MKLink

Create a symbolic

Syntax

       MKLINK [

Key:

    /D   Crea

    /H   Crea

    /J   Crea

    LinkName   T

    Target   T

Symbolic links are   as normal
NTFS files or dire   umes and can
use UNC paths. Sy

A symlink can be a

Types of Link

				w to delete:
Shortcut	Yes	Yes	Yes	Yes	Del
Hard link	Yes	No	No	No	Del
Junction (soft link)	No	Yes	Y (on the same computer)	Yes	RD
Symbolic link	Yes	Yes	Yes	Yes	RD *folder* or Del *file*

Symbolic Links and Directory Junctions are implemented using reparse points.

Shortcut files have some additional features beyond just linking to another file: set run as admin flag, make an icon, invoke an executable with arguments.

Hard Links are implemented with multiple file table entries that point to the same inode – the same as Unix hard links. If the original filename is deleted, the hard link will still work - it points directly to the data on disk.

It is possible (but not advisable) to create two links that point to each other in a loop, or a link that targets itself. Symbolic links can expose security vulnerabilities in applications that aren't designed to handle them.

Unfortunately under Microsoft Windows neither hard links or symbolic links are supported by .zip files.

List existing Links and Junctions

The standard DIR command will display Symbolic Links, indicated with <SYMLINKD>
The DIR /A:S command will display Junctions, indicated with <JUNCTION>

```
DIR /A:S %userprofile%
```

Elevation

By default, only Administrators can create symbolic links. The security setting 'Create symbolic links' can be granted at:
`Configuration\Windows Settings\Security Settings\Local Policies\User Rights Assignment\`

Creating a symbolic link requires elevation, but from Windows 10 build 14972, symlinks can be created without needing to elevate the console as administrator - this does however require that you have Developer Mode enabled.

Windows Explorer - drag and drop

- Selecting a symbolic link in Windows Explorer will select the original directory.
- Selecting a junction in Windows Explorer will select the junction.
- Dragging a symbolic link to a new directory in Windows Explorer will move the symbolic link to the new directory.

- Dragging a junction to a new directory in Windows Explorer will move the original directory to the new directory.

Errorlevels

If the link was
Link could n

Examples

Create a Link for a

```
C:\> MKlin
C:\> Dir
C:\> Del s
```

Create a Link for a

```
C:\> MKlin
C:\> Dir
C:\> RD Ap
```

Re-create the "**App**
If this Directory Ju

```
CD "C:\Use
MKlink /j
```

MKLINK is an inter

"And so its my ass

Related comm

FSUTIL - Create Hard Junction Link.
FSUTIL behavior set symlinkevalution - Allow/disable symbolic links.
MOUNTVOL - Manage a volume mount point.
RD - Delete folder or Junction Point.
PowerShell: `New-Item -ItemType SymbolicLink`
Q205524 - How to create and manipulate NTFS junction points.
Hard Links and Junctions - MSDN
Junction - Create directory symbolic link (sysInternals).

(SS64)

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