

# NSPrintOperation

**Inherits From:** NSObject

**Conforms To:** NSCoding  
NSObject

**Declared In:** appkit/NSPrintOperation.h

## Creating and Initializing an NSPrintOperation Object

- + (NSPrintOperation \*)**EPSOperationWithView:(**NSView \*)*aView*  
**insideRect:(**NSRect)*rect*  
**toData:(**NSMutableData \*)*data*  
Returns a new NSPrintOperation object that controls the generation of EPS code from the area specified by *rect* in *aView*, using the parameters in the shared NSPrintInfo object. The code is written to *data*.
- + (NSPrintOperation \*)**EPSOperationWithView:(**NSView \*)*aView*  
**insideRect:(**NSRect)*rect*  
**toData:(**NSMutableData \*)*data*  
**printInfo:(**NSPrintInfo \*)*aPrintInfo*  
Returns a new NSPrintOperation object that controls the generation of EPS code from the area specified by *rect* in *aView*, using the parameters in *aPrintInfo*. The code is written to *data*.
- + (NSPrintOperation \*)**EPSOperationWithView:(**NSView \*)*aView*  
**insideRect:(**NSRect)*rect*  
**toPath:(**NSString \*)*path*  
**printInfo:(**NSPrintInfo \*)*aPrintInfo*  
Returns a new NSPrintOperation object that controls the generation of EPS code from the area specified by *rect* in *aView*, using the parameters in *aPrintInfo*. The code is written to *path*.
- + (NSPrintOperation \*)**printOperationWithView:(**NSView \*)*aView*  
Returns a new NSPrintOperation object that controls the printing of *aView*,

- using the parameters in the shared `NSPrintInfo` object.
- + (NSPrintOperation \*)**printOperationWithView:**(NSView \*)*aView*  
**printInfo:**(NSPrintInfo \*)*aPrintInfo* Returns a new `NSPrintOperation` object that controls the printing of *aView*, using the parameters in *aPrintInfo*.
  - (id)**initEPSOperationWithView:**(NSView \*)*aView*  
**insideRect:**(NSRect)*rect*  
**toData:**(NSMutableData \*)*data*  
**printInfo:**(NSPrintInfo \*)*aPrintInfo* Initializes a newly allocated `NSPrintOperation` object to control the generation of EPS code from the area specified by *rect* in *aView*, using the parameters in *aPrintInfo*. The code is written to *data*.
  - (id)**initWithView:**(NSView \*)*aView*  
**printInfo:**(NSPrintInfo \*)*aPrintInfo* Initializes a newly allocated `NSPrintOperation` object to control the printing of *aView*, using the parameters in *aPrintInfo*.

## Setting the Print Operation

- + (NSPrintOperation \*)**currentOperation** Returns the `NSPrintOperation` that represents the current operation or **nil** if there is no such operation.
- + (void)**setCurrentOperation:**(NSPrintOperation \*)*operation* Sets the `NSPrintOperation` that represents the current operation.

## Determining the Type of Operation

- (BOOL)**isEPSOperation** Returns YES if the receiver controls an EPS operation and NO if the receiver controls a printing operation.

## Controlling the User Interface

- (NSPrintPanel \*)**printPanel** Returns the `NSPrintPanel` object that's used when the operation is run.
- (BOOL)**showPanels** Returns YES to indicate that the Print panel appear when the operation is run.
- (void)**setPrintPanel:**(NSPrintPanel \*)*panel* Sets the `NSPrintPanel` object that's used when the operation is run.
- (void)**setShowPanels:**(BOOL)*flag* Sets whether the Print panel appears when the operation is run.

## Managing the DPS Context

- (NSDPSText \*)**createContext**

- (NSDPSText \*)**context**

- (void)**destroyContext**

Used by the NSPrintOperation object to create the DPS context for output generation, using the current PrintInfo settings.

Returns the DPS context used for the receiver's operation.

Used by the NSPrintOperation object to destroy the DPS context at the end of the operation.

## Page Information

- (int)**currentPage**

- (NSPrintingPageOrder)**pageOrder**

- (void)**setPageOrder:(NSPrintingPageOrder)order** Sets the order in which pages will be printed.

Returns the page number of the page being printed.

Returns the order in which pages will be printed.

## Running a Print Operation

- (void)**cleanUpOperation**

- (BOOL)**deliverResult**

- (BOOL)**runOperation**

Invoked at end of an operation's run to set the current operation to **nil**.

Delivers the results generated by **runOperation** to the intended destination: the print spooler, preview application, etc. Returns YES upon successful delivery and NO otherwise.

Causes the operation (EPS code generation or printing) to take place. Returns YES upon successful completion and NO otherwise.

## Getting the NSPrintInfo Object

- (NSPrintInfo \*)**printInfo**

- (void)**setPrintInfo:(NSPrintInfo \*)aPrintInfo**

Returns the receiver's NSPrintInfo object.

Sets the receiver's NSPrintInfo object to *aPrintInfo*.