

1 PWG DRAFT
2 ipp-output-bin-attr-981214.txt

C. Manros
Xerox Corporation
T. Hastings
Xerox Corporation
December 14, 1998

3
4
5
6
7
8
9 Internet Printing Protocol/1.0: "output-bin" attribute extension

10

11 Status of this Memo

12 This document is a Printer Working Group (PWG) DRAFT. The previous version (981108) was posted
13 to the IPP mailing list for comment on 11/08/98 and reviewed at the November 12, 1998 PWG meeting
14 in Tucson. This version contains the changes agreed to at that meeting and need to be reviewed by the
15 participants on the mailing list using the Last Call PWG procedures.

16

Abstract

17 This document specifies the OPTIONAL "output-bin" Job Template attribute for use with the
18 Internet Printing Protocol/1.0 (IPP) [ipp-mod, ipp-pro]. This attribute permits the client to
19 specify in which output bin a job is to be placed.

20

21

22

TABLE OF CONTENTS

23 1 Add new "output-bin" Job Template attributes.....2
24 1.1 Problem2
25 1.2 Suggested solution.....2
26 1.3 Proposed text.....2

27

28

29 **1 Add new "output-bin" Job Template attributes**

30 **1.1 Problem**

31 Many printers have multiple output bins, that the job submission protocol permits the submitter to select
 32 in which to put the entire job.

33 **1.2 Suggested solution**

34 Add a single-valued "output-bin" Job Template attribute that captures existing practice. Do not make it
 35 multi-valued. Add the corresponding Job Template Printer attributes: "output-bin-default" and "output-
 36 bin-supported".

37 Note: If it is desired to allow the job submitter to select several output bin mail boxes that can be
 38 identified by number or recipient's name, propose a separate multi-valued attribute whose attribute
 39 syntax is (1setOf keyword | name). Have it use the same keywords as the mailbox in the "output-bin"
 40 attribute.

41 **1.3 Proposed text**

+=====+			
Job Attribute	Printer: Default Value	Printer: Supported	
	Attribute	Values Attribute	
+=====+			
output-bin	output-bin-default	output-bin-supported	
(type3 keyword	(type3 keyword	(1setOf type3 keyword	
name(MAX))	name(MAX))	1setOf name(MAX))	
+=====+			

50

51 **output-bin (type3 keyword | name(MAX))**

52 This Job Template attribute identifies the printer output bin to which the job is to be delivered.

53 Standard keyword values are:

- 54 'top': The output-bin which, when facing the printer, is best identified as the "top" bin with
 55 respect to the printer and the other output bins supported by the printer.
- 56 'middle' The output-bin which, when facing the printer, is best identified as the "middle" bin with
 57 respect to the printer and the other output bins supported by the printer.
- 58 'bottom' The output-bin which, when facing the printer, is best identified as the "bottom" bin with
 59 respect to the printer and the other output bins supported by the printer.

Proposed IPP Additional Attributes and Attribute Values - Set 1

- 60 'side' The output-bin which, when facing the printer, is best identified as the "side" bin with
61 respect to the printer and the other output bins supported by the printer.
- 62 'left' The output-bin which, when facing the printer, is best identified as the "left" bin with
63 respect to the printer and the other output bins supported by the printer.
- 64 'right' The output-bin which, when facing the printer, is best identified as the "right" bin with
65 respect to the printer and the other output bins supported by the printer.
- 66 'center' The output-bin which, when facing the printer, is best identified as the "center" bin with
67 respect to the printer and the other output bins supported by the printer.
- 68 'rear': The output-bin which, when facing the printer, is best identified as the "rear" bin with
69 respect to the printer and the other output bins supported by the printer.
- 70 'face-up' An output-bin in which sheets shall be placed face up in the bin. If the document is
71 printed two-sided, the front-side is face-up.
- 72 'face-down' An output-bin in which sheets shall be placed face down in the bin. If the
73 document is printed two-sided, the front-side is face-down.
- 74 'large' The output-bin with the largest capacity (in terms of number of sheets).
- 75 'private' The output-bin which is identified with the value of the "job-originating-user-name"
76 attribute assigned by the IPP Printer object, if it is printable, else the value of the client-
77 supplied "requesting-user-name" is used, if any.
- 78 'collator' The collating device, in which individual document copies are placed in sequential slots.
79 This device is sometimes called a sorter.
- 80 'stacker-N': The stacking device which is identified with values of the form: 'stacker-1',
81 'stacker-2', 'stacker-3', The correspondence between the 'stacker-N' keyword and the
82 actual stacker in the device is implementation-dependent, as is the number of stackers. If
83 this group of values is supported, at least the 'stacker-1' value MUST be supported.
- 84 'mailbox-N': The output-bin or slot of a collating device (sometimes called a sorter) which is
85 identified with values of the form: 'mailbox-1', 'mailbox-2', 'mailbox-3', The
86 correspondence between the 'mailbox-N' keyword and the actual output-bin or sorter slot
87 in the device is implementation-dependent.
- 88 An administrator MAY define additional values.