

Windows()

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

ID

```
6005 :
6006 :
6008 :
6009 : OS ,
4624 :
4647 :
12 :
13 :
```

CMD, Prompt, PowerShell

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
```

netstat (LISTENING()
CMD , , PID

```
C:\Users> netstat -ano | findstr LISTEN
TCP      0.0.0.0:135      0.0.0.0:0      LISTENING      1416
TCP      0.0.0.0:443      0.0.0.0:0      LISTENING      6984
TCP      0.0.0.0:445      0.0.0.0:0      LISTENING      4
TCP      0.0.0.0:623      0.0.0.0:0      LISTENING      8440
TCP      0.0.0.0:902      0.0.0.0:0      LISTENING      9596
TCP      0.0.0.0:912      0.0.0.0:0      LISTENING      9596
...
```

()

[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, debuggind, 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	☒
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](#)

Windows11

- [11](#)

Windows10

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

PC가

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

Windows7

(cmd) utf-8

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

- V3 ,
- KB4490628
- KB4474419
- | 7 (UpdatePack7R2) 22)

Faq

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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, , 7, findstr

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