

# Batch Script - Printing

Printing can also be controlled from within Batch Script via the NET PRINT command.

## Syntax

```
PRINT [/D:device] [[drive:][path]filename[...]]
```

Where /D:device - Specifies a print device.

## Example

```
print c:\example.txt /c /d:lpt1
```

The above command will print the example.txt file to the parallel port lpt1.

## Command Line Printer Control

As of Windows 2000, many, but not all, printer settings can be configured from Windows's command line using PRINTUI.DLL and RUNDLL32.EXE

## Syntax

```
RUNDLL32.EXE PRINTUI.DLL,PrintUIEntry [ options ] [ @commandfile ]
```

Where some of the options available are the following –

- **/dl** – Delete local printer.
- **/dn** – Delete network printer connection.
- **/dd** – Delete printer driver.
- **/e** – Display printing preferences.
- **/f[file]** – Either inf file or output file.
- **/F[file]** – Location of an INF file that the INF file specified with /f may depend on.
- **/ia** – Install printer driver using inf file.
- **/id** – Install printer driver using add printer driver wizard.

- **/if** – Install printer using inf file.
- **/ii** – Install printer using add printer wizard with an inf file.
- **/il** – Install printer using add printer wizard.
- **/in** – Add network printer connection.
- **/ip** – Install printer using network printer installation wizard.
- **/k** – Print test page to specified printer, cannot be combined with command when installing a printer.
- **/l[path]** – Printer driver source path.
- **/m[model]** – Printer driver model name.
- **/n[name]** – Printer name.
- **/o** – Display printer queue view.
- **/p** – Display printer properties.
- **/Ss** – Store printer settings into a file.
- **/Sr** – Restore printer settings from a file.
- **/y** – Set printer as the default.
- **/Xg** – Get printer settings.
- **/Xs** – Set printer settings.

## Testing if a Printer Exists

There can be cases wherein you might be connected to a network printer instead of a local printer. In such cases, it is always beneficial to check if a printer exists in the first place before printing.

The existence of a printer can be evaluated with the help of the RUNDLL32.EXE PRINTUI.DLL which is used to control most of the printer settings.

### Example

```
SET PrinterName = Test Printer
SET file=%TEMP%\Prt.txt
RUNDLL32.EXE PRINTUI.DLL,PrintUIEntry /Xg /n "%PrinterName%" /f "%file%" /c

IF EXIST "%file%" (
    ECHO %PrinterName% printer exists
) ELSE (
```

```
ECHO %PrinterName% printer does NOT exists  
)
```

The above command will do the following –

- It will first set the printer name and set a file name which will hold the settings of the printer.
- The RUNDLL32.EXE PRINTUI.DLL commands will be used to check if the printer actually exists by sending the configuration settings of the file to the file Prt.txt