

Windows()

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- [Windows server 2003](#)
- [\(Event Viewer\)](#)
-

| | ID |
|--------|--------|
| 6005 : | , |
| 6006 : | |
| 6008 : | |
| 6009 : | OS , , |
| 4624 : | |
| 4647 : | |
| 12 : | |
| 13 : | |

cmd

TASKLIST
()

TASKKILL

- /f : (, 가 가)
- /im : () (: taskkill /f /im csrss.exe)
- /pid : id pid() (: taskkill /f /pid 536)

<https://trustall.tistory.com/31>

tail

```
PS C:\Users> Get-Content ${ } -Wait -Tail 10  
or  
PS C:\Users> gc ${ } -Wait -Tail 10
```

[Acronis True Image\(\)](#)

[PPT !](#)

[BATCH](#)

PowerShell

[PowerShell](#)

```
PS C:\User> man or Get-Help // , alias 가  
PS C:\User> clear //  
PS C:\User> pwd or Get-Location //  
PS C:\User> explorer . //  
PS C:\User> ls or Get-ChildItem //  
PS C:\User> ls -name //  
PS C:\User> ls -force //  
PS C:\User> cd or Set-Location //  
PS C:\User> cd .
```

```

PS C:\User> cd ..
PS C:\User> cd ~
PS C:\User> cd -
PS C:\User> get-childitem -File -Filter "*.txt" -Recurse // Unix find
PS C:\User> get-command or gcm cmd.exe // Unix which
PS C:\User> new-item new_file1.txt // touch
PS C:\User> cat new_file1.txt ( )
PS C:\User> echo "hello world" > new_file1.txt (new, )
PS C:\User> echo "hello world" >> new_file1.txt (append, )
PS C:\User> mkdir dir3/subdir1/subdir2
PS C:\User> cp file1 dir1/
PS C:\User> mv file1 dir1/
PS C:\User> rm dir1/ //
PS C:\User> rm dir2/ -Recurse
// Select-String
PS C:\User> select-string *.txt -pattern "world"
PS C:\User> select-string *, */* -pattern "world"
PS C:\User> select-string *, */* -pattern "world" -CaseSensitive //

PS C:\User> $env:MY_DIR = "dir1" //
PS C:\User> ls env: //
PS C:\User> cd $env:MY_DIR //
PS C:\User> $env:MY_DIR = "" //
PS C:\User>
PS C:\User>

```

Util

[Windows Terminal](#)

Windows()

WSL Linux

WSL () WSL ()

0. WSL/가 Windows > > > "Windows " > Windows /

- "Linux Windows "
- " 가 "
-

1. Microsoft-Windows-Subsystem-Linux () ()
가 ,)

```
PS C:\User> Enable-WindowsOptionalFeature -Online -FeatureName Microsoft-
```

Windows-Subsystem-Linux

```
Path :
Online : True
RestartNeeded : False
```

WSL

```
PS C:\User> dism.exe /online /enable-feature /featurename:Microsoft-Windows-Subsystem-Linux /all /norestart
```

```
가
PS C:\User> dism.exe /online /enable-feature /featurename:VirtualMachinePlatform /all /norestart
```

2. Microsoft Store ubuntu (18.04LTS, 20.04.4 LTS)

1. () >
2. 가(username, password(2)), jurepi/ubuntu_12#\$
- //
3. \$> sudo apt update && sudo apt upgrade
- 2
- //
4. \$> sudo apt-get install build-essential gdb
5. \$> sudo apt install neofetch
- \$> neofetch
6. \$> sudo apt install mc ()
7. \$> sudo apt install docker.io
8. \$> sudo apt install python3-pip
9. \$> pip3 install django

3. Visual Studio Code

```
Remote - WSL
C/C++ Intellisense, debugind, and ....
```

4.

```
$> mkdir projects
$> cd projects
$> code .
```

WSL2

WSL1 vs WSL2(Hyper-V(가) 100% KERNEL 가)

| Feature | WSL1 | WSL2 |
|---------------------------------------|------|------|
| Integration between Windows and Linux | ☒ | ☒ |
| Fast boot times | ☒ | ☒ |
| Small resource foot print | ☒ | ☒ |
| Manage VM | X | ☒ |

| Feature | WSL1 | WSL2 |
|---|------|------|
| Full Linux Kernel | X | ☒ |
| Full system call compatibility | X | ☒ |
| Runs with current versions of VMWare and VirtualBox | ☒ | X |
| Performance across OS file systems | ☒ | X |

Windows 10 Enterprise, Pro, Education 가 , 2004, 19041 , CPU
 64bit, VM (Intel CPU VT-c) CPU (Bios), 4G

WSL ()

```
//
PS C:\User> wsl -l -v
PS C:\User> wsl --set-version Ubuntu20.04LTS 2
```

Server

- [Windows Server uptime](#)

Windows10

- [hosts](#)
- [Windows Update가 \(gpedit.msc\)](#) - [Windows 10](#)
- [10 \(BitLocker\)](#)



PC가

- [10 CPU](#)
- [] [2.8](#)
- 가 (quick launch)

Windows7

(cmd) utf-8

```
C:\> chcp 65001
Active code page: 65001
```

Tip

- 10 가(window10, SMB1, \\ . (-)
- 10
- 10
- 10
- 10 - , , Zoom

Troubleshooting

Term

WSL(Windows Subsystem for Linux)

Ref

- Windows 10 2004 . (WSL2)Windows SubSystem for Linux[OrangeStar]
 - 10 WSL 2
 - Linux Windows Visual Studio Code
- , eleven, windows, nt, ,

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