

The following table lists all IPP attributes in the various IPP documents located at <http://www.pwg.org/ipp/>:

IPP Attribute	IPP Spec that contains the IPP attribute	Is function currently in the IBM JDF Spec? If so, what is it called?	Is function currently supported by CUPS 1.1?	Was IPP attribute included in Appendix F of JDF 1.0 Spec?
attributes-charset	RFC 2911	No	Yes	No
attributes-natural-language	RFC 2911	No	Yes	Yes
compression	RFC 2911	No	Yes	Yes
copies	RFC 2911	Yes Number of Copies	Yes	Yes
cover-back media media-col cover-type	IEEE-ISTO 5100.3	Yes Covers	No	Yes
cover-front media media-col cover-type	IEEE-ISTO 5100.3	Yes Covers	No	Yes
current-page-order	IEEE-ISTO 5100.3	No	No	No
date-time-at-completed	RFC 2911	No	Yes	No
date-time-at-creation	RFC 2911	Yes Job Creation Date/Time	Yes	No
date-time-at-processing	RFC 2911	No	Yes	No
document-format	RFC 2911	Yes? Document File Format	Yes	Yes
document-name	RFC 2911	No	Yes	Yes
document-natural-language	RFC 2911	No	Yes	Yes
document-overrides input-documents document-copies document-format document-name compression document-natural-language page-ranges finishings sides media media-col ? finishings-col ? or output-documents document-copies finishings sides media media-col ? finishings-col ?	IEEE-ISTO 5100.4	Yes No No Yes No No Yes No Yes Yes Yes Yes No No Yes Yes Yes No No Yes Yes	No	Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
document-uri	RFC 2911	Yes Document File Name	Yes	Yes
finishings staple, punch, cover, bind, saddle-stitch, edge-stitch, staple- top-left, staple-bottom-left, staple- top-right, staple-bottom-right, edge-stitch-left, edge-stitch-right,	RFC 2911	Yes Stapling and Stitching Punching and Hole Making Covers	Yes	Yes

edge-stitch-bottom, edge-stitch-top, staple-dual-left, staple-dual-right, staple-dual-bottom, staple-dual-top		Binding		
fold, trim, bale, booklet-maker, jog-offset, bind-left, bind-right, bind-bottom, bind-top	IEEE-ISTO 5100.1	No	Yes for fold, trim, and bale No, otherwise	Yes
finishings-col finishing-template stitching stitching-reference-edge stitching-offset stitching-locations	IEEE-ISTO 5100.3	No Stitching Yes No No	No	No Yes
force-front-side	IEEE-ISTO 5100.3	Yes Start on New Page	No	Yes
image-rotation	See Note 1 below	Yes Rotate Page	??	Yes
imposition-template	IEEE-ISTO 5100.3	No	No	Yes
impressions-completed-current-copy	IPP: Job Progress Attributes	No	No	No
insert-sheet insert-after-page-number insert-count media media-col	IEEE-ISTO 5100.3	Yes Insert Sheet	No	Yes
ipp-attribute-fidelity	RFC 2911	No	Yes	Yes
job-account-id	IEEE-ISTO 5100.3	Yes Billing Code	No	Yes
job-accounting-sheets job-accounting-sheets-type media media-col job-accounting-output-bin	IEEE-ISTO 5100.3	No	No	Yes Yes Yes No
job-accounting-user-id	IEEE-ISTO 5100.3	No	No	Yes
job-collation-type	IPP: Job Progress Attributes	No	No	No
job-detailed-status-messages	RFC 2911	No	Yes	No
job-document-access-errors	RFC 2911	No	Yes	No
job-error-sheet job-error-sheet-type job-error-sheet-when media media-col	IEEE-ISTO 5100.3	No	No	Yes
job-hold-until	RFC 2911	Yes, for indefinite No, otherwise Hold Job	Yes	Yes
job-id	RFC 2911	Yes Job ID	Yes	No
job-impressions	RFC 2911	No	Yes	No
job-impressions-completed	RFC 2911	No	No	No
job-k-octets	RFC 2911	No	Yes	No
job-k-octets-processed	RFC 2911	No	Yes	No
job-media-sheets	RFC 2911	No	Yes	No
job-media-sheets-completed	RFC 2911	No	Yes	No
job-message-from-operator	RFC 2911	No	Yes	No
job-message-to-operator	IEEE-ISTO 5100.3	No	No	Yes
job-more-info	RFC 2911	No	Yes	No
job-name	RFC 2911	Yes Job Name	Yes	Yes
job-originating-user-name	RFC 2911	Yes	Yes	No

		Job Created By		
job-printer-uri	RFC 2911	No	Yes	No
job-priority	RFC 2911	Yes Job Priority	Yes	Yes
job-recipient-name	See Note 1 below	No	??	Yes
job-sheets	RFC 2911	Yes Start, Separator/Slip, End Sheets	Yes	Yes
job-sheets-col job-sheets media media-col	IEEE-ISTO 5100.3	Yes Start, Separator/Slip, End Sheets	No	Yes
job-sheet-message	IEEE-ISTO 5100.3	No	No	Yes
job-state	RFC 2911	No	Yes	No
job-state-message	RFC 2911	No	Yes	No
job-state-reasons	RFC 2911	No	Yes	No
job-uri	RFC 2911	No	Yes	No
job-warnings-count	IEEE-ISTO 5100.4	No	No	No
media	RFC 2911	Yes Media	Yes	No
media-col media-key media-type media-info media-color media-pre-printed media-hole-count media-order-count media-size x-dimension y-dimension media-weight-metric media-back-coating media-front-coating media-recycled	IEEE-ISTO 5100.3	Media Yes No No No No No No No No No No No No	No	Yes
media-input-tray-check	IEEE-ISTO 5100.3	No	No	No
multiple-document-handling	RFC 2911	Yes	Yes	Yes
number-of-documents	RFC 2911	No	Yes	No
number-of-intervening-jobs	RFC 2911	No	Yes	No
number-up	RFC 2911	Yes Number Up	Yes	Yes
notify-xxx attributes: notify-recipient-uri notify-pull-method notify-events notify-attributes notify-user-data notify-charset notify-natural-language notify-time-interval notify-lease-duration  notify-subscription-id notify-sequence-number notify-lease-expiration-time notify-printer-up-time notify-printer-uri notify-job-id notify-subscriber-name	IPP Event Notifications and Subscriptions	Notification Yes No Yes No Yes? No Yes No No  No No No No No No No	No	No
operation-id	RFC 2911	No	Yes	No
orientation-requested	RFC 2911	Yes	Yes	Yes

		Rotate Page		
output-bin	IEEE-ISTO 5100.2	Yes Output Bin Name	No	Yes
output-device-assigned	RFC 2911	No	Yes	No
page-delivery	IEEE-ISTO 5100.3	Yes Page Delivery	No	Yes
page-order-received	IEEE-ISTO 5100.3	No	No	Yes
page-overrides input-documents document-copies pages sides media media-col ? or output-documents document-copies pages sides media media-col ?	IEEE-ISTO 5100.4	No	No	Yes
page-ranges	RFC 2911	Yes Range of Pages	Yes	Yes
pages-per-subset	IEEE-ISTO 5100.4	No	No	Yes
presentation-direction	RFC 2911	No	No	Yes
presentation-direction-number-up	IEEE-ISTO 5100.3	No	No	No
printer-resolution	RFC 2911	No	Yes	Yes
printer-uri	RFC 2911	No	Yes	No
print-quality	RFC 2911	No	Yes	Yes
request-id	RFC 2910	No	No	No
requesting-user-name	RFC 2911	Yes Job Created By	Yes	Yes
separator-sheets separator-sheets-type media media-col	IEEE-ISTO 5100.3	Yes Start, Separator/Slip, End Sheets	No	Yes
sheet-collate	IPP: Job Progress Attributes	Yes Collate	No	Yes
sheet-completed-copy-number	IPP: Job Progress Attributes	No	No	No
sheet-completed-document-number	IPP: Job Progress Attributes	No	No	No
sides	RFC 2911	Yes Duplex/Simplex	Yes	Yes
time-at-completed	RFC 2911	No	Yes	No
time-at-creation	RFC 2911	No	Yes	No
time-at-processing	RFC 2911	No	Yes	No
version-number	RFC 2910	No	Yes	Yes
x-image-position	IEEE-ISTO 5100.3	No	No	Yes
x-image-shift	IEEE-ISTO 5100.3	No	No	Yes
x-side1-image-shift	IEEE-ISTO 5100.3	Yes Image Shift Front X Offset	No	Yes
x-side2-image-shift	IEEE-ISTO 5100.3	Yes Image Shift Back X Offset	No	Yes
y-image-position	IEEE-ISTO 5100.3	No	No	Yes
y-image-shift	IEEE-ISTO 5100.3	No	No	Yes
y-side1-image-shift	IEEE-ISTO 5100.3	Yes Image Shift Front Y Offset	No	Yes

y-side2-image-shift	IEEE-ISTO 5100.3	Yes Image Shift Back Y Offset	No	Yes
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## Notes:

- 1) These attributes could not be found in any of the IPP documents, but they are referred to in the JDF 1.0 Spec Appendix F.

The following attributes are listed in the "CUPS Implementation of IPP" document as CUPS extension Job Template attributes:

CUPS Attribute	IBM JDF Spec
blackplot	No
brightness	No
columns	No
cpi	No
fitplot	No
gamma	No
hue	No
job-billing	Yes
job-hold-until (like IPP 1.1 except add HH:MM and HH:MM:SS GMT of next time)	Yes Hold Job
job-sheets (IPP 1.1 is singled valued whereas CUPS is 1setOf)	Yes Start, Separator, End Sheets
job-originating-host-name	Yes Job Created By
lpi	No
natural-scaling	No
page-bottom	No
page-label	No
page-left	No
page-right	No
page-set	No
page-top	No
penwidth	No
position	No
ppi	No
prettyprint	No
saturation	No
scaling	No
wrap	No

The following attributes are list in the proposed PDC Document:

PDC Attribute	IPP Attribute	IBM JDF Spec
form	media-col?	Yes Forms
media	media-col attribute's media- key member attribute	Yes Media
tray	media	Yes Input Tray Name
resolution	printer-resolution	No
orientation	orientation-requested	Yes Rotate Page
color/monochrome	---	No
copies	copies	Yes

		Number of Copies
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