

Groupings of Data Items into Classes

Rick Landau, Dell

v0.9 20070208

Note: notation "->" means "is-a" or "subclassed from"

grouping	data items	group class	table row class	comments
prtGeneral	ConfigChanges		none, scalar	
	CurrentLocalization		none, scalar	writable already in Printer but not writable there
	CurrentOperator	B	none, scalar	writable
	ServicePerson		none, scalar	writable
	InputTrayDefaultId		none, scalar	writable
	OutputTrayDefaultId		none, scalar	writable
	MarkerDefaultId		none, scalar	writable
	MediaPathDefaultId		none, scalar	writable
	ConsoleLocalization		none, scalar	writable
	ConsoleDisable		none, scalar	writable
	PrinterName		none, scalar	writable already in Printer but not writable there
	SerialNumber		none, scalar	
	AlertCriticalEvents		none, scalar	mutable counter
	AlertAllEvents	B	none, scalar	mutable counter
ConsoleNumberOfDisplayLines		none, scalar	from Console	
ConsoleNumberOfDisplayChars		none, scalar	from Console	
prtConsole	DisplayBufferId	no group class	PrintConsoleDisplayBuffer	-> ManagedElement rename to simply "Id"
	DisplayBufferText		PrintConsoleDisplayBuffer	mutable
	LightId	no group class	PrintConsoleLight	-> ManagedElement rename to simply "Id"
	OnTime	B	PrintConsoleLight	mutable Maybe promote times to A. How else can you tell remotely if the light is on?
	OffTime	B	PrintConsoleLight	mutable ditto
	Color Description	B	PrintConsoleLight PrintConsoleLight	

grouping	data items	group class	table row class	comments
prtInput	Id	no group class	PrintInputTray	Row -> ManagedElement. However, may need to segregate declarative properties into Capabilities subclass.
	Type		PrintInputTray	
	DimUnit		PrintInputTray	
	CapacityUnit		PrintInputTray	must be colocated with CurrentLevel
	MaxCapacity		PrintInputTray	mutable, believe it or not
	CurrentLevel		PrintInputTray	mutable status
	Status		PrintInputTray	mutable status
	Name		PrintInputTray	writable
	Description		PrintInputTray	
	MediaDimUnit		PrintInputTray	
	MediaDimFeedDirDeclared		PrintInputTray	writable
	MediaDimXFeedDirDeclared		PrintInputTray	writable
	MediaName		PrintInputTray	writable
MediaWeight	B	PrintInputTray	writable	
MediaType		PrintInputTray	writable	
MediaColor		PrintInputTray	writable	
prtOutput	Id	no group class	PrintOutputTray	-> ManagedElement
	Type		PrintOutputTray	
	CapacityUnit		PrintOutputTray	must be colocated with RemainingCapacity
	MaxCapacity		PrintOutputTray	
	RemaningCapacity		PrintOutputTray	mutable status
	Status		PrintOutputTray	
	Name		PrintOutputTray	writable
	Description		PrintOutputTray	
	StackingOrder	B	PrintOutputTray	
	PageDeliveryOrientation	B	PrintOutputTray	
	OffsetStacking	B	PrintOutputTray	
prtLocalization	Id	n/a	already in Printer adequately	existing arrays in Printer
	Language			
	Country			
	CharacterSet			

grouping	data items	group class	table row class	comments	
prtCover	Id	no group class	PrintDeviceCover	-> ManagedElement	
	Description		PrintDeviceCover		
	Status		PrintDeviceCover	mutable status	
prtMarker	Id	no group class	PrintMarker	-> ManagedElement	
	MarkTech		PrintMarker		
	CounterUnit		PrintMarker	must be colocated with LifeCount	
	LifeCount		PrintMarker	mutable counter	
	PowerOnCount		B	PrintMarker	mutable counter
	ProcessColorants			PrintMarker	
	SpotColorants			PrintMarker	
	AddressabilityUnit		B	PrintMarker	
	AddressabilityFeedDir		B	PrintMarker	
	AddressabilityXFeedDir		B	PrintMarker	
	Status			PrintMarker	mutable
prtMarkerSupplies	Id	no group class	PrintSupply	-> ManagedElement	
	MarkerId		PrintSupply	not mutable	
	ColorantId		PrintSupply	not mutable	
	Class		PrintSupply		
	Type		PrintSupply		
	Description		PrintSupply		
	SupplyUnit		PrintSupply	must be colocated with Level	
	MaxCapacity			PrintSupply	must be colocated with Level
	Level			PrintSupply	mutable status
prtMarkerColorant	Id	no group class	PrintColorant	-> ManagedElement	
	Value		PrintColorant		
	Tonality		B	PrintColorant	
prtMediaPath	Id	no group class	PrintMediaPath	-> ManagedElement	
	MaxSpeedPrintUnit		PrintMediaPath		
	MediaSizeUnit		PrintMediaPath		
	MaxSpeed		PrintMediaPath		
	MaxMediaFeedDir		PrintMediaPath		
	MaxMediaXFeedDir		PrintMediaPath		
	MinMediaFeedDir		PrintMediaPath		
	MinMediaXFeedDir		PrintMediaPath		
	Type		PrintMediaPath		
	Description		PrintMediaPath		
	Status		PrintMediaPath	mutable status	

grouping	data items	group class	table row class	comments
prtChannel	Id	no group class	PrintChannel	-> ManagedElement
	Type		PrintChannel	
	ProtocolVersion		PrintChannel	
	CurrentJobCtrlLangId		PrintChannel	writable
	DefaultPageDescLangId		PrintChannel	writable
	State		PrintChannel	mutable status
	Interfaceld		PrintChannel	writable
	Status		PrintChannel	mutable status
	Information		PrintChannel	mutable
prtInterpreter	Id	no group class	PrintInterpreter	-> ManagedElement
	LangFamily		PrintInterpreter	
	LangLevel	B	PrintInterpreter	
	Description		PrintInterpreter	
	FeedAddressability	B	PrintInterpreter	
	XFeedAddressability	B	PrintInterpreter	
	Status	A	PrintInterpreter	mutable status, added to correct previous modeling error
prtAlert	Id	PrintAlertLog -> RecordLog, following the existing RecordLog Profile	PrintAlertRecord	-> LogEntry
	SeverityLevel		PrintAlertRecord	
	TrainingLevel	B	PrintAlertRecord	
	Group		PrintAlertRecord	
	GroupId		PrintAlertRecord	
	Location		PrintAlertRecord	
	Code		PrintAlertRecord	
	Description		PrintAlertRecord	
	Time		PrintAlertRecord	