

# Windows( )

- description :
- author :
- email : dhan@repia.com
- lastupdate : 2020-04-02

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

- [V3](#) ,
- [KB4490628](#)
- [KB4474419](#)
- | [7](#) (UpdatePack7R2) 22 )

## 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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