

regular AppleLink FAX printers. There are also network printers which represent local print queues and "virtual"

on the network.

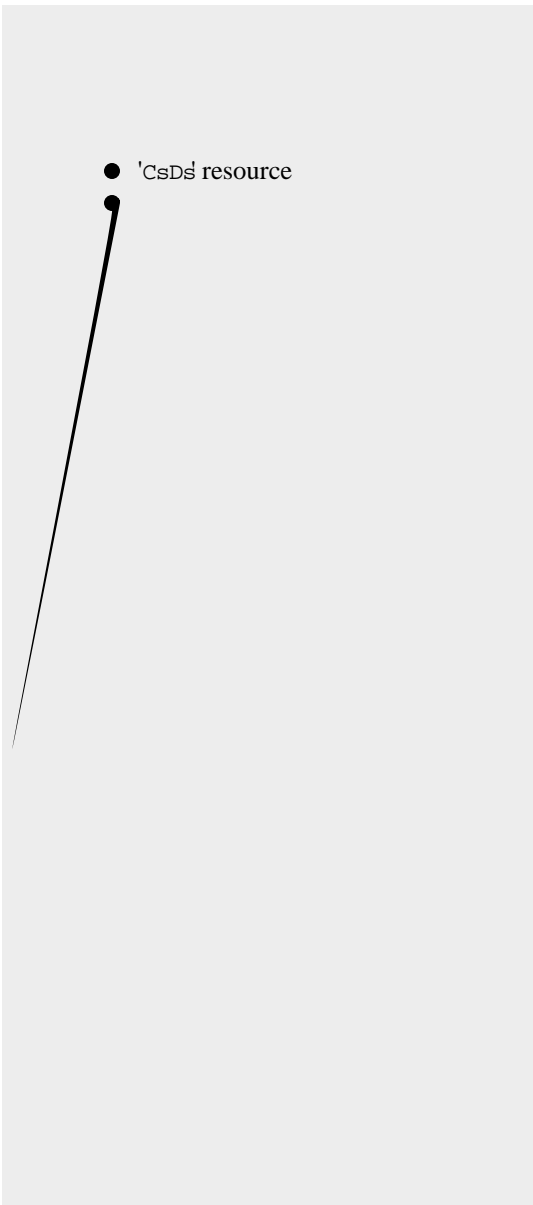
Along with the expanded capabilities, Desktop Printer Utility is also customizable. LaserWriter 8.5.1 and Desktop Printer Utility (together) support the creation and use of desktop printers known as Custom DTPs. When printed to, Custom DTPs cause the LaserWriter 8.5.1 driver to create a PostScript file and to launch an

the hostScript file, such as converting the hostScript into another file format, transferring the file to another location

## Technote 1113

### Customizing Desktop Printer Utility

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# Customizing the DTP Utility

In order to add a new custom DTP to the list of supported DTPs in the Desktop Printer Utility, you must add

## 'CsDs CustomDTPResource) Resource

In order to customize Desktop Printer Utility, a ' (CustomDTPResource Desktop Printer Utility.tThe Laserwriter uses this information to find the appropriate application to launch and to customize your DTP interface.

This resource's format is defined by the structure CustomAppDesc

```
#define kVariableLen 1

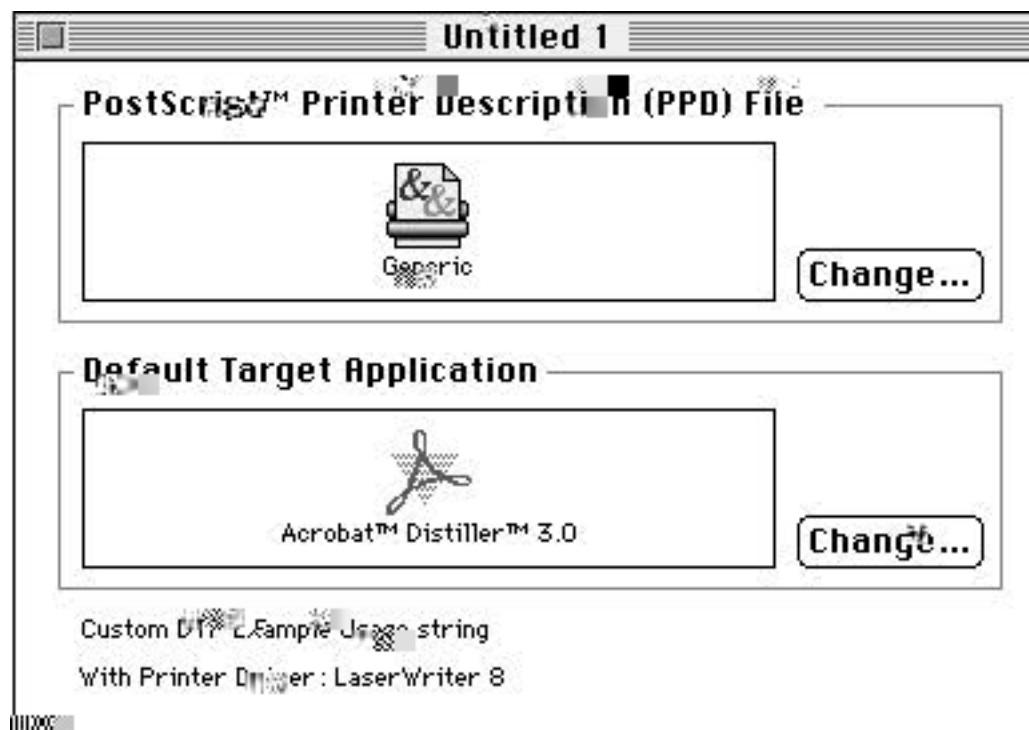
struct CustomAppDesc {
    OSType appSignature;
    TTTTDD TTTTDD TT
    TD TTTTDD Str255 helpText;
    TTTTDD TTTTDD TD TTTTDD TTTTDD Str255 appFileName;
    TD TTTTDD TTTTDD TTTT
```

**appSignature:** The application signature of the application to launch. The Laserwriter driver uses this information to find the application on all mounted volumes which are available to the

Figure 1



Figure 2





## Resource type 'BNok'

```
typedef struct{
    OSType hintType;           //'bnok' hint type
    long hintId;               // set to 1
    TriState binaryOK;
}BNokResource;

#define kHintADOIsBinaryOKTag    'bnok'
#define kHintADOIsBinaryOKId    1
```

There are three acceptable settings for binaryOK which answer the question, "Is binary data ok?":

0	False	
1	True	
2	Unknown	//do not use

### Note:

This hint should not be created in the DTP with a value of unknown; however, it is available for future use.

## /\* Job Type - 'jobt' \*/

This hint specifies the type of PostScript to generate.

## Resource type 'JOBT'

```
typedef struct{
    OSType hintType;           //'jobt' hint type
    long hintId;               // set to 1
    char jobType;
}JOBTResource;

#define kHintJobTypeTag        'jobt'
#define kHintJobTypeId        1
```

Currently only two PostScript forms for jobType are available:

0	psJobPostScript
1	

## /\* Font Handling - 'font' \*/

This hint specifies the font inclusion. The font handling hint consists of a four-byte flag followed by a list of NmLL terminated font names.

## Resource type 'Font'

```
typedef struct{
    OSType hintType;           //'font' hint type
    long hintId;               //set to 1
    long tag;
    unsigned char name[1];
}FontResource;

#define kHintIncludeFontsTag    'font'
#define kHintIncludeFontsId    1
```

Font ID = 128 from Desktop Printer Utility sample

Hint Tag	font
HintID	1
Font Save Value	1
1) *****	
Font Name	Courier
2) *****	
Font Name	Helvetica
3) *****	

'csDs' resource for a particular DTP.

csDs ID = 128 from Desktop Printer Utility sample

AppCreator	DSTL
DocumentType	Custom DTP Example Document Type
HelpText	Custom DTP Example Help Text
Usage	Custom DTP Example Usage string
AppFileName	Acrobat™ Distiller™ 3.0
NumberOfHints	1
1) *****	
HintResourceType	Font
HintResourceID	128

And that's all that is required to get the DIP Utility to create a custom DIP that produces a PostScript file without Courier and Helvetica.

## Limitations of the DIP Utility

Due to the parallel development schedules of Mac OS 8.0 and LaserWriter 8.5.1, DIP Utility 1.0

(which ships with LaserWriter 8.5.1) will not install on Mac OS 8.0. It will, however, work with the upcoming Mac OS 8.1.

## Licensing the DTh Utility

In order to ship a customized DTh Utility with your application, you must license the DTh Utility from