

## FOR /R

Loop through files (Recurse subfolders)

Syntax

```
FOR /R [[drive:]path] %%parameter IN (set) DO command
```

Key

```
drive:path  : The folder tree where the files are located.

set         : A set of one or more files. Wildcards must be used.
             If (set) is a period character (.) then FOR will
             loop through every folder.

command     : The command(s) to carry out, including any
             command-line parameters.

%%parameter : A replaceable parameter:
             in a batch file use %%G (on the command line %G)
```

This command walks down the folder tree starting at [drive:]path, and executes the DO statement against each matching file.

If the [drive:]path are not specified they will default to the current drive:path.

Unlike some other variants of the FOR command you must include a wildcard (either \* or ?) in the 'set' to get consistent results returned. In many cases you can work around this by adding a single character wildcard e.g. if you are looping through multiple folders to find the exact filename myfile.txt you could instead specify myfile.t?t

### Examples:

Delete every .bak file in every subfolder starting at C:\temp

```
C:\> FOR /R C:\temp\ %%G IN (*.bak) DO del %%G
```

List all the subfolders under C:\Work

```
FOR /R "C:\Work\" %%G in (.) DO (
  Pushd %%G
  Echo now in %%G
  Popd )
Echo "back home"
```

FOR is an [internal](#) command.

*“Just think how happy you would be if you lost everything you have right now, and then got it back again” - Frances Rodman*

### Related:

[FOR](#) - Loop commands

[FOR](#) - Loop through a set of files in one folder

[FOR /D](#) - Loop through several folders

[FOR /L](#) - Loop through a range of numbers

[FOR /F](#) - Loop through items in a text file

[FOR /F](#) - Loop through the output of a command

[FORFILES](#) - Batch process multiple files

[IF](#) - Conditionally perform a command

Powershell: [ForEach-Object](#) - Loop for each object in the pipeline

Equivalent bash command (Linux): [for](#) - Expand words, and execute commands

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