

Simreeta Saha

List Directories

Windows PowerShell

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PS C:\Users\Me> ls C:\

Directory: C:\

Mode	LastWriteTime	Length	Name
d-----	07-09-2019 12:02		AMD
d-----	01-10-2019 18:54		Intel
d-r-----	10-05-2021 12:21		Program Files
d-r-----	02-02-2021 01:04		Program Files (x86)
d-----	02-10-2019 09:50		SMSetup
d-r-----	01-02-2021 17:43		Users
d-----	01-04-2021 00:24		Windows

PS C:\Users\Me>

Windows: List Directories in CLI

Windows PowerShell

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PS C:\Users\cindy> ls C:\

Directory: C:\

Mode	LastWriteTime	Length	Name
d-----	10/5/2017 3:40 PM		Intel
d-----	3/18/2017 2:03 PM		PerfLogs
d-r----	10/5/2017 3:46 PM		Program Files
d-r----	10/5/2017 3:29 PM		Program Files (x86)
d-r----	10/5/2017 3:38 PM		Users
d-----	10/5/2017 3:44 PM		Vacation Pictures
d-----	10/5/2017 3:42 PM		Windows

PS C:\Users\cindy>

Windows PowerShell

PS C:\Users\Me> Get-Help ls

NAME

Get-Childitem

SYNTAX

Get-Childitem [-Path] <string[]> [-Filter <string>] [-Include <string[]>] [-Exclude <string[]>] [-Recurse] [-Depth <int32>] [-Force] [-Name] [-UseTransaction] [-Attributes (ReadOnly | Hidden | System | Directory | Archive | Device | Normal | Temporary | SparseFile | ReparsePoint | Compressed | Offline | NotContentIndexed | Encrypted | IntegrityStream | NoScrubData)] [-Directory] [-File] [-Hidden] [-ReadOnly] [-System] [-CommonParameters]

Get-Childitem [-Filter <string>] [-LiteralPath <string[]>] [-Include <string[]>] [-Exclude <string[]>] [-Recurse] [-Depth <int32>] [-Force] [-Name] [-UseTransaction] [-Attributes (ReadOnly | Hidden | System | Directory | Archive | Device | Normal | Temporary | SparseFile | ReparsePoint | Compressed | Offline | NotContentIndexed | Encrypted | IntegrityStream | NoScrubData)] [-Directory] [-File] [-Hidden] [-ReadOnly] [-System] [-CommonParameters]

ALIASES


gci
ls
dir

REMARKS

Get-Help cannot find the Help files for this cmdlet on this computer. It is displaying only partial help.
-- To download and install Help files for the module that includes this cmdlet, use Update-Help.
-- To view the Help topic for this cmdlet online, type: "Get-Help Get-Childitem -Online" or go to https://go.microsoft.com/fwlink/?linkid=113388.

PS C:\Users\Me>

Windows: List Directories in CLI



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English

Help Us Translate

0:10 It's important to know that there are a couple of command line interfaces or CLIs available in Windows. The first one is called the Command Prompt, command.exe. The second one is PowerShell or powershell.exe. The command prompt has been around for a very long time. It's very similar to the

Windows PowerShell

```
PS C:\Users\Me> ls -Force C:\
```

Directory: C:\

Mode	LastWriteTime	Length	Name
d-----	16-01-2020 13:42		\$Recycle.Bin
d-----	07-09-2019 12:02		AMD
d-----	02-01-2018 12:05		Boot
d-----	23-05-2021 12:33		Config.Msi
d-----	01-10-2019 18:54		Intel
d-----	10-05-2021 12:21		Program Files
d-----	02-02-2021 01:04		Program Files (x86)
d-----	21-02-2021 17:37		ProgramData
d-----	02-01-2018 20:10		Recovery
d-----	02-10-2019 09:10		Setup
d-----	18-05-2021 19:10		System Volume Information
d-----	01-02-2021 17:43		Users
d-----	01-04-2021 00:24		Windows
-a-hs-	29-09-2017 19:11	397752	bootmgr
-a-hs-	29-09-2017 19:11	1	BOOTNXT
-a-hs-	02-01-2018 12:05	8192	BOOTSECT.BAK
-a-hs-	24-05-2021 09:10	3481122792	hiberfil.sys
-a-hs-	18-05-2021 16:29	268435456	swapfile.sys

PS C:\Users\Me>

Windows: List Directories in CLI

It's important to know that there are a couple of command line interfaces or CLIs available in Windows. The first one is ~~called the Command Prompt~~ command.exe. The second one is PowerShell or powershell.exe: ~~the~~ Windows command prompt has been around for a very long time. It's very similar to the

Pwd command shows the current directory

Windows PowerShell

```
PS C:\Users\Me> pwd
```

Path

C:\Users\Me

PS C:\Users\Me>

Windows: Changing Directories in the CLI

When you first open PowerShell, you'll usually be in your home directory. Your prompt shows you which directory you're currently in, but there's also a command that will tell you where you are: PWD or print-working directory tells you which directory you're currently in. If we want to change the directory that

Change Directory cd

The screenshot displays a Windows PowerShell terminal window on the left and a web browser on the right. The terminal window shows the command `Get-Help ls -full` being executed, which returns detailed help information for the `ls` command. Below this, the command `ls -force C:\` is executed, displaying a list of files and directories in the root of the C: drive. The web browser on the right shows a video player for a video titled "Windows: Changing Directories in the CLI". The video player includes a thumbnail image of a woman, a "Save Note" button, a "Download" button, and a "Share" button. The video description starts with "When you first open PowerShell, you'll usually be in your home directory. Your prompt shows you which directory you're currently in, but there's also a command that will tell you where you are: PWD or print-working directory tells you which directory you're currently in. If we want to change the directory that".

```
PS C:\Users\Me> Get-Help ls -full
+ CategoryInfo          : (ResourceUnavailable: ({} [Get-Help], HelpNotFoundException
+ FullyQualifiedFormId : HelpNotFound_Microsoft.PowerShell.Commands.GetHelpCommand

PS C:\Users\Me> ls -force C:\

Directory: C:\

Mode                LastWriteTime         Length Name
----                -
d-----          16-01-2020      13:42             $Recycle.Bin
d-----          07-09-2019      12:02             AMD
d-----          02-01-2018      12:05             Boot
d-----          23-05-2021      12:33             Config.Msi
d-----          01-10-2019      18:54             Intel
d-----          10-05-2021      22:21             Program Files
d-----          02-02-2021      01:04             Program Files (x86)
d-----          21-02-2021      17:37             ProgramData
d-----          02-01-2018      20:10             Recovery
d-----          02-10-2019      09:50             ShimSetup
d-----          18-05-2021      19:10             System Volume Information
d-----          01-02-2021      17:43             Users
d-----          01-04-2021      00:24             Windows
-a-----          29-09-2017      19:11             397752 bootmgr
-a-----          29-09-2017      19:11             1 BOOTMGR
-a-----          02-01-2018      12:05             8192 BOOTSECT.BAK
-a-----          24-05-2021      09:30             3408121792 hiberfil.sys
-a-----          18-05-2021      16:29             268435456 swapfile.sys

PS C:\Users\Me> pwd

Path
----
C:\Users\Me

PS C:\Users\Me> cd C:\Users\Me\Documents
PS C:\Users\Me\Documents>
```

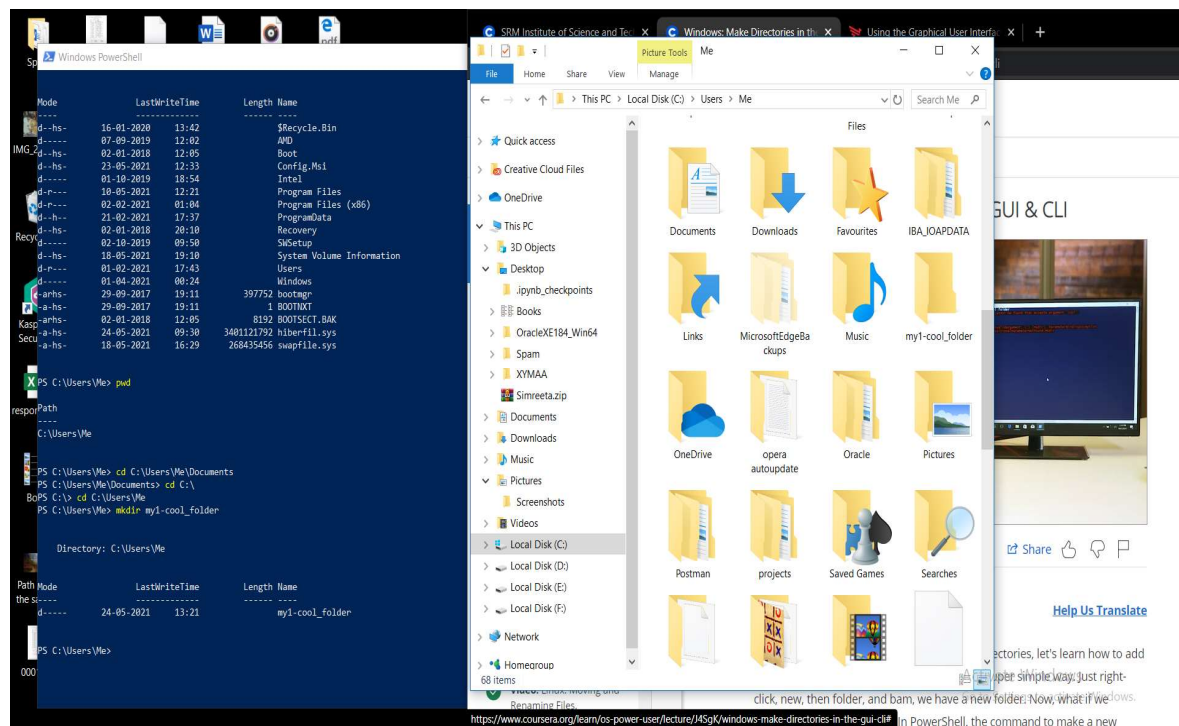
Windows: Changing Directories in the CLI

Save Note Download Share

English Help Us Translate

0:10 When you first open PowerShell, you'll usually be in your home directory. Your prompt shows you which directory you're currently in, but there's also a command that will tell you where you are: PWD or print-working directory tells you which directory you're currently in. If we want to change the directory that

Make directory



Filesystem

WINDOWS - NTFS

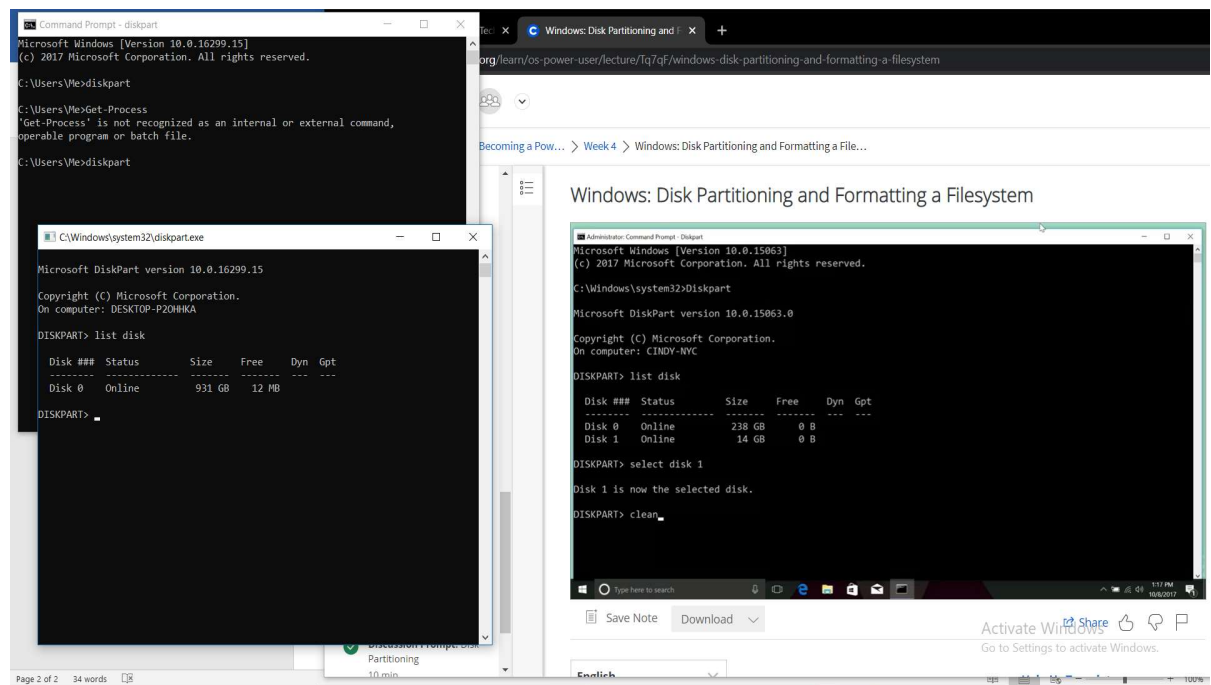
LINUX - ext4

FAT 32 works in both

MBR - Master Boot Record

GPT – GUID Partition table

Disk partitioning: can be done using DiskPart

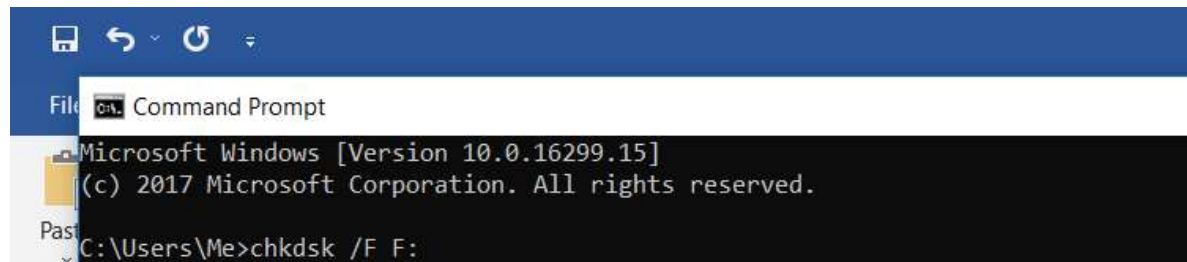


Windows uses memory manager to manage virtual memory and paging

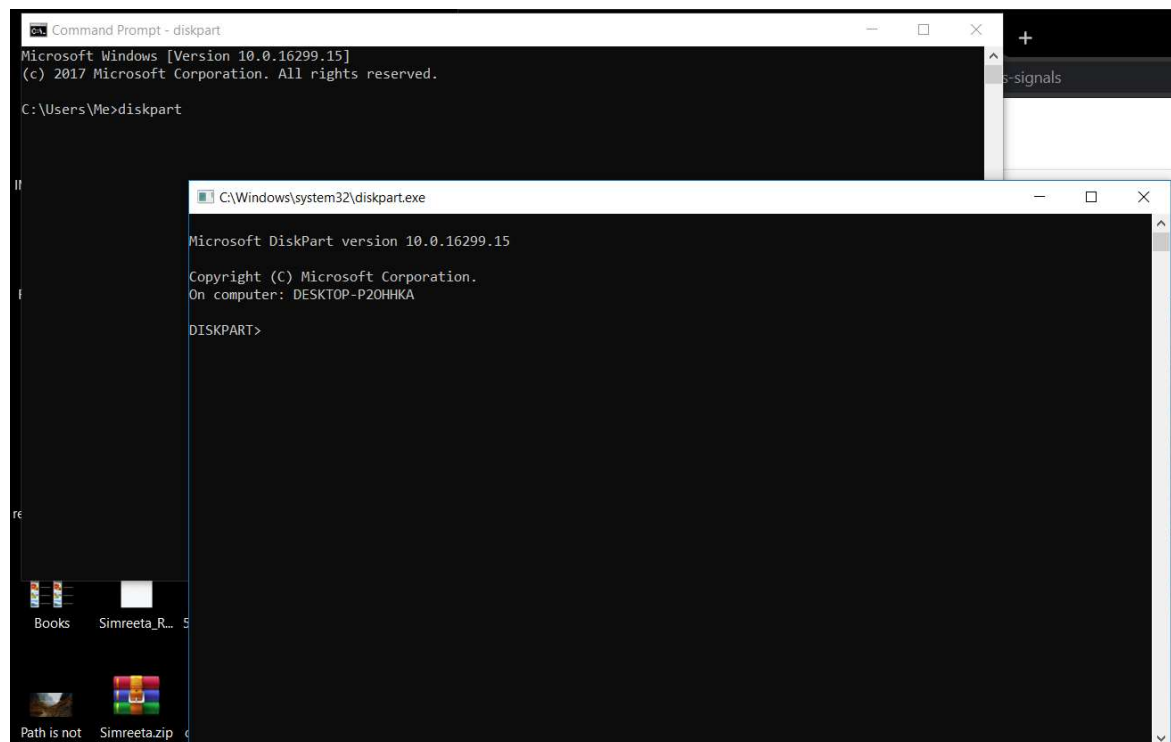
Create shortcut:



Check disk Command



Diskpart



MUI -Multi-lingual User Interface

Resource monitor

