

OpenPrinting Vector Printer Driver API

Specification Changes from Version 0.9 to 1.0rc4

2007-8-14

Change naming conventions

- (1) Constants are named in all capitalized and add “OPVP_” prefixes.
- (2) Function names are started with “opvp” prefixes.
- (3) Type names are started with “opvp” prefixes and ended with “_t” postfixes.
- (4) The type for printer context is changed from “int” to “opvp_dc_t”.
- (5) The types for the returned values from functions are changed from “int” to “opvp_result_t”.

Changes of function specifications

Function	Changes	OPVP 0.2	OPVP 1.0
opvpOpenPrinter()	Add API version to the arguments. Delete number of function entries from the arguments. Note: Distinction of OPVP 0.2 and 1.0 is can be made if the driver exports opvpOpenPrinter() function or not. (Drivers of version 1.0 export opvpOpenPrinter()).	int OpenPrinter(int outputFD, char *printerModel, int *nApiEntry, int (**apiEntry[])());	opvp_dc_t opvpOpenPrinter(opvp_int_t outputFD, const opvp_char_t *printerModel, const opvp_int_t apiVersion[2], struct _opvp_api_procs **apiEntry);
opvpAbortJob()	Newly added.		
opvpQueryColorSpace() ()	Second and third arguments are swapped.	int QueryColorSpace(int printerContext, ColorSpace *pcspace int *pnum);	opvp_result_t opvpQueryColorSpace(opvp_dc_t printerContext, opvp_int_t *pnum, opvp_cspace_t *pcspace);
QueryROP(), SetROP(), GetROP()	Deleted.		
opvpSetLineDash()	Second and third arguments are swapped.	int SetLineDash(int printerContext, Fix pdash[], int num);	opvp_result_t opvpSetLineDash(opvp_dc_t printerContext, opvp_int_t num, const opvp_fix_t *pdash);
DrawBitmapText()	Deleted.		
opvpDrawImage()	Add pitch to augment. Delete color space from augment. Change destination from rectangle to width and height. Delete “count”, which can be derived from pitch. Add “MASK” to image format.	int DrawImage(int printerContext, int sourceWidth, int sourceHeight, int colorSpace, ImageFormat imageFormat, Rectangle destinationSize, int count, void *imageData);	opvp_result_t opvpDrawImage(opvp_dc_t printerContext, opvp_int_t sourceWidth, opvp_int_t sourceHeight, opvp_int_t sourcePitch, opvp_imageformat_t imageFormat, opvp_int_t destinationWidth, opvp_int_t destinationHeight, const void *imageData);
opvpStartDrawImage()	Add pitch to augment. Delete color space from augment. Change destination from rectangle to width and height. Add “MASK” to image format.	int StartDrawImage(int printerContext, int sourceWidth, int sourceHeight, int colorSpace, ImageFormat imageFormat, Rectangle destinationSize);	opvp_result_t opvpStartDrawImage(opvp_dc_t printerContext, opvp_int_t sourceWidth, opvp_int_t sourceHeight, opvp_int_t sourcePitch, opvp_imageformat_t imageFormat, opvp_int_t destinationWidth, opvp_int_t destinationHeight);

Clarification of descriptions

Over all descriptions and explanations are rewritten to void ambiguity and improve English quality.