lpstat" command. If it is still printing, the printer task will wait until the printer has finished before it terminates. WAIT-PRINTER will be ignored on mainframes and on printer types other than NATUNIX.</p>

Special Printout Attributes

To modify special attributes of a printout:

1. Press PF10 in the "Printout Definition >General Attributes" screen.

The "Printout Definition > Special Attributes" screen is displayed:

```

12:40:00          **** ENTIRE OUTPUT MANAGEMENT ****          2008-11-15
User ID XYZ      - Printout Definition >Special Attributes -

Printout ID ..... 12
Logical Printer
  Name ..... PRT14LSC
  Description ..... DC Group Printer

Attributes
  Carriage control .. YES
  Form feed before .. 1
  Form feed after ... 1
  Trace ..... NO
  Logmode .....

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

```

2. On this screen, you can modify special attributes of a printout.

Special PF Keys

Key	Name	Function
PF9	PrAtt	Display the Printout Definition > Printer Attributes.

Fields

Printout ID (display only)	Internal unique identifier of the printout.
Logical Printer (display only)	Name and description of logical printer.

All other attributes are printer-dependent and can be modified. See *Defining Special Attributes for a Physical Printer* in the *System Administration* documentation for more information.

Deleting a Printout

To delete a queued printout:

1. On the "Printout List" screen, enter the line command DE next to the printout you want to delete.

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

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

A message confirms the deletion.

Displaying Printout Characteristics

▶ To display printout characteristics:

- On the "Printout List" screen, enter the line command `DI` next to the printout for which you want to display information.

The "Display Printout" screen appears for the printout you selected.

For field descriptions, see *Fields: Printout Definition > General Attributes*.

Putting a Printout in HOLD Status

This function places a printout in HOLD to prevent printing. Printout characteristics can be modified only when the printout is in HOLD status.

▶ To put a printout in HOLD status:

- On the "Printout List" screen, enter the line command `HL` next to the printout you want to hold.

The message "HOLD" appears after the printout name in the Status column.

Releasing a Printout from HOLD Status

▶ To release a printout from HOLD and to queue the printout for printing:

- On the "Printout List" screen, enter the line command `RL` next to the printout you want to release for printing.

The message "Ready to Print" appears after the printout name in the Status column.

Listing Reports in Bundled Printout

▶ To list all reports contained in the printout:

- On the "Printout List" screen, enter the line command `RP` next to the printout for which you want to list reports.

A window is displayed listing the reports contained in the bundled printout.

Resuming a Failed Printout

Print tasks and batch jobs periodically record the number of lines printed so far. If a printout fails, it can be restarted from the last recorded printed line number.

▶ To resume a failed printout:

- On the "Printout List" screen, enter the line command RE next to the printout you wish to resume.