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attrib

Article • 09/25/2023 • 9 contributors •

Applies Windows Server 2025, Windows Server 2022, Windows Server 2019, Windows Server 2016, Windows 11, Windows 10, Azure Stack HCI, versions 23H2 and 22H2

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Displays, sets, or removes attributes assigned to files or directories. If used without parameters, **attrib** displays attributes of all files in the current directory.

Syntax



Copy

```
attrib [{+|-}r] [{+|-}a] [{+|-}s] [{+|-}h] [{+|-}o] [{+|-}i] [{+|-}x] [{+|-}p] [
```

Parameters



Expand table

Parameter	Description
<code>{+\\ -}r</code>	Sets (+) or clears (-) the Read-only file attribute.
<code>{+\\ -}a</code>	Sets (+) or clears (-) the Archive file attribute. This attribute set marks files that have changed since the last time they were backed up. The xcopy command uses archive attributes.
<code>{+\\ -}s</code>	Sets (+) or clears (-) the System file attribute. If a file uses this attribute set, you must clear the attribute before you can change any other attributes for the file.
<code>{+\\ -}h</code>	Sets (+) or clears (-) the Hidden file attribute. If a file uses this attribute set, you must clear the attribute before you can change any other attributes for the file.
<code>{+\\ -}o</code>	Sets (+) or clears (-) the Offline file attribute.

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<code>{+\\ -}i</code>	Sets (+) or clears (-) the Not Content Indexed file attribute.
<code>{+\\ -}x</code>	Sets (+) or clears (-) the Scrub file attribute.
<code>{+\\ -}p</code>	Sets (+) or clears (-) the Pinned file attribute.
<code>{+\\ -}u</code>	Sets (+) or clears (-) the Unpinned file attribute.
<code>{+\\ -}b</code>	Sets (+) or clears (-) the SMR Blob file attribute.
<code>[<drive>:][<path>] [<filename>]</code>	Specifies the location and name of the directory, file, or group of files that you want to view or change attributes. You can use the ? and * wildcard characters in the <i>filename</i> parameter to display or change the attributes for a group of files.
<code>/s</code>	Applies attrib and any command-line options to matching files in the current directory and all of its subdirectories.
<code>/d</code>	Applies attrib and any command-line options to directories.
<code>/l</code>	Applies attrib and any command-line options to the Symbolic Link, rather than the target of the Symbolic Link.
<code>/?</code>	Displays help at the command prompt.

Examples

To display the attributes of a file named News86 that is located in the current directory, type:

Copy

```
attrib news86
```

To assign the Read-only attribute to the file named report.txt, type:

Copy

```
attrib +r report.txt
```

To remove the Read-only attribute from files in the public directory and its subdirectories on a disk in drive b;, type:

Copy

```
attrib -r b:\public\*.* /s
```

To set the Archive attribute for all files on drive a;, and then clear the Archive attribute for files with the .bak extension, type:

Copy

```
attrib +a a: *.* & attrib -a a:*.bak
```

Related links

- [Command-Line Syntax Key](#)
- [xcopy command](#)

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