

Property Table of JMP Attributes

From: Tom Hastings; Date: 5/8/97; File: attr-tab.doc

Col	Description
Head	
#	enum value for jmAttributeTypeIndex , e.g., JmAttributeTypeIndexTC
I/O	Integer vs. OCTET STRING: I = Integer32(-2..2147483647) O = OCTET STRING(SIZE(0..63)) I/O = Integer OR OCTET STRING I+O = Integer AND OCTET STRING
TC	Integer is a textual-convention in this or the Printer MIB
M	Conformance requirements for an agent: M = Mandatory <blank> = Conditionally Mandatory
>1	MULTI-ROW (more than one row allowed): >1 = MULTI-ROW <blank> = one one row allowed for this attribute
S	Accessible through Job State Table (and the Attributes Table) <blank> = only in the Attributes table
L	linked with the Printer MIB, such that the Printer MIB must be implemented for this attribute to provide a meaningful value to the application. Printer MIB textual-conventions are not flagged as linked.
M/A	Application program usage: M = Monitoring application will use A = Accounting (or system utilization) application will use MA = both a Monitoring and an Accounting application will use.
S/D	STATIC vs. DYNAMIC: S = STATIC (doesn't usually change, ModifyJob operation may change) D = DYNAMIC (expected to change during the life time of the job)
S/P/D/A	When is the STATIC or DYNAMIC attribute value <i>first</i> assigned: S = submission time P = start of processing D = during processing and/or printing C = completion a = any time.
states	= job state(s) in which the attribute value is of interest: H = held Pen = Pending Pro = Processing Pri = Printing N = needsAttention Can = canceled Com = completed a = all states.

#	Attribute	I/O	TC	M	>1	L	S	M/A	S/D	S/P/D/A	states
1	other	I/O						MA		a	a
2	unknown	I/O						MA		a	a
	Job State attributes										
3	jobState	I	TC	M			S	MA	D	a	a
4	jobStateAssociatedValue	I				L	S	MA	D	a	a
5	jobStateReasons1	I	TC					MA	D	a	a
6	jobStateReasons2	I	TC					M	D	a	a
7	jobStateReasons3	I	TC					M	D	a	a
8	jobStateReasons4	I	TC					M	D	a	a
9	numberOfInterveningJobs	I		M			S	M	D	S	Pen
10	deviceAlertCode	I	TC	M		L	S	M	D	D	N
11	processingMessage	O			>1			M	D	D	Pro Pri
	Job Identification attributes										
12	serverAssignedJobName	O						MA	S	S	a
13	jobName	O						MA	S	S	a
14	jobServiceTypes	I	TC					MA	S	S	a
15	jobOwner	O						MA	S	S	a
16	jobAccountName	O						A	S	S	a
17	jobSourceChannelIndex	I				L		M	S	S	a
18	jobSourcePlatformType	I	TC					MA	S	S	a
19	submittingServerName	O						MA	S	S	a
20	submittingApplicationName	O						MA	S	S	a
21	deviceNameRequested	O						MA	S	S	a
22	queueNameRequested	O						MA	S	S	a
23	physicalDeviceIndex	I			>1	L		MA	S	P	a
24	physicalDeviceName	O			>1			MA	S	P	a
25	numberOfDocuments	I						MA	S	S	a
26	fileName	O			>1			MA	S	S	a
27	documentName	O			>1			MA	S	S	a
28	jobComment	O						M	S	S	a
29	documentFormatIndex	I			>1	L		MA	S	S P D	a
30	documentFormatType	I	TC		>1			MA	S	S P D	a
	Job Parameter attributes										
31	jobPriority	I						MA	S	S	a
32	jobProcessAfterDateAndTime	O						MA	S	S	H Pen
33	jobHoldUntil	I						MA	S	S	H

#	Attribute	I/O	TC	M	>1	L	S	M/A	S/D	S/P/D/A	states
											Pen
34	outputBinIndex	I		<u>M</u>	>1	L	S	M	S	C	Can Com
35	outputBinName	O			>1			M	S	C	Can Com
36	sides	I			>1			MA	S	S P D	a
37	finishing	I	TC		>1			MA	S	S P D	a
	Image Quality attributes (requested and used)										
38	printQualityRequested	I	TC		>1			M	S	S	a
39	printQualityUsed	I	TC		>1			A	S	D	Com
40	tonerEcomonyRequested	I	TC		>1			M	S	S	a
41	tonerEcomonyUsed	I	TC		>1			A	S	D	Com
42	tonerDensityRequested	I			>1			M	S	S	a
43	tonerDensityUsed	I			>1			A	S	D	Com
	Job Progress attributes (requested and consumed)										
44	jobCopiesRequested	I						M	S	S P	a
45	jobCopiesCompleted	I						MA	D	D	Pri Can Com
46	documentCopiesRequested	I						M	S	S P D	a
47	documentCopiesCompleted	I						MA	D	D	Pri Can Com
48	jobKOctetsRequested	I		M			S	M	S	S P	a
49	jobKOctetsTransferred	I						M	D	S	Pen
50	jobKOctetsCompleted	I		M			S	MA	D	D	Pri Can Com
	Impression attributes (requested and consumed)										
51	impressionsSpooled	I						M	D	S	Pen
52	impressionsSentToDevice	I						M	D	S	Pen
53	impressionsInterpreted	I						M	D	D	Pro
54	impressionsRequested	I		M			S	M	S	S	a
55	impressionsCompleted	I		M			S	MA	D	D	Pri Can Com

#	Attribute	I/O	TC	M	>1	L	S	M/A	S/D	S/P/D/A	states
56	impressionsCompletedCurrentCopy	I						M	D	D	Pri Can Com
	Page attributes (requested and consumed)										
57	pagesRequested	I						M	S	S P D	a
58	pagesCompleted	I						MA	D	D	Pri Can Com
59	pagesCompletedCurrentCopy	I						M	D	D	Pri Can Com
	Sheet attributes (requested and consumed)										
60	sheetsRequested	I						M	S	S P D	a
61	sheetsCompleted	I						MA	D	D	Pri Can Com
62	sheetsCompletedCurrentCopy	I						M	D	D	Pri Can Com
	Resource attributes (requested and consumed)										
63	mediumRequestedType	I	TC		>1			M	S	S P D	a
64	mediumRequestedName	O			>1			M	S	S P D	a
65	mediumConsumedName	I+ O			>1			MA	D	D	Pri Can Com
66	colorantRequestedIndex	I			>1	L		M	S	S P D	a
67	colorantRequestedName	O			>1			M	S	S P D	a
68	colorantConsumedIndex	I+ O			>1	L		MA	S	D	Pri Can Com
69	colorantConsumedName	O			>1			MA	D	D	Pri Can Com
	Time attributes (set by server or device)										
70	jobSubmissionToServerDateAndTime	O						MA	S	S	a

#	Attribute	I/O	TC	M	>1	L	S	M/A	S/D	S/P/D/A	states
71	jobSubmissionToDeviceDateAndTime	O						MA	S	S	a
72	jobSubmissionToDeviceTimeStamp	I						MA	S	S	a
73	jobStartedBeingHeldTimeStamp	I					S	M	S	S	a
74	jobStartedProcessingDateAndTime	O						MA	S	P	a
75	jobStartedProcessingTimeStamp	I						MA	S	P	a
76	jobCompletedDateAndTime	O						MA	S	C	Can ? Com
77	jobCompletedTimeStamp	I						MA	S	C	Can ? Com
78	jobProcessingCPUTime	I						MA	D	D	a